



USER 2022 CATALOGUE

NEW **LAB**
line for Dental Technicians





88DENT LAB

THE DENTAL TECHNICIAN RANGE

NEW DEVELOPMENTS FOR DENTAL LABS: THE BENEFITS OF FAST AND ACCURATE WORK

Drawing on its extensive experience in the dental field, 88dent offers latest-generation products and materials guaranteeing a support service for dental technicians whenever required.

The digitisation of work will also lead in an increase in the workload, whilst improving communication with your dentist and the precision of processing as a result.

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INDEX

All the prices shown in the price list are exclusive of VAT and are subject to variations, just as the products may vary from the images included and relative packaging.

INDEX

INDEX

FURNACES

INDEX

INDEX

CORPORATE





INTRODUCTION

The dental sector is undergoing a digital transformation and evolution in terms of the materials used.

This allows dental technicians to improve their work both in the creation phase and when communicating with the dentist, achieving accurate results that are increasingly closer to what the customer wants, from any economic point of view as well.

Thanks to many years of experience in the dentistry field, 88dent offers latest generation products and materials, guaranteeing a support service for all your requirements.

Evolution of the dental technician sector

DENTAL LABORATORY

Patients' expectations of dental care are increasing as the sector deals with a changing regulatory environment.

Ignoring this evolution comes at a high cost; a cost that falls entirely on the dental professional. Choosing new technology and new materials makes your work more precise and execution more cost-effective.

In both cases, the value of the service offered is measured in terms of quality, accuracy of the work, speed of execution and price. Factors strictly linked to your preparedness for implementing innovation

INNOVATION AND DIGITISATION IN THE DENTAL LABORATORY MEAN INCREASING THE VALUE OF YOUR SERVICES

In choosing a dental laboratory, preparedness for innovation is an important factor and, therefore, should be viewed as an opportunity not to be underestimated and one to be taken advantage of over time.

Even if you are just starting your career and want to embark on a digital path, or if you are already a well-established dental professional, who wants to equip their laboratory with innovative and cutting-edge systems to increase the quality and quantity of the services offered, choosing the digital path becomes a winning choice.

Digitisation allows you to increase your workload, improve communication with your dentist and thus, improve the precision of your work.

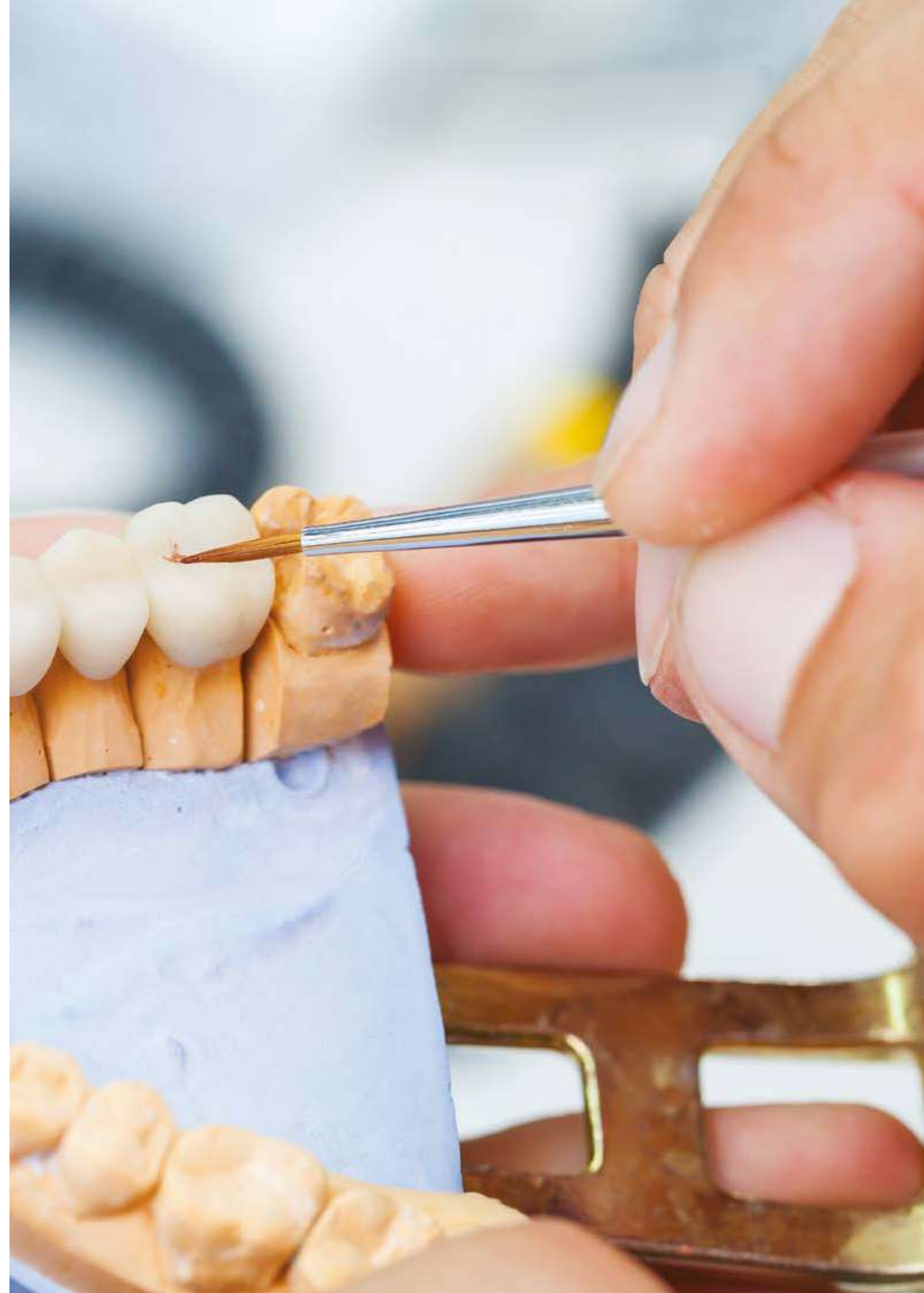


Innovation improves operating efficiency from machinery to consumables

Turning the design and modelling phases into automated functions leads to optimal results and saves a considerable amount of time.

Within the CAD/CAM process, the key role is occupied by 4 or 5-axis dental milling machines, which offer the dental laboratory the possibility to independently and quickly produce articles, with repeatable results in: **zirconia** (one of the most interesting innovations in recent years. The biological and mechanical properties of this non-metallic biocompatible material make it a valid alternative both clinically and aesthetically, especially in terms of natural appearance), **cobalt-chrome**, **PMMA**, **wax**, **polyurethane** or reinforced fibreglass resin, **nanocomposite**.

The compact design and reduced dimensions ensure extreme precision and production guarantee, even on very small quantities.





SCANNING

3D scanning is the process which allows the shape of an object's surface to be captured in three-dimensional space and viewed in 3D. This process makes it possible to obtain not only the exact measurements of the real object, but also to digitise all its parts.

The more accurate the collection of information during the scanning process, the greater the accuracy of the virtual model that can be obtained.

ATON

BENCHTOP SCANNER, IN COMPACT SIZE FOR SCANNING DENTAL IMPRESSIONS TOO

The benchtop scanner offers an outstanding performance

Thanks to its reduced dimensions and ease-of-use, the **ATON** scanner is designed to fulfil any requirement in terms of work and space available.

ATON is a high-precision scanner that is simple and intuitive to use, specifically for plaster models and dental impressions. It comes with numerous accessories for different types of work.

FOCUS



20-SECOND SCAN

You can obtain a full scan in just 20 seconds. Increasing speed leads to increases in efficiency and margins - productivity, increased work.



CUSTOM COLOUR

Add a touch of colour to your dental practice/laboratory; the **ATON** scanner can be customised with the colour of your choice.



INTUITIVE, AUTOMATIC FUNCTIONS

Thanks to the automatic functions, the user experience is guided, simple and intuitive



TRAINING AND SUPPORT INCLUDED

Using **ATON** is simple, but there is also a free training programme to eliminate any doubts on how to use it



SUPPORT WITH A BACK-UP DEVICE INCLUDED

You can contact our experts to solve any problem whenever necessary. Possibility of using a back-up device if your scanner breaks down.



PHYSICAL SCAN OF ARTICULATORS

Deep scan area which offers the opportunity to scan large articulators.



How to get the most out of your ATON scanner

The **ATON** scanner achieves highest productivity with **Cad Lynx Evolution** software. The automated functions of **Cad Lynx Evolution** software allows the user to achieve the best result with significant time saving.

The benefits of the ATON scanner

- 1 SURFACE TEXTURE**
Ease of drawing on the model or marking for the design of removable partial dentures thanks to three different light colours (blue, white and red) and the function that allows you to adjust the intensity of the light in real time
- 2 AUTOMATIC ALIGNMENT**
Automated alignment without points between dies, arches and bite impressions
- 3 IMPRESSION SCANNING**
Support for different types of impressions
- 4 INTEGRATED WORKFLOW**
compatible with **Cad Lynx Evolution** software and the main CAD programs on the market
- 5 12-ELEMENT MULTI-DIE SCAN**
Fast scan of 12 elements in 20 seconds with free positioning
- 6 IMPLANTS**
Scan-body scanning to create abutments and screw-retained crowns on implants
- 7 SCAN MODELS**
Possibility of scanning plaster, segmented and non-segmented models
- 8 PHYSICAL SCANNING OF ARTICULATORS**
Opportunity to scan large articulators directly in the scanner

Why choose the ATON scanner?



- 🦷 Speed
- 🦷 Precision
- 🦷 Self-adjusting brightness
- 🦷 Latest-generation capture software
- 🦷 Texture readings
- 🦷 Articulator
- 🦷 Triple tray impression reading
- 🦷 Training

ATON

BENCHTOP SCANNER, IN COMPACT SIZE FOR SCANNING DENTAL IMPRESSIONS TOO



ATON products



ATON SCANNER*

code 88S-ATON

EURO 7,600.00



IMPRESSION TRAY HOLDER

code 88S-PIATTELLO IMPRONTE

EURO 180.00



PC FOR ATON SCANNER

code 88S-PCATON

EURO 1,500.00



CLOTH COVER FOR ATON SCANNER

code 88S-CLOTHCOVER

EURO 30.00



ATON CALIBRATION PLATE

code 88S-ATON-PIATTELLO

EURO 400.00



SCAN SPRAY WHITE 75 ML

code 88S-1820

EURO 15.90

ATON scanner customisation

RAL COLOUR CUSTOMISATION

code 88S-SB COLOR



EURO 200.00

Single colour choosing a classic RAL colour (takes approx. 5 working days)

CUSTOMISED GRAPHICS

on request

Contact the company to get a quote and delivery times which may vary depending on the request

* ACCESSORIES INCLUDED

- Cloth cover for scanner 1
- Calibration plate 1
- USB 3.0 cable 2
- Power cable 1
- Dongle 1
- Spacer 1
- Screw-retained plate (model holder) 1
- All-in-one plate 1
- Multi-die plate 1



Image above: ATON scanner with CUSTOMISED GRAPHICS

ATON

BENCHTOP SCANNER, IN COMPACT SIZE FOR SCANNING DENTAL IMPRESSIONS TOO

Technical specifications

Cameras
2x1.3 Mp

Accuracy/Precision
10 um

Output files
STL / PLY / UM / OBJ



Dimensions (DxLxH)
30x24x38 cm

Weight
12 kg

Axes
2

Interface
USB 3.0

Technology
Blue light, white light, red light

Full arch scanning time
20 seconds

- ✔ Automatic alignment
- ✔ Automatic calibration
- ✔ Texture scanning
- ✔ Adaptive colour and brightness
- ✔ Compatible with 3D mouse
- ✔ Model scanning
- ✔ Die scanning
- ✔ Multi-die scanning
- ✔ Scanning of die on model
- ✔ Scanning on implants
- ✔ Single/triple tray scanning
- ✔ Scanning with articulator
- ✔ Bite impression scanning



To ensure that the **ATON** scanner operates correctly, the following minimum requirements must be met both for the computer and the power supply:

MINIMUM SYSTEM REQUIREMENTS FOR COMPUTER

CPU	i7-7700k (3.6 GHz; quad-core; 8-thread) or higher
RAM	8 GB or more
Hard Disk	SSD 240 GB or more
Graphics card	GTX 730 Memory 2 GB or more
Operating system	Windows10* 64 bit
Connections	1HDMI, 1 DVI-D, 4 USB 3.0, Ethernet 10/100/1000 Mbps, Wi-Fi 802.11n
Monitor	24" full Hd

EXTERNAL POWER SUPPLY REQUIREMENTS

Rated voltage	AC 100-240 V
Rated current	2 A
Rated frequency	50-60 Hz

Image above: close-up of ATON scanner scan

iATON

A SOPHISTICATED, HIGH-PRECISION SCANNING SYSTEM

Improves communication with your dentist

iATON allows you to take digital impressions quickly, accurately and smoothly, generating 3D models of the patient's oral cavity, providing all the necessary information, in high definition, and improve communication between the dentist and dental technician.

The supply includes 5 tips: 3 identical ones plus another 2 which differ in length and mirror angle, identifiable by the letters "D" and "M" engraved on them. Tip D: to be used to rescan critical points in the distal part of the arches; Tip M: to be used to rescan the critical points in the mesial part of the arches.

FOCUS

iATON has been designed for various types of scanning.



SIMPLE SCAN OF UPPER AND LOWER ARCHES

Usually used for orthodontic designs. The software allows you to compare another scan of the patient acquired during the treatment.



PROSTHETIC SCAN

The software includes an additional scan of provisional anatomies to use as a wax-up



IMPLANT-RELATED SCAN

The software includes an additional scan for the scan-body required to reposition the implant in the CAD program



iATON: scanning at your fingertips

The sturdy, compact carry case means **iATON** is easy to transport and suitable for new mobile working situations. The benefits of **iATON** are immediately perceived: it is easy to handle and use making it indispensable in the digital workflow, providing efficiency and precision.

Thanks to the compact, lightweight handpiece, featuring interchangeable tips and different angles, you can easily obtain an accurate scan of your patient's oral cavity in a matter of minutes and with minimal movements.

The image is reproduced on the monitor to generate a cutting-edge virtual experience which involves the patient as well. The development of a 3D model gives you a complete view of the oral cavity, thanks also to the possibility of taking shots of specific intraoperative elements in jpg format. You can, therefore, create a history of the patients' scans and dental arches, thus offering an added service for the benefit of both.

iATON: the hi-tech solution for your patients

iATON is an amazing solution for your patients:

- 1 It avoids complex and invasive interventions
- 2 It ensures benefit and relaxation
- 3 It conveys a professional approach and innovation

Thanks to its small, compact size, it provides your patients with a sense of comfort that no other system can currently provide. Patient will undoubtedly be more relaxed than they were in the past. **iATON** does not require the use of powders for scanning and, thanks to the open scanning system, interfaces with all commonly available software programs, producing STL, OBJ and PLY files. Costs and usage time are drastically reduced while the performance value increases!

Why choose iATON?



- 🦷 Greater comfort for the patient
- 🦷 Speed
- 🦷 No need for scanning powder, impression trays, chewing pastes and waxes
- 🦷 High precision, accuracy (scan distortion of just 30-50 Microns)
- 🦷 Easy-to-operate
- 🦷 Convenient to transport
- 🦷 Interchangeable and autoclavable tips for total protection against infection
- 🦷 High-definition colour scanning
- 🦷 Open scanning system that interfaces with all commercially available software and produces STL, PTY, PLY files
- 🦷 No royalties to pay
- 🦷 Model and impression scanning
- 🦷 Foot pedal included for optional use
- 🦷 Easy-to-use, intuitive software
- 🦷 Blue light
- 🦷 Plug and play - direct connection to PC (configured with USB 3.0 port)

iATON

A sophisticated, high-precision scanning system

iATON products



iATON INTRAORAL SCANNER* + **LAPTOP FOR INTRAORAL SCANNER**

code 88S-IATON2 code 88S-LPIOS

EURO 15,000.00



8-HOUR COURSE TRAINING AND INSTALLATION

code 88S-CORSOFORMIOS

EURO 750.00

* CASE CONTENTS

- Calibrator 1
- Current adaptor 1
- Tip Head 5
- Dongle 1
- Power cable 1
- User manual 1



Technical specifications



- 5 different TIPS**
Autoclavable
- Tip MEASUREMENTS (DxLxH)**
83.4x19.6x14.6 mm
- Dimensions (DxLxH)**
216x40x36 mm
- Weight**
246 g
- Output files**
STL, PLY, PTY
- Scanning depth**
15 mm
- Interface**
USB 3.0
- Scanning technology**
Video
- Scanning time for both arches**
< 5min
- Field of vision**
17x15 mm

To ensure that the **iATON** scanner software operates correctly, the following minimum requirements must be met both for the computer and the power supply:

MINIMUM SYSTEM REQUIREMENTS FOR COMPUTER

CPU	i7-7700k (3.6 GHz; quad-core; 8-thread) or higher
RAM	DDR4 2400 16 GB or greater
Hard Disk	SSD 240 GB or more
Graphics card	GTX 1060 Memory 6 GB or more
Operating system	Windows 7* 64 bit, Windows10* 64 bit
Graphics driver version	NVIDIA* Driver version 436.15 - WHQL or higher

EXTERNAL POWER SUPPLY REQUIREMENTS

Rated voltage	AC 100-240 V
Rated current	1.5 A
Rated frequency	50-60 Hz



MODELLING

Dental modelling reaches previously unimaginable levels of perfection thanks to the *smile Lynx* smile design software and *Cad Lynx Evolution* software, which simplify the design of complete anatomies and reduced structures, copings, bridges, arches, inlays, onlays, veneers, custom implants, bars and much more.

THE SOFTWARE TO PRESENT PATIENTS THE SMILE OF THEIR DREAMS

The dream smile comes true

smile Lynx, the digital design software allows dental technicians and dentists to design their patients' dream smile. In just 10 minutes, it is possible to show patients amazing "before" and "after" pictures, during their first appointment.

smile Lynx is also a useful tool for improving communication between the laboratory and dental practice

smile Lynx allows you to offer your customers an additional service: after sending you two photos of the patient, the dentist will receive the project you have created, to show to the patient to accept the dentist's recommendations. Being able to display the final result, right from the first appointment, helps the dentist's patients to experience the path to restoring their smile with greater confidence and willingness. All this tangibly helps the dentist and promotes a sense of loyalty to the dental laboratory.

FOCUS



INSTANT RESULTS

The patient can see the final result from the very first appointment, thus avoiding the typical concerns of an analogue project



EASY-TO-USE

Thanks to a guided workflow and intuitive controls



RAPID WORKFLOW

Rapid communication between the dental studio and laboratory by importing the file into your CAD program



smile Lynx and Cad Lynx Evolution for a project in 3 simple steps

- 1 Acquire the dental impression and provide two photos of the patient following a guided protocol.
- 2 Upload the photos into the **smile Lynx** software and create the project via an intuitive and "step-by-step" guided procedure. After showing the final result to the patient, it is possible to save a report in pdf format to share with the patient and the laboratory.
- 3 To complete the project more comprehensively, **Cad Lynx Evolution** allows you to import the two-dimensional design as well. The patient's data, photos and library used are already in **Cad Lynx Evolution**. It is, therefore, possible to create the three-dimensional model to then, export the STL file and print a model to try directly on the patient.

WHY CHOOSE *smile Lynx*?

- 🦷 Simple to use thanks to a guided workflow and intuitive controls
- 🦷 Permanent license and rental program compatible with Windows and MacOS
- 🦷 Constant updates to improve the software and ensure it is aligned with new releases
- 🦷 Better patient-dentist-laboratory communication
- 🦷 Fast and accurate data transmission between the dental studio and laboratory





THE SOFTWARE TO PRESENT PATIENTS THE SMILE OF THEIR DREAMS

Purchase options



LIFE TIME LICENSE

code 88S-SLYNX

EURO 1,170.00

- ✓ Calibration tool
- ✓ All updates for the first year

SOFTWARE SPECIFICATIONS

Compatibility with Windows and Mac; CPU Core 2 Duo 1.6 GHz; 2 GB memory; 1GB storage; Minimum operating system Windows 7+ and MacOS



Accessories

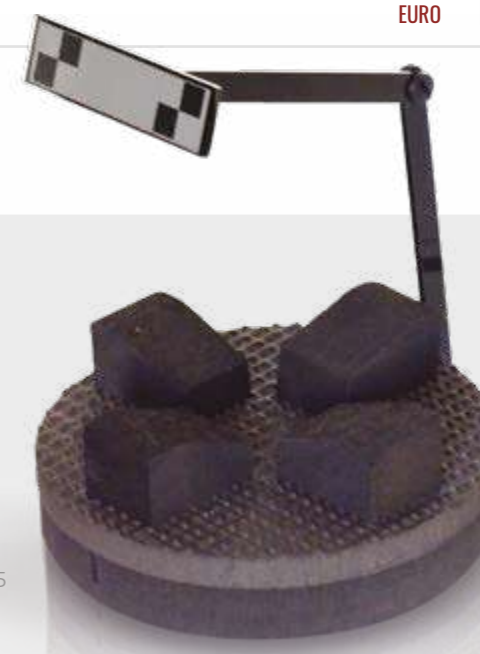
smile Lynx UPDATE Code 88S-AGSMILE	EURO/YEAR	97.00
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CALIBRATION TOOL Code 88S-CUSCI	EURO	97.00
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ONLINE COURSE - Duration 90 Minutes  Code 88S-COR90MSMI	EURO	150.00
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1 CONNECTION for on-line support Code 88S-SUPLYNX	EURO	30.00
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5 CONNECTIONS for on-line support Code 88S-5SUPLYNX	EURO	125.00
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Shown here - Calibration tool - page 35

THE SOLUTION FOR DENTAL DESIGN AND MODELLING

Revolutionise the way you work with *Cad Lynx Evolution*

Working digitally with the 3D **Cad Lynx Evolution** dental software allows you to create and model any type of prosthesis through a simple and guided step-by-step process.

FOCUS



ALL IN ONE SOFTWARE

Thanks to this unique feature, with **Cad Lynx Evolution** you don't have to worry about purchasing additional modules since they are already in the single license



FLEXIBLE APPROACH

Cad Lynx Evolution is a software program written with a modern language which enables the production path to be modified without having to activate different restorations. **Cad Lynx Evolution** means unprecedented working freedom



WORK WHEREVER YOU ARE

Thanks to a licensing Cloud, you can access and work wherever you are, without the need for a dongle.



MULTI-DEVICE PLATFORM

Cad Lynx Evolution will allow you to work on all Mac, Windows and mobile IOS platforms



RENTAL OPTION

Possibility of monthly rental (with annual commitment) covering the whole platform and remaining up-to-date at no additional cost



CLOUD PLATFORM

A secure and safe system that connects all the members of the dental team, sharing common projects



CERTIFIED PLATFORM

The entire planning of our products is MDR- and FDA-certified.



Make the most of the complete workflow from 2D to 3D, from the photo to CAD CAM software

After receiving the 2D file (intraoral or benchtop scanner) from the dentist, it is possible to rapidly save the file project and import it into the **3D cad Lynx** software.

Thanks to **Cad Lynx Evolution**, you will have a complete, open CAD image, which seamlessly integrates with the files from the dental studio (through smile design and/or intraoral scan). It can interface with the most commonly-used CAM software programs on the market, allowing you to print or mill any type of project created.



WEAPON IN MORE FOR YOUR LABORATORY

Why choose *cad Lynx Evolution*?



- 🦷 Simplifies your work
- 🦷 Innovative, precise and flexible Cad program suitable for both expert users and beginners.
- 🦷 Rental option
- 🦷 Open system that allows you to receive and produce files in STL format that you can share with other open systems
- 🦷 Possibility to import DICOM, STL, OBJ, PLY files
- 🦷 Interconnection with implant surgical platform

THE SOLUTION FOR DENTAL DESIGN AND MODELLING



Cad Lynx Evolution SOFTWARE

For dental technicians: prostheses modelling, one model with all the functions

PURCHASE:
code 88S-00078 EURO **4,900⁰⁰**

RENT:
code 88S-00065-AB EURO **190⁰⁰**

LICENSE UPGRADE:
code 88S-00079 EURO **1,100⁰⁰**



RealGUIDE START

Dental technician/dentist communication platform, dicom, stl and pdf file viewer, free storage of up to 5 cases



RealGUIDE APP

For dentists: Implant design and case management on the go



RealGUIDE PRO

For dentists: Implant planning software



RealGUIDE DESIGN

For dentists/dental technicians: Surgical guide design software



RealGUIDE CAD+

For dental technicians/dentists: Implant planning software+guide design+prosthesis modelling.

PURCHASE

Updates and unlimited export of STL files within 1 year of activating the license.

EURO **0⁰⁰**

EURO **2,900⁰⁰**
code 88S-00050-AC

EURO **4,900⁰⁰**
code 88S-00051-AC

EURO **6,900⁰⁰**
code 88S-00080-AC

RENTAL

Monthly payment including updates and unlimited export of STL files within 1 year of activating the license. 12-month contract

EURO **0⁰⁰**

EURO **9⁰⁰**
code 88S-00060

EURO **90⁰⁰**
code 88S-00077-AB

EURO **190⁰⁰**
code 88S-00082-AB

EURO **290⁰⁰**
code 88S-00066-AB

LICENSE UPGRADES

for purchased licenses ONLY

EURO **0⁰⁰**



EURO **600⁰⁰**
code 88S-00061

EURO **1,200⁰⁰**
code 88S-00062

EURO **1,900⁰⁰**
code 88S-00081

THE SOLUTION FOR DENTAL DESIGN AND MODELLING

Courses and support

BASIC ONLINE COURSE - Duration 4 hours Cod. 88S-CADLYNXEVO-CORSO-ONLINE-BA	EURO 100.00
ADVANCED ONLINE COURSE - Duration 6 hours Cod. 88S-CADLYNXEVO-CORSO-ONLINE-AV	EURO 150.00
BASIC COLLECTIVE COURSE - Duration 1 day  Code 88S-CADLYNXEVO-CORSO	EURO 200.00
ADVANCED COLLECTIVE COURSES - Duration 1 day  Code 88S-CADLYNXEVO-CORSO-AV	EURO 300.00
ACADEMY FOR CLINIC/TECHNICIAN - Duration 4 days  Code 88S-CADLYNXEVO-ACADEMY	EURO 1,000.00
REMOTE TRAINING INSTALLATION - Duration 4 hours Code 88S-CADLYNXEVO-INSTALLAZIONE-R	EURO 350.00
REMOTE TRAINING INSTALLATION - Duration 8 hours Code 88S-CADLYNXEVO-INSTALLAZIONE-S	EURO 750.00



Minimum computer system requirements

MINIMUM REQUIREMENTS - PC

CPU	Intel I5 or I7 (for laptop), Quad Core recommended (for Workstation)
RAM	Minimum 4 GB. 8 GB recommended for large data sets
HARD DISK	300 – 500 GB
GRAPHICS CARD	We recommend vRAM or 3GB or greater. For higher performance, Nvidia GTX or QUADRO
SCREEN RESOLUTION	1920x1080 for optimal viewing
OS	Windows 7 (64 bit), Windows 10. For professional use, we recommend the Dell XPS 15 (9560) range of notebooks

MINIMUM REQUIREMENTS - MAC

OS	OS X (Mojave or higher)
VERSION	MacBook Pro 15"; iMac

MINIMUM REQUIREMENTS - IOS

VERSION	iPad Pro, iPhone 7 Plus, 8, X
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A stable internet connection is required for the correction operation of the CLOUD platform.
(DSL for cable connection, 4G for the mobile network).

CAD CAM AREA

88DENT CAD/CAM PROCESSING

The 88dent service means improving your productivity, cutting operating costs and ensuring work is always delivered on time

With the **88dent** service, the amount of time dedicated to modelling and casting is reduced, by sending a scan to **88dent** technicians, the article will be returned to you in the metal or material you have chosen.

88dent also offers solutions such as: creation of wax for casting, plastic for functional and modelling tests, as well as temporary crowns or bridges. As well as bridges, abutments, screw-retained bridges, toronto bridges and bars in the following materials: milled Co/Cr, milled titanium, milled white or extra translucent zirconium for pre-shaded or infiltrated monolithic restorations or selective shading.

FREE REGISTRATION IN THE CAD CAM AREA

TO ENTER PROJECTS

8853 Spa offers all dental laboratories the possibility of sending a scan/or modelling, carried out with one of the many scanners and software programs on the market, provided that they generate an STL file. They will then quickly receive, at competitive prices, single copings, bridges, abutments, bars and toronto bridges in latest-generation materials.



ACCESS THE 88DENT DIGITAL area and choose the most suitable solution for creating your work from the ones available

How it works

The laboratory can send us anydigital project, provided that it is created with a scanner that can generate STL files. It will then quickly receive the following at competitive prices: prototypes, single copings, bridges, abutments, removable partial dentures and toronto bridges in cutting-edge materials, including cobalt-chromium, titanium and zirconia (SHT pre-shaded, progressive Multilayer 3D Pro, white SHT to be ceramicised, white SHT to be infiltrated and milled only if you want to manage infiltration and sintering in-house for maximum customisation).

The major advantage for laboratories that decide to use this service is the possibility **of having several production centres available on a single platform** and, therefore, being able to freely choose the solution that best fits their needs.

Delivery times of the LASER MELTING CO-CR SERVICE

The structures will be delivered within two working days after receiving the file.

REGULAR SERVICE	SPEEDY SERVICE*
<p>The file is deemed to have been received on the day it is sent if it is uploaded to the site by 4 pm; if it is uploaded after 4 pm, it will be deemed to have been received the following day.</p> <p>For <i>cobalt-chrome</i> alloys in small sizes, structures received by 9 am on each working day will be sent on the same day.</p>	<p>Cr-Co alloy structures received by 9 am on each working day with the "speedy service" supplement will be sent on the same day.</p> <p>For structures made of titanium in laser melting, delivery times are three working days.</p>

We guarantee

- 🦷 HIGH PRECISION OF THE ITEM PRODUCED
- 🦷 COMPACT STRUCTURES
- 🦷 NO POROSITY AND DEFECT-FREE
- 🦷 FAST, FLEXIBLE AND EFFICIENT SERVICE
- 🦷 POSSIBILITY OF RECEIVING UNFINISHED ELEMENTS WITH SUPPORTS FOR MAXIMUM SAVINGS
- 🦷 POSSIBILITY OF RECEIVING FINISHED/SANDED ELEMENTS WITHOUT SUPPORTS FOR OPTIMUM SERVICE

How to send the file

Upload to the website **www.88dent.com** - just register in the reserved area

CAD CAM AREA


88DENT CAD/CAM PROCESSING

LASER MELTING COBALT-CHROMIUM TECHNIQUE

The metal **LASER MELTING** technique guarantees the production of compact, almost completely porous-free articles. This is done by completely melting the cobalt-chromium metal-based powder.

This type of processing is excellent for bridges with up to 14 elements. This type of production allows you to optimise production costs and supply to the laboratory.



Products supplied unfinished lead to a significant price reduction.

ALLOY	MAXIMUM BRIDGE EXTENSION	PRODUCT CODE	PRICE / EACH
Co-Cr alloy for L2 ceramic <i>*WITHOUT SUPPORTS</i>	14	88E.CCSLMR	EURO 7 ²⁰
 Co-Cr alloy for L2 ceramic <i>*WITHOUT SUPPORTS - SPEEDY service</i>	14	88E.CCSLMRF	EURO 8 ⁸⁰
Co-Cr alloy for L2 ceramic EOS Certified <i>*FINISHED WITH SUPPORTS</i>	14	88E.CLMCG	EURO 10 ²⁵
Co-Cr alloy for L2 ceramic EOS Certified <i>*POLISHED - SANDED SURFACE</i>	14	88E.CLMSG	EURO 7 ⁸⁵
SLM Co-Cr lower removable partial denture <i>*WITHOUT SUPPORTS</i>	--	88E.SCHEL-INF-NS	EURO 68 ²⁵
SLM Co-Cr upper removable partial denture <i>*WITHOUT SUPPORTS</i>	--	88E.SCHEL-SUP-NS	EURO 73 ⁵⁰
Toronto elements w/o supports with pin for maxillary denture	up to 15 elements	88E.TOR-SUP-DEN	EURO 9 ⁴⁵
Toronto elements to be ceramicised without supports	up to 15 elements	88E.TOR-CER-NS	EURO 11 ⁵⁵
Primary bar Co-Cr <i>WITHOUT ELEMENT SUPPORTS (-)</i>		88E.BAR-PRI	EURO 78 ⁷⁵
Secondary bar Co-Cr <i>WITHOUT ELEMENT SUPPORTS (-)</i>		88E.BAR-SEC	EURO 89 ²⁵



ALLOY	PRODUCT CODE	PRICE / EACH
CoCr Dental Ferula <i>*WITHOUT SUPPORT</i>	88E.F2	EURO 4 ²⁰
CoCr Dental Ferula - Elements 1 - 16 <i>*REFINISHED</i>	88E.F2F	EURO 8 ³⁰
CoCr Dental Ferula - Speedy Service - Elements 1 - 16 <i>*REFINISHED</i>	88E.F2FAST	EURO 5 ⁹⁰
Cr-co laser melting L2 3DFast DENTAL BAR IN CR/CO <i>x T-BASE - Elements: bonding 1 - 1 BR</i>	88E.BA-CORBIN	EURO 82 ⁵⁰
CRCO-SLM-SINTMILL® DENTAL BAR CR/CO <i>n.elements 2 - 2</i>	88E.BA-CORB02	EURO 110 ⁰⁰
CRCO-SLM-SINTMILL® DENTAL BAR CR/CO <i>n.elementi 3 - 3</i>	88E.BA-CORB03	EURO 154 ⁰⁰
CRCO-SLM-SINTMILL® DENTAL BAR CR/CO <i>n.elementi 4 - 4</i>	88E.BA-CORB04	EURO 198 ⁰⁰
CRCO-SLM-SINTMILL® DENTAL BAR RESTORE 5 CR/CO <i>implants n.elements 5 - 5</i>	88E.BA-CORB05	EURO 220 ⁰⁰
CRCO-SLM-SINTMILL® DENTAL BAR RESTORE 6 CR/CO <i>implants n.elements 6 - 6</i>	88E.BA-CORB06	EURO 269 ⁵⁰
CRCO-SLM-SINTMILL® DENTAL BAR RESTORE 7 CR/CO <i>implants n.elements 7 - 7</i>	88E.BA-CORB07	EURO 297 ⁰⁰
CRCO-SLM-SINTMILL® DENTAL BAR RESTORE 8 CR/CO <i>implants n.elements 8 - 8</i>	88E.BA-CORB08	EURO 324 ⁵⁰
CRCO-SLM-SINTMILL® ABUTMENT CUSTOMISED CR/CO <i>n.of elements 1 - 1 AB</i>	88E.AB-CORAB01	EURO 33 ⁰⁰

TITANIUM LASER MELTING TECHNIQUE

ALLOY	PRODUCT CODE	PRICE / EACH
 Finished element	88E.TI-SLMF	EURO 17 ⁵⁰
 Blank element	88E.TI-SLMG	EURO 13 ⁵⁰
Ti64 tooth structure for t-base bonding 1 - 1 BR	88E.BA-TORBIN	EURO 82 ⁵⁰

CAD CAM AREA

88DENT CAD/CAM PROCESSING

Casting PRECIOUS ALLOYS Valcambi DENTAL



YOU WILL SAVE TIME, YOU WON'T WASTE MATERIAL AND YOU'LL RECEIVE A STRUCTURE IN PRECIOUS ALLOY AS IF YOU'D CAST IT YOURSELF!

You will only pay for the weight of the finished structure without having to manage stock and casting residue.

Add precious alloys to your digital workflow as well; you will have an extra product to offer your customers that is reliable, top-quality and durable.

All the alloys are made by producing a castable structure that will be cast with high-tech machines and refined, high-purity materials.

ALLOY	MAXIMUM BRIDGE EXTENSION	CHEMICAL COMPOSITION	COLOUR	PRODUCT CODE	PRICE / ELEMENT
V16N - Ceramic ALLOY	14	Au 86%, Pt 11%	YELLOW	88E.V16N	EURO 25.00 + COST OF ALLOY USED
V1 - Ceramic ALLOY	14	Au 50.5% Pt 1% Pd 38.8%	WHITE	88E.V1	EURO 25.00 + COST OF ALLOY USED
VE - Ceramic ALLOY	14	Au 15% Pd 52% Ag 21.6%	WHITE	88E.VE	EURO 25.00 + COST OF ALLOY USED
V13 - Ceramic ALLOY	14	Au 0.2% Pd 60% Ag 27.6%	WHITE	88E.V13	EURO 25.00 + COST OF ALLOY USED
V10 - UNIVERSAL alloy	14	Au 72% Pt 9% Pd 0% Ag 9.2%	YELLOW	88E.V10	EURO 25.00 + COST OF ALLOY USED
V39 - UNIVERSAL alloy	14	Pd 39% Ag 54.8%	WHITE	88E.V39	EURO 25.00 + COST OF ALLOY USED
V30 - Alloy for RESIN	14	Au 46% Pd 6% Ag 39.5%	YELLOW	88E.V30	EURO 25.00 + COST OF ALLOY USED



CAD CAM AREA

88DENT CAD/CAM PROCESSING



TECHNOPOLYMERS

The **technopolymers**, used in the dental field, feature thermoplastic prosthetic materials with high biocompatibility, so they are corrosion resistant, the colour does not alter over time and they do not absorb liquids.

Thanks to their flexibility and lightness, they can be fully integrated with the prosthesis in the oral cavity.

PRODUCT AND COLOURING	PRODUCT CODE	PRICE / EACH
PMMA - Col. A1	88E.PMA1	EURO 15 ⁰⁰
PMMA - Col. A2	88E.PMA2	EURO 15 ⁰⁰
PMMA - Col. A3	88E.PMA3	EURO 15 ⁰⁰
PMMA - Col. A3,5	88E.PMA3,5	EURO 15 ⁰⁰
PMMA - Col. A4	88E.PMA4	EURO 15 ⁰⁰
PMMA - Col. B1	88E.PMB1	EURO 15 ⁰⁰
PMMA - Col. B2	88E.PMB2	EURO 15 ⁰⁰
PMMA - Col. B3	88E.PMB3	EURO 15 ⁰⁰
PMMA - Col. B4	88E.PMB4	EURO 15 ⁰⁰
PMMA - Col. C1	88E.PMC1	EURO 15 ⁰⁰
PMMA - Col. C2	88E.PMC2	EURO 15 ⁰⁰
PMMA - Col. C3	88E.PMC3	EURO 15 ⁰⁰
PMMA - Col. C4	88E.PMC4	EURO 15 ⁰⁰
PMMA - Col. D2	88E.PMD2	EURO 15 ⁰⁰
PMMA - Col. D3	88E.PMD3	EURO 15 ⁰⁰
PMMA - Col. D4	88E.PMD4	EURO 15 ⁰⁰
WAX	88E.CER	EURO 15 ⁰⁰

All prices are exclusive of VAT

3D PRO

3DPro Zirconia is a real revolution in the field of crowns, bridges and large monolithic restorations. Its aesthetic result far exceeds expectations, helping dental technicians to finalise their work with simple and effective protocols, without having to resort to complex infiltration techniques and surface characterisation.

3DPro, revolutionary Multicolour stratified zirconia with decreasing chroma saturation, featuring excellent aesthetic gradient.

Thanks to the 3DPro colour guide which you can give to the dentist, made with the same zirconia that you will be milling, you can guarantee the colour match of your article ensuring the patient is happy with the final look. *You can consistently and simply achieve this result thanks to the 3Dpro protocol.*



3DPro consists of an ultra-fine particle size with a state-of-the-art production process with isostatic pressing, controlled pre-sintering and with reserved technologies and protocols.

3DPro has a high resistance to flexion and fracture loads (1050>750) ensuring all types of machining.

ZIRCONIA COLOURING	MAXIMUM BRIDGE EXTENSION	PRODUCT CODE	PRICE / EACH
3Dpro Zirconia Col. A1	15	88E.ZR3DA1	EURO 29 ⁹⁰
3DPro Zirconia Col. A2	15	88E.ZR3DA2	EURO 29 ⁹⁰
3DPro Zirconia Col. A3	15	88E.ZR3DA3	EURO 29 ⁹⁰
3DPro Zirconia Col. A3,5	15	88E.ZR3DA35	EURO 29 ⁹⁰
3DPro Zirconia Col. A4	15	88E.ZR3DA4	EURO 29 ⁹⁰
3DPro Zirconia Col. B2	15	88E.ZR3DB2	EURO 29 ⁹⁰
3DPro Zirconia Col. C2	15	88E.ZR3DB3	EURO 29 ⁹⁰
3DPro Zirconia Col. C3	15	88E.ZR3DC2	EURO 29 ⁹⁰
3DPro Zirconia Col. D2	15	88E.ZR3DD2	EURO 29 ⁹⁰
3DPro Zirconia Col. D3	15	88E.ZR3DD3	EURO 29 ⁹⁰
SHT Zirconia - WHITE to be ceramicised	15	88E.ZR3D-SHT	EURO 21 ⁷⁰

CAD CAM AREA

88DENT CAD/CAM PROCESSING

COLOURING PRE-COLOURED SHT ZIRCONIA VITA COLOURING	MAXIMUM BRIDGE EXTENSION	PRODUCT CODE	PRICE / EACH
NEW PC SHT Zirconia - Col. A1	15	88E.ZRPA1	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. A2	15	88E.ZRPA2	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. A3	15	88E.ZRPA3	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. A3,5	15	88E.ZRPA35	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. B2	15	88E.ZRPB2	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. C2	15	88E.ZRPC2	EURO 25 ⁰⁰
NEW PC SHT Zirconia - Col. D2	15	88E.ZRPD2	EURO 25 ⁰⁰

On request ONLY:

**SHT Zirconia - WHITE - (Maximum bridge extension: 15)
to be infiltrated, milling only, no sintering**

If you want to manage infiltration and sintering in-house for the highest possible customisation

EURO 15⁷⁰



Technopolymer milling

TECHNOPOLYMERS ALLOW YOU TO CREATE TOTALLY METAL-FREE, HI-TECH, CUSTOMISED ORTHODONTIC DEVICES.

PEEK (Polyether ether ketone) is an organic thermoplastic polymer.

It can be used as a dental prosthetic solution for patients who are allergic to metals and may be less traumatic for the remaining natural teeth.

Another example is a new technopolymer consisting of thermosetting resin and a multi-directional glass fibre reinforcement. **FRC COMPOSITES (Fibre-Reinforced Composites)** are materials used in aeronautics and in many other fields where high strength and light weight are essential requirements.

Completely Biocompatible, **CARBON FIBRE**, allows even instantly passive extensive work to be carried out, done directly on the T-base with no contraction and surprisingly easy to use, weighing just a few grams.

CARBON FIBRE drastically reduces the stress transmitted to the implants when chewing by cushioning and evenly distributing the force generated.

	FIBRE	PEEK	CARBON
no. 1 ELEMENT/BRIDGE	EURO 25 ⁰⁰ Code 88E.F3D-EL	EURO 25 ⁰⁰ Code 88E.P3D-EL	EURO 30 ⁰⁰ Code 88E.C3D-EL
SMALL BAR 4/8 elements	EURO 160 ⁰⁰ Code 88E.F3D- BARSM	EURO 160 ⁰⁰ Code 88E.P3D- BARSM	EURO 170 ⁰⁰ Code 88E.C3D- BARSM
LARGE BAR 9/14 elements	EURO 220 ⁰⁰ Code 88E.F3D- BARLA	EURO 220 ⁰⁰ Code 88E.P3D- BARLA	EURO 230 ⁰⁰ Code 88E.C3D- BARLA
no. 1 TORONTO BRIDGE 12/14 elements	EURO 300 ⁰⁰ Code 88E.F3D- TORLA	EURO 300 ⁰⁰ Code 88E.P3D- TORLA	EURO 320 ⁰⁰ Code 88E.C3D- TORLA

CAD CAM AREA

88DENT CAD/CAM PROCESSING

ZIRCONIA COLOURING	MAXIMUM BRIDGE EXTENSION	PRODUCT CODE	PRICE / EACH
Abutment in milled titanium Including screws	1	88E.TI-F-AB	EURO 55 ⁰⁰
Single screw-retained crown in milled titanium Including screws	1	88E.TI-F-CSA	EURO 55 ⁰⁰
Screw-retained bridge element in milled titanium Including screws	from 2 to 16	88E.TI-F-EPA	EURO 45 ⁰⁰
Small milled titanium bar up to 6 elements	1	88E.TI-F-BAR-SM	EURO 240 ⁰⁰
Large milled titanium bar more than 6 elements	1	88E.TI-F-BAR-LA	EURO 400 ⁰⁰





PRODUCTION

Creating a high-quality prosthetic product means firstly carefully selecting the most suitable materials for the different types of devices and the milling machines with which to manage this phase.

MILLING MACHINES

CUTTING-EDGE EQUIPMENT FOR MILLING

Partner

88dent chooses its partners by ensuring that they are well-established, reliable and possess the ability to think beyond the curve.

A partner of the calibre of vhf, a global leader in numerous sectors, was chosen because of its characteristics and know-how,

88DENT OFFERS CUTTING-EDGE MACHINERY TO SATISFY ANY BUSINESS

AND ECONOMIC REQUIREMENT.

CAM

With **88dent**, in addition to **VHF CAM**, you also have the possibility to streamline your work with external cams that allow us to respond and satisfy individual needs and optimise the milling process.

Support

88dent provides a support service throughout Italy, ready to promptly respond to any situation with a machine replacement service.

The comprehensive coverage and experience of our technicians provide our customers with a reliable service.



PRODUCTION

ZETA4

THE LEADER OF TOMORROW'S TECHNOLOGY,
AVAILABLE TODAY

Precise, fast, independent

Simple to configure and easy to use, the signature feature of the **ZETA4** milling machine is its high speed and precision when sanding and milling. High performance and cost effectiveness for cutting-edge technology available to professionals looking to reap the benefits of innovation. High-precision technology, that makes it possible to carry out impeccable restorations in just one day, lies behind the futuristic design. The integrated VHF Cam software is easy to use and guarantees a simple and intuitive digital experience.

FOCUS



ULTRA-FAST MACHINING

Restorations in less than ten minutes with an accurate dental morphology that allows you to save significant amounts of time



COMPLETE INDEPENDENCE

Latest-generation system including simplified interface with the possibility of using and machining a large variety of materials on the market



HIGH-COST EFFECTIVENESS

Using the **ZETA4** milling machine means saving time and money because it allows you to produce top-quality articles in a short time. PC and integrated compressor.



MAXIMUM PRECISION

A precise and impeccable result in ultra-HD is obtained thanks to the milling and sanding.



Milling materials

The large variety of materials that can be used for milling and grinding provides a wide range of possibilities, so the best solution can be found for every patient.

With the **ZETA4** milling machine, it is possible to mill the following materials (blocks only): disilicates, composite materials, zirconia for fast sintering too, PMMA/PEEK and wax.

It is also possible to machine premilled items in titanium/CoCr for which specific supports are required.



Advanced functions for cutting-edge performance

4 AXES | 1 BLOCK | 6 TOOLS | WET | SANDING+MILLING

With the **ZETA4** milling machine, it is possible to carry out ultra-HD restorations in less than 10 minutes; the blocks are secured in 2 seconds; the electric spindle is high frequency (100,000 rpm). The DentalCAM software package allows you to import STL files from the most commonly-used CAD programs on the market.

An external laptop is not required because the **ZETA4** milling machine features an integrated touchscreen and WLAN. The compressor is also integrated, so no external compressed air supply is required. It works with pure water, without the addition of additives, and is equipped with precision tools for machining all classes of materials.

Why choose the ZETA4 milling machine?



- 🦷 Maximum precision thanks to ultra-HD milling and sanding with a repeatable accuracy of 3 micron
- 🦷 Ultra-fast machining
- 🦷 Possibility of milling 38 materials from 20 different manufacturers
- 🦷 Possibility of milling more than 800 prefabricated titanium and CoCr dies from 11 manufacturers
- 🦷 Complete independence thanks to the integrated workflow with the most common scanners and CAD software on the market.
- 🦷 PC with integrated touch screen and WLAN, no laptop/tablet required
- 🦷 Integrated compressor. No external compressed air supply required
- 🦷 Pure water. No additives required

PRODUCTION

ZETA4

THE LEADER OF TOMORROW'S TECHNOLOGY,
AVAILABLE TODAY

Technical data sheet

BASIC SYSTEM

Dimension (L/D/H)	Base support: approx. 400 x 305 mm Fully closed machine: approx. 471 x 522 x 507 mm Fully open machine: approx. 471 x 737 x 608 mm
Weight	approx. 66 kg
Mechanism	4 axes
Rotation A axis	from + 190 ° to -10 °

MILLING CHAMBER

Chamber lighting with different colours to signal the machine status
Webcam for video transmissions to customer service
Integrated compressor for the production of compressed air

PERMITTED AMBIENT TEMPERATURE / RELATIVE HUMIDITY

Ambient temperature (storage/transport)	between -20 ° C and 60 ° C
Ambient temperature (operation)	between 10 ° C and 32 ° C
Relative air humidity	max. 80%, without condensate

SFZ 170P SPINDLE

Asynchronous spindle with speeds up to 100,000 rpm	
Rated power in continuous operation (S1)	170 W
Rated power in uninterrupted continuous operation (S6)	220 W
Peak power (Pmax)	340 W
Hybrid ceramic ball bearings	
Ball bearings in 2 rows	
Pneumatic spindle with clamp with Ø 3 mm	
Airtightness check	

MILLING MATERIALS (BLOCKS AND PREMILLED ONLY)

Disilicates, composite materials, zirconia for fast sintering too, PMMA/PEEK, wax, titanium and CoCr
--

BLOCK SUPPORT

Block assembly with automatic pneumatic fastening	
Maximum number of blocks for machining	1
Maximum block dimensions (L/D/H)	40x20x20 mm
Support for premilled	optional

TOOL MAGAZINE

Removable (5 tool holder blocks divided by materials supplied)	
Maximum tools in tool holder block	6
Maximum tool length	35 mm
Automatic tool change with compressed air monitoring	
Automatic tool length measurement and tool breakage monitoring with measuring sensor	
Material assignment by colour coding of the tool holder block	
Automatic detection of the tool holder block	

LIQUID COOLING SYSTEM FOR WET MACHINING

Cooling liquid	tap water
Integrated cooling liquid tank	
Maximum quantity of cooling liquid	2 litres
Removable integrated filter	
Easy-to-wash	
Flow sensor for monitoring the cooling liquid flow	

CONNECTION

Supply connection	100-240 V CA, 50-60 Hz with glass fuse T6,3A L 250 V
Network port	RJ-45
Speed	10BASE / 100BASE-TX / 1000BASE-T (automatic detection)

INTERNAL CAM COMPUTER

CPU	CPU: Intel® Atom™ E3950 - 4 core - 1,60-2,00 GHz
RAM	8 GB DDR3L-SDRAM
Graphics	GPU: Intel® HD Graphics 505
Interface	Display: HDMI 1.4b up to 3840x2160 at 30 Hz USB: 2.0 with Wi-Fi device
Standard Wi-Fi	IEEE 802.11 ac
Data transmission speed	802.11 ac: downlink up to 867 Mbps, uplink up to 867 Mbps (20-40 MHz) 802.11 a / b / g / n / ac: downlink up to 300 Mbps, uplink up to 300 Mbps
Encryption	WEP a 64 bit - WEP at 128 bit - WPA2-PSK - WPA-PSK
Operating frequency	2.4-5 GHz

PRODUCTION

ZETA4

THE LEADER OF TOMORROW'S TECHNOLOGY,
AVAILABLE TODAY



**ZETA4
4-AXIS MILLING
MACHINE***

Code 88S-88ZETA

EURO **33,800.00**

PREFACE® SUPPORT FOR PREMILLED

Code 88S-246318

EURO **680.00**

NT-PREFORM® SUPPORT FOR PREMILLED

Code 88S-246319

EURO **720.00**

DESS SUPPORT FOR PREMILLED

Code 88S-247001

EURO **550.00**

*Includes CAM and *starter set* for glass-ceramic.

Starter set content: no. 8 Radius glass-ceramic tools (2 x 0.6 mm, 3 x 1 mm and 3 x 2.4 mm) + no. 2 Torus glass-ceramic tools (1 x 0.6 mm and 1 x 1.2 mm).



fig1

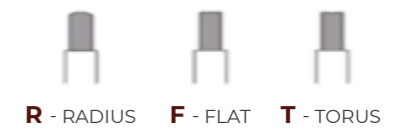


fig2

fig1: Metal milled abutment from premilled | fig2: bridge milling from block

Tools - ZETA4

Tip shapes:



Double-tooth Radius tip - 0.60 mm

TOOLS FOR ZIRCONIA DARK BLUE RING STOP WITH DIAMOND COATING

Code 88S-Z060-R2D-35

EURO **78.00**

Double-tooth Radius tip - 1 mm

Code 88S-Z100-R2D-35

EURO **78.00**

Triple-tooth Radius tip - 2 mm

Code 88S-Z200-R3D-35

EURO **78.00**

Double-tooth Flat tip - 1.2 mm

Code 88S-Z120-F2D-35

EURO **78.00**



Double-tooth Radius tip - 1 mm

Code 88S-C100-R2-35

EURO **35.00**

Double-tooth Radius tip - 2 mm

Code 88S-C200-R2-35

EURO **35.00**



Radius tip - 0.60 mm

Code 88S-G060-R-35

EURO **37.00**

Radius tip - 1 mm

Code 88S-G100-R-35

EURO **37.00**

Radius tip - 2.4 mm

Code 88S-G240-R-35

EURO **37.00**

Torus tip - 0.6 mm

Code 88S-G060-T-35

EURO **37.00**

Torus tip - 1.2 mm

Code 88S-G120-T-35

EURO **37.00**



Double-tooth Radius tip - 0.60 mm

Code 88S-M060-R2-32

EURO **35.00**

Double-tooth Radius tip - 1 mm

Code 88S-M100-R2-32

EURO **35.00**

Double-tooth Radius tip - 2mm

Code 88S-M200-R4-32

EURO **45.00**

Double-tooth Torus tip - 1.2 mm

Code 88S-M120-T2-32

EURO **35.00**

ZETA4

THE LEADER OF TOMORROW'S TECHNOLOGY,
AVAILABLE TODAY

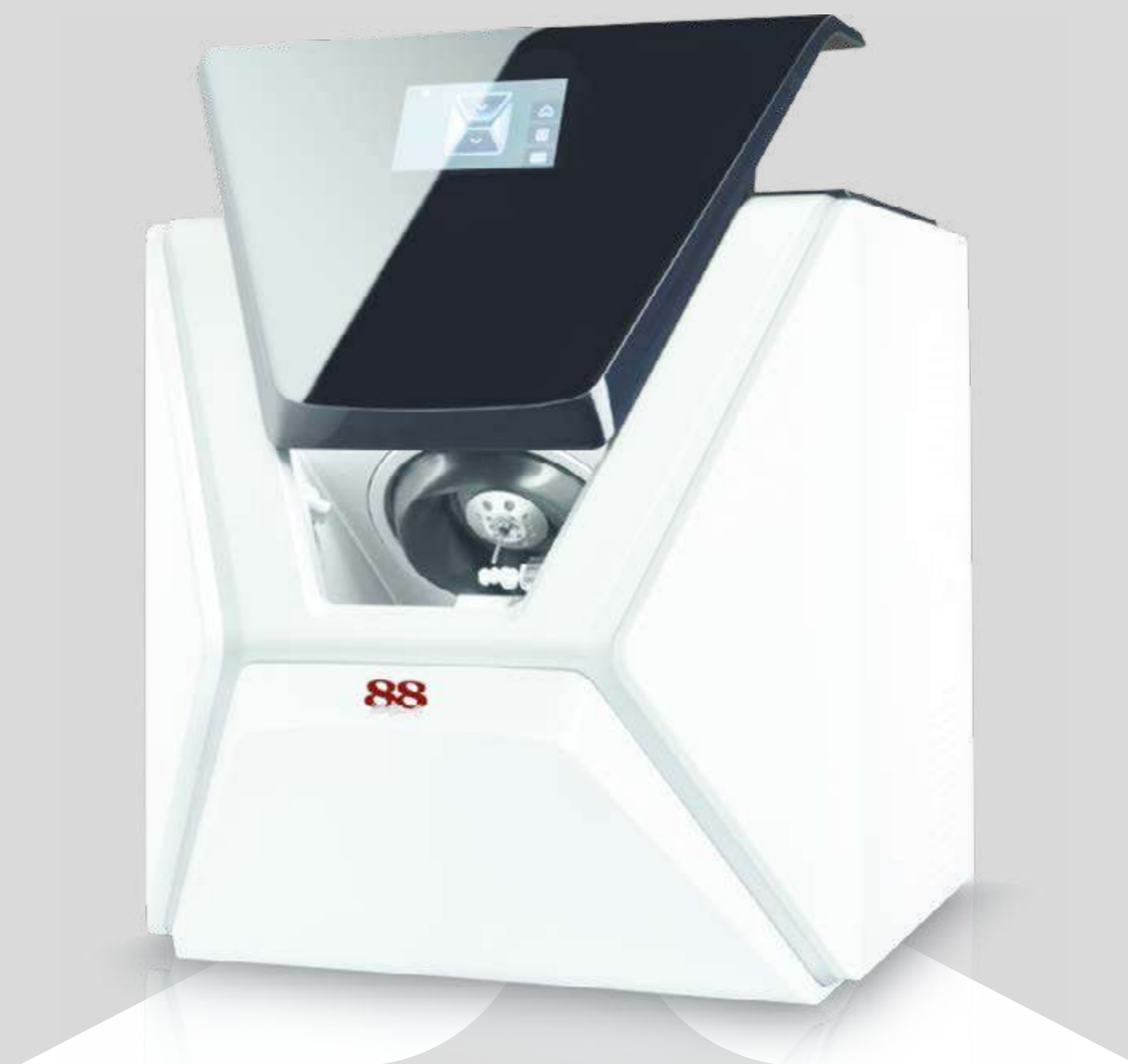
Consumables - ZETA4

AIDITE ZIRCONIA - SIRONA COMPATIBLES - VITA SHADES

DIMENSIONS	PIECES / PACK	TYPE	SHADE / PRODUCT CODE	COST
20x15x14	12	SHT coloured (preshade)	<i>on request</i>	EURO 120. ⁰⁰
20x15x14	12	SHT multilayer	<i>on request</i>	EURO 150. ⁰⁰
20x15x14	12	3D multilayer	<i>on request</i>	EURO 210. ⁰⁰
20x15x19	12	SHT coloured (preshade)	<i>on request</i>	EURO 150. ⁰⁰
20x15x19	12	SHT multilayer	<i>on request</i>	EURO 180. ⁰⁰
20x15x19	12	3D multilayer	col. A3 - code APS201519ATMA3-3D	EURO 182. ⁴⁰
40x15x14	10	SHT coloured (preshade)	<i>on request</i>	EURO 200. ⁰⁰
40x15x14	10	SHT multilayer	<i>on request</i>	EURO 225. ⁰⁰
40x15x14	10	3D multilayer	<i>on request</i>	EURO 275. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. A1 - code APS401519SHTCA1	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. A2 - code APS401519SHTCA2	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. A3 - code APS401519SHTCA3	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. A3,5 - code APS401519SHTCA3.5	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. A4 - code APS401519SHTCA4	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. C2 - code APS401519SHTCC2	EURO 144. ⁰⁰

DIMENSIONS	PIECES / PACK	TYPE	SHADE / PRODUCT CODE	COST
40x15x19	10	SHT coloured (preshade)	col. D2 - code APS401519SHTCD2	EURO 144. ⁰⁰
40x15x19	10	SHT coloured (preshade)	col. D3 - code APS401519SHTCD3	EURO 144. ⁰⁰
40x15x19	10	SHT multilayer	col. A1 - code APS401519SHTMA1	EURO 160. ⁰⁰
40x15x19	10	SHT multilayer	col. A2 - code APS401519SHTMA2	EURO 160. ⁰⁰
40x15x19	10	SHT multilayer	col. A3 - code APS401519SHTMA3	EURO 160. ⁰⁰
40x15x19	10	SHT multilayer	col. A3,5 - code APS401519SHTMA3.5	EURO 160. ⁰⁰
40x15x19	10	SHT multilayer	col. C2 - code APS401519SHTMC2	EURO 160. ⁰⁰
40x15x19	10	SHT multilayer	col. D2 - code APS401519SHTMD2	EURO 160. ⁰⁰
40x15x19	10	3D multilayer	col. A1 - cod. APS401519ATMA1-3D	EURO 228. ⁰⁰
40x15x19	10	3D multilayer	col. A2 - cod. APS401519ATMA2-3D	EURO 228. ⁰⁰
40x15x19	10	3D multilayer	col. A3 - cod. APS401519ATMA3-3D	EURO 228. ⁰⁰
40x15x19	10	3D multilayer	col. A4 - cod. APS401519ATMA4-3D	EURO 228. ⁰⁰
40x15x19	10	3D multilayer	col. B3 - cod. APS401519ATMB3-3D	EURO 228. ⁰⁰
40x15x19	10	3D multilayer	col. D3 - cod. APS401519ATMD3-3D	EURO 228. ⁰⁰
55x15,5x19	5	SHT colored (preshade)	<i>su richiesta</i>	EURO 237. ⁵⁰
55x15,5x19	5	SHT multilayer	col. A1 - cod. APS5515.519SHTMA1	EURO 160. ⁰⁰
55x15,5x19	5	SHT multilayer	col. A2 - cod. APS5515.519SHTMA2	EURO 160. ⁰⁰
55x15,5x19	5	SHT multilayer	col. A3,5 - cod. APS5515.519SHTMA3.5	EURO 160. ⁰⁰
55x15,5x19	5	3D multilayer	col. A1 - cod. APS5515.519ATMA1-3D	EURO 237. ⁵⁰
55x15,5x19	5	3D multilayer	col. A2 - cod. APS5515.519ATMA2-3D	EURO 237. ⁵⁰

DIMENSIONS	PIECES / PACK	TYPE	SHADE / PRODUCT CODE	COST
55x15,5x19	5	3D multilayer	col. A3,5 - cod. APS5515.519ATMA3.5-3D	EURO 237. ⁵⁰
55x15,5x19	5	3D multilayer	col. D3 - cod. APS5515.519ATMD3-3D	EURO 237. ⁵⁰
65x25x22	3	SHT colored (preshade)	col. A2 - cod. APS652522SHTCA2	EURO 168. ⁰⁰
65x25x22	3	SHT colored (preshade)	col. A3 - cod. APS652522SHTCA3	EURO 168. ⁰⁰
65x25x22	3	SHT colored (preshade)	col. A3,5 - cod. APS652522SHTCA3.5	EURO 168. ⁰⁰
65x25x22	3	SHT colored (preshade)	col. A4 - cod. APS652522SHTCA4	EURO 168. ⁰⁰
65x25x22	3	SHT colored (preshade)	col. C2 - cod. APS652522SHTCC2	EURO 168. ⁰⁰
65x25x22	3	SHT multilayer	col. A1 - cod. APS652522SHTMA1	EURO 300. ⁰⁰
65x25x22	3	SHT multilayer	col. A2 - cod. APS652522SHTMA2	EURO 192. ⁰⁰
65x25x22	3	SHT multilayer	col. A3 - cod. APS652522SHTMA3	EURO 192. ⁰⁰
65x25x22	3	SHT multilayer	col. A3,5 - cod. APS652522SHTMA3.5	EURO 192. ⁰⁰
65x25x22	3	SHT multilayer	col. C2 - cod. APS652522SHTMC2	EURO 192. ⁰⁰
65x25x22	3	3D multilayer	col. A1 - cod. APS652522ATMA1-3D	EURO 262. ²⁰
65x25x22	3	3D multilayer	col. A2 - cod. APS652522ATMA2-3D	EURO 262. ²⁰
65x25x22	3	3D multilayer	col. A3 - cod. APS652522ATMA3-3D	EURO 262. ²⁰
65x25x22	3	3D multilayer	col. A3,5 - cod. APS652522ATMA3.5-3D	EURO 262. ²⁰
65x25x22	3	3D multilayer	col. C2 - cod. APS652522ATMC2-3D	EURO 262. ²⁰
65x25x22	3	3D multilayer	col. D2 - cod. APS652522ATMD2-3D	EURO 262. ²⁰
65x40x22	3	SHT colored (preshade)	<i>on request</i>	EURO 450. ⁰⁰
65x40x22	3	SHT multilayer	<i>on request</i>	EURO 525. ⁰⁰
65x40x22	3	3D multilayer	col. A3 - cod. APS654022ATMA3-3D	EURO 433. ²⁰
85x40x22	2	SHT colored (preshade)	<i>on request</i>	EURO 450. ⁰⁰
85x40x22	2	SHT multilayer	col. A3 - cod. APS854022SHTMA3	EURO 320. ⁰⁰



PRODUCTION

ENNE4+

WET SANDING
RELOADED

Sets new standards for wet machining

The **Enne4+** is a machine for wet milling blocks of glass-ceramic, composite and zirconium, as well as titanium and CrCo abutments. This machine combines the high precision and travel speed, common to all machines with a liquid cooling system, in an extremely compact case.

FOCUS



EXCELLENT PRECISION

Ultra-HD restoration and premium spindle with ceramic hybrid quadruple ball bearing for maximum concentricity accuracy. Repetition accuracy of 3 µm



SOPHISTICATED STRUCTRE

Eight liquid nozzles for uniform tool cooling.
High speeds up to 80,000 rpm with 800 watt power and sturdy industrial quality



MAXIMUM COST EFFICIENCY

Simultaneous machining of max. 3 blocks up to 45 mm long; automatic changeover for 8 tools; webcam for remote monitoring and Ethernet connection for a stable connection. Very simple operation thanks to the DentalCAM software with DirectMill function supplied (no license fee).
24-month warranty



ABSOLUTE INDEPENDENCE

38 materials in blocks from 20 manufacturers. >1300 prefabricated titanium and CoCr abutments from 11 manufacturers. Ideal for laboratories and dental studios with short delivery times



Ideal for the laboratory

4 AXES | 8 TOOLS | 3 BLOCKS | WET | MILLING | SANDING

The **Enne4+** is ideal for in-house laboratories which want to produce work without delays and avoid the increased costs associated with outsourcing. With the combination of the **Enne4+** wet grinding machine and dry milling machine, users can work simultaneously and minimise the amount of cleaning that most hybrid machines would require (excluding, of course, the vhf **Erre5** with its revolutionary DirectClean technology).

Tools & Software

VHF PRECISION TOOLS · grinding and milling tools with refined cutting shapes · for machining all types of materials: wax, PMMA, zirconium oxide, composites, titanium, cobalt chromium and glass ceramic ·

VHF DENTALCAM

high-performance software packet for STL file import for all standard CAD programs · CAM strategies optimised for rapid processing · perfect adaptation to all vhf dental milling tools - for first-class, reliable results

Why choose the ENNE4+ milling machine?



- 🦷 Ideal for any material
- 🦷 Maximum machining freedom
- 🦷 Compact (ideal for any space)
- 🦷 Rapid tool changeover

ENNE4+

WET SANDING RELOADED

TECHNICAL DATA

Overall size	340 x 320 mm
Fully closed casing	360 x 450 x 470 mm
Minimum operating space required	710 x 810 x 470

BASIC SYSTEM

Weight	53 Kg
Axes	4
Rotation axis A	+190° to -10°
Overvoltage category (IEC 60664-1)	II

EXTERNAL COMPRESSED AIR SUPPLY

Min/max air pressure	+190° to -10°
Recommended air pressure	4.5 Bar
Air consumption (approx.)	l/min 25/45 (at 4/8 bar)
Air purity (ISO 8573-1:2010)	> Solid particulates: class 3 > Water content: class 4 > Oil residue content: class 3

AMBIENT CONDITIONS

Relative air humidity	80%, without condensate
Ambient temperature for storage/transport	-20°C / - 60°C
Ambient temperature	10°C / 35°C
Position type	Indoors
Maximum altitude	2000 m
Ambient air (IEC 60664-1)	Dust-free, pollution degree 2

SPINDLE

Model	SFN+ 400P (synchronous)
Maximum rpm	80,000 rpm
Rated power in continuous operation (S1)	440 W
Rated power in uninterrupted periodic operation (S2)	600 W
Peak power (Pmax):	800 W
Fastening clamp diameter	3 mm



Enne4+

Cod. 88S-247979

- ✓ Integrated webcam
- ✓ Software CAM VHF
- ✓ Ethernet connection
- ✓ Blocks up to 45 mm
- ✓ Mains water supply
- ✓ 800 Watt-80,000 RPM spindle

EURO **23.500,00**

TOOL LOADER

Max number of tools in magazine	8
Max tool length	35 mm

STANDARD TOOL HOLDER

Maximum block dimensions (L/D/H)	45 x 20 x 20 mm
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COOLING SYSTEM

Refrigerant	Tap water
For titanium	Water emulsion and Tec Liquid Pro cooling lubricant
Maximum tank capacity	3.5 l

CONNECTIONS

Compressed air connection, quick-release fitting (diameter)	6 mm
Supply connection	> 100 – 240 V CA > 50/60 Hz > 640 W Glass fuse T6.3A L250V
Network port	RJ-45
– Speed	10BASE/100BASE-TX/1000BASE-T (automatic detection)

4 AXIS 88MILL EDITION

EASY-TO-USE

WITH MAXIMUM PROFITABILITY

4-Axis dental milling machine for dry milling

88Mill Edition 4-axis milling machine with automatic tool change, compact size, ideal for milling zirconium, PMMA, nanocomposite, Cr-Co, polyurethane and wax items. The high-frequency spindle allows for excellent precision with ultra-fast machining.

The **CAM software** included, optimised for ultra-fast processing, allows the STL file to be rapidly sent to the most commonly-used CAD programs. Thanks to the Direct-Mill function, it is also suitable for less experienced users because after the creation of new blanks, which are automatically stored, the milling begins independently.

FOCUS



4 SIMULTANEOUSLY CONTROLLED AXES

This dental milling machine with 4 simultaneously controlled axes, with automatic changeover for 7 tools.



DESIGN

Sophisticated design with ultra-rigid and compact casing.



MACHINING OF MULTIPLE MATERIALS

The new functions offer the laboratory the opportunity to machine multiple materials and produce devices even in extremely hard, chromium-cobalt non-precious alloys.



The **CAM software** included, optimised for ultra-fast processing, allows the STL file to be rapidly sent to the most commonly-used CAD programs. Thanks to the Direct-Mill function, it is also suitable for less experienced users because after the creation of new blanks, which are automatically stored, the milling begins independently.

Maximum precision HD restorations at an affordable price

4 AXES | 1 DISC | 7 TOOLS | DRY MACHINING | MILLING

Reliable and precise, the **88mill Edition** 4-axis milling machine guarantees maximum profitability thanks to its long service life and excellent quality/price ratio.

The **high-quality spindle and precision tools, including the haptic probe** for use with diamond coated tools, enable all material classes to be machined: wax, PMMA, zirconium oxide, composites, titanium and chromium-cobalt. The automatic 7-tool changer and the ultra-simple control thanks to the **DentalCAM** software with DirectMill function further simplify the work of the dental professional.

Performance is enhanced by the virtually unlimited availability of material in the 98-mm round disc format, with the possibility of machining thicknesses of up to 30 mm and no restrictions on the choice of material manufacturers.

Why choose the 88Mill Edition milling machine?



- 🦷 Compact
- 🦷 Cost-efficient
- 🦷 Long-lasting
- 🦷 Mills even extra-hard materials such as chromium-cobalt

4 AXIS 88MILL EDITION

EASY-TO-USE
WITH MAXIMUM PROFITABILITY



4-AXIS 88MILL EDITION*

Code 88S-240477

✓ VHF CAM Software

EURO 15,500.00

BASIC SYSTEM

Dimensions (L/D/H)	approx. 400 x 385 x 41 mm
Weight	45 Kg
Axis-driven mechanism	4
Rotation axis A	Harmonic-Drive® 360° system
Milling chamber	Chamber lighting
Ambient temperature (storage/transport)	between -20°C and 60°C
Ambient temperature (operation)	between 10°C and 32°C
Relative air humidity	max. 80%, without condensate

An external compressed air supply is required

- > Air pressure (min./max.): 6 bar / 8 bar
- > Recommended air pressure: approx. 6 bar
- > Air consumption: approx. 50 l / min at 6 bar, 80 l / min at 8 bar
- > Air purity according to ISO 8573-1: 2010

An external air extraction system is required

- > Minimum extraction capacity: 2,000 l / min at 200 hPa
- > The machine constantly monitors the extraction capacity

AMBIENT CONDITIONS

Relative air humidity	80%, without condensate
Ambient temperature for storage/transport	-20°C / - 60°C
Ambient temperature	10°C / 35°C
Position type	Indoors
Maximum altitude	2000 m
Ambient air (IEC 60664-1)	Dust-free, pollution degree 2

SPINDLE

Asynchronous spindle	with speeds up to 60,000 rpm
Rated power in continuous operation (S1):	170 W
Rated power in uninterrupted continuous operation (S6)	200 W
Peak power (Pmax)	240 W
Hybrid ceramic ball bearings; Ball bearings in 2 rows	

DISC HOLDER SUPPORT

For disc assembly with the "C" clamp min. / max. disc diameter:	98.5 mm / 98.8 mm
Maximum disc height	30 mm

TOOL MAGAZINE

Maximum tools in tool holder block	7
Maximum tool length	35 mm
Automatic tool change	with compressed air monitoring
Automatic tool length measurement and tool breakage monitoring with measuring sensor	

CONNECTIONS

Pneumatic connection	Quick-release fitting 6 mm
Supply connection	100 - 240 V CA, 50/60 Hz with glass fuse T6.3A L250V
USB port	
Connection for automatic switch-on control of suction unit	
Hose pipe attachment (Ø 45 mm) for suction unit	

MILLING MATERIALS

PMMA, wax, zirconium, composites, CoCr

ERRE 5

5-AXIS DENTAL MILLING MACHINE DRY AND WET MILLING + DISC CHANGE

Unparalleled German technology

Unparalleled German technology showcased at its best in this machine entirely designed and produced in Germany. Powerful and robust, the **88 Erre5** ensures full freedom of use, faster machining, longer spindle life and redefined milling with ultra-HD restoration.

FOCUS



MAXIMUM PRECISION

Ultra HD restorations and premium spindle with quadruple hybrid ceramic ball bearings for maximum concentricity accuracy. Repetition accuracy of 3 µm



TOTAL INDEPENDENCE

Virtually unlimited availability of material in 98-mm disc format, 30 types of block and > 140 prefabricated titanium and CoCr dies. Maximum variety of indications thanks to the rotation angle of ± 35° in the 5th axis and blanks up to 40 mm thick



EXCELLENT COST EFFICIENCY

Thanks to direct disc and direct clean technology, the machine can automatically change over the material.



MAXIMUM STABILITY

Mills and sands the hardest materials on the market, including the titanium and CoCr varieties. 800 watt power and 80,000 rpm plus sturdy industrial quality



ERRE5 - 5 AXES

Code 88S-88R5

- ✓ VHF DENTAL CAM 7 Software
- ✓ Blockholder for blanks with Sirona® compatible attachment

EURO **57.800,00**

Ingenious and efficient, it is one of the fastest machines on the market, suitable for any application, featuring sensors to control all system functions and webcams for remote monitoring and assistance. Milling and sanding the hardest materials, including titanium and cobalt-chromium alloys.

Operation is incredibly simple thanks to the technology featured, including **DirectDiscTechnology**, the automatic disc changer with 10 positions with no blank locking system and integrated ioniser.

It can be used with materials from all manufacturers, without limits or constraints, on the standard 98 disc with 10 mm step.

The milling genius revolutionises the laboratory

5 AXES | 10 DISCS | 60 BLOCKS | 16 TOOLS | DRY+WET | SANDING+MILLING

A HIGHLY AUTOMATED MILLING MACHINE which combines maximum precision with maximum stability, regardless of the material, all in a space-saving size.

DIRECTCLEANTECHNOLOGY effortlessly switches between wet and dry machining. In addition to integrated ionisers and active workspace ventilation, the machine also offers an intelligent drying function.

Integrated water cooling is a new feature that significantly minimises the thermal expansion of the spindle and Z axis.

It is also possible to use milling blanks with a thickness of up to 40 mm and the 16-position tool changer speeds up the choice of milling tool. The CAM software included, enhanced for ultra-rapid computing, can process STL files from all CAD software programs. We also offer the possibility of using the machine with external CAM software, such as Hyperdent MillBox/Sum.

WHY CHOOSE ERRE 5?



- 🦷 Self-cleaning
- 🦷 Multi-functional (dry/wet)
- 🦷 Multi-material machining (mills all materials on the market) in disc or block form
- 🦷 Machining on titanium or chromium-cobalt in discs or premilled
- 🦷 Automatic blank change (with no support)

ERRE 5

5-AXIS DENTAL MILLING MACHINE DRY AND WET MILLING + DISC CHANGE

BASIC SYSTEM

Base support	Approx. 580 x 380 mm
Fully closed machine	approx. 580 x 600 x 700 mm
Fully open machine	approx. 590 x 710 x 880 mm
Weight	149 Kg
Axis-driven mechanism	5
Rotation axis A	360°
Rotation axis B	± 35°
Milling chamber	<ul style="list-style-type: none"> > Lighting in the milling chamber with different colours to indicate the machine status > Webcam for video transmissions to customer service > Automatic cleaning and drying system ("DirectClean Technology")
Ambient temperature (storage/transport)	between -20°C and 60°C
Ambient temperature (operation)	between 10°C and 32°C
Relative air humidity	max. 80%, without condensate
An external compressed air supply is required	<ul style="list-style-type: none"> > Air pressure (min./max.): 6 bar / 8 bar > Recommended air pressure: approx. 7 bar > Air consumption: approx. 50 l / min at 6 bar, 64 l / min at 8 bar (ioniser disabled) > Air consumption: approx. 100 l / min at 6 bar, 110 l / min at 8 bar (ioniser enabled) > Air purity according to ISO 8573-1: ISO 8573-1: 2010
An external air extraction system is required	<ul style="list-style-type: none"> > Minimum extraction capacity: 3,500 l / min at 220 hPa > The machine constantly monitors the extraction capacity

SFK 400P SPINDLE

Synchronous spindle	with speeds up to 80,000 rpm
Rated power in continuous operation (S1):	440 W
Rated power in uninterrupted continuous operation (S6)	600 W
Peak power (Pmax)	800 W
Hybrid ceramic ball bearings	
Ball bearings in 4 rows	
Pneumatic spindle with clamp with Ø 3 mm	
Cone cleaning	

Airtightness check

DISC HOLDER SUPPORT FOR DISC ASSEMBLY

Disc diameter	min 98.5 mm / max 98.8 mm
Maximum disc height	40 mm
Disc height	min 9.8 mm / max 10.5 mm
Preconfigured for block support	

BLOCK SUPPORT

For machining blocks	
Maximum number of blocks for machining	6
Maximum block dimensions (L/D/H)	40 x 20 x 20 mm

TOOL MAGAZINE

Removable (1 supplied)	
Maximum tools in the machine	16
Maximum tool length	40 mm
Automatic tool change	with compressed air monitoring
Automatic tool length measurement and tool breakage monitoring with measuring sensor	

LIQUID COOLING SYSTEM FOR WET MACHINING

Cooling liquid:	Tap water
Integrated cooling liquid tank	
Maximum quantity of cooling liquid	3.4 l
Removable integrated filter: dishwasher safe	
Flow sensor for monitoring the cooling liquid flow	

DISC CHANGEOVER

Slot for discs and supports for blocks	10 (option for mixed fittings)
Frameless disc insertion	with "Direct Disc Technology"
Disc changeover	Fully automatic

IONISER

To eliminate the static electricity of machining debris and faster cleaning	
Ioniser nozzles	2
· Ioniser only used for dry machining	

CONNECTIONS

Supply connection	100 - 240 V CA, 50/60 Hz with glass fuse T6.3A L250V
Port	Ethernet RJ-45
Speed	Speed: 10BASE / 100BASE-TX / 1000BASE-T
Connection for automatic switch-on control of suction unit	
Hose pipe attachment (Ø 45 mm) for suction unit	

MILLING MATERIALS (DRY ONLY)

PMMA, wax, zirconium, composites, CoCr, titanium, premilled CoCr/Titanium, composite and disilicate blocks

5-AXIS 88MILL FIVE S

QUALITY-PRICE RATIO AND INDESTRUCTIBILITY
AT THE LABORATORY'S SERVICE

5-Axis dental milling machine for dry milling

Axes rotation ± 35 degrees: thanks to the wide rotation range, the B-axis allow you to eliminate most of the undercuts, making the machine ideal for the production of models, surgical guides and implantology. **5 axes working simultaneously:** in addition to the three linear axes in x, y and z, the machine has two rotary axes which permit a wide range of machining operations.

FOCUS



HEAVY-DUTY FRAME IN A SINGLE ALUMINIUM CASTING

A single-cast aluminium frame, closed on 5 sides, absorbs the vibrations and ensures excellent stability of the entire machine. Moreover, the use of reinforced linear guides and stainless steel ball screws, plus the use of the Harmonic Drive on rotary axes, increases the rigidity of the axis system, to obtain perfect milling results



AUTOMATIC CHANGER FOR 16 TOOLS

In addition to the tools used for machining, the machine can also be fitted with other tools, thus avoiding down-time for replacements when one cannot be used. The haptic measuring function allows the use of diamond-coated tools.



SOPHISTICATED PROTECTION MECHANISM

All the machine's components are protected by a specific "air concept" system which allows air to circulate inside the milling chamber, so that the milling residue never comes into contact with the sensitive machine components.



In addition to the three linear axes in x, y and z, the machine has two rotary axes for a wide range of machining operations.

5 axes working simultaneously



Possibility of using discs with thickness up to 40 mm:

The machine allows different materials to be milled: discs and blocks of wax, plastic, plaster models, zirconium and composites, as well as Cr/Co. It is difficult to find any type of machining that cannot be done with this machine.

Powerful, high-precision electrospindle: 4 hybrid ceramic ball bearings and a continuous output of 300 W with highly balanced torque.

Handy accessory drawer:

The tools and discs are always at hand. The drawer can also contain a tool holder with up to 30 slots which can be managed by the CAM software.

Why choose the 88MILL FIVE S milling machine?



- 🦷 Sturdiness
- 🦷 Power
- 🦷 Reliability
- 🦷 Precision
- 🦷 Cobalt Chrome machining
- 🦷 Unparalleled price/features ratio

5-AXIS 88MILL FIVE S

QUALITY-PRICE RATIO AND INDESTRUCTIBILITY
AT THE LABORATORY'S SERVICE



5-AXIS 88MILL FIVE S

(MILLING MACHINE ONLY)

Code 88S-88MILL5S-SC

EURO 23,300.00

5-AXIS 88MILL FIVE S

(MILLING MACHINE + CAM SOFTWARE)

✓ VHF DENTAL CAM 7 Software

EURO 25,500.00

✓ 88Cam powered by CIMsystem

EURO 25,900.00

BASIC SYSTEM

Dimensions (L/D/H)	450 x 630 x 530 mm
Weight	91 Kg
Axis-driven mechanism	5
Rotation axis A	360°
Rotation axis B	± 35°
Milling chamber	Chamber lighting
Ambient temperature (storage/transport)	between 20°C and 60°C
Ambient temperature (operation)	between 10°C and 32°C
Relative air humidity	max. 80%, without condensate

An external compressed air supply is required

- > Air pressure (min./max.): 6 bar / 8 bar
- > Recommended air pressure: approx. 6 bar
- > Air consumption: approx. 80 l / min at 6 bar
- > Air purity according to ISO 8573-1: 2010

An external air extraction system is required

- > Minimum extraction capacity: 2,500 l / min at 220 hPa
- > The machine constantly monitors the extraction capacity

SPINDLE

Asynchronous spindle	with speeds up to 60,000 rpm
Rated power in continuous operation (SI):	300 W
Peak power (Pmax)	600 W
3 nozzles for liquid	
Hybrid ceramic ball bearings; Ball bearings in 4 rows	
Pneumatic spindle with clamp with Ø 3 mm	
Cone cleaning	
Airtightness check	

DISC HOLDER SUPPORT

For assembling discs with ring and fastening screws	
Disc diameter	min 98.5 mm / max 98.8 mm
Maximum disc height	30 mm
Preconfigured for block holder support	
Preconfigured for premilled support	

TOOL MAGAZINE

Maximum tools in the machine	16
Maximum tool length	40 mm
Automatic tool change	with compressed air monitoring
Automatic tool length measurement and tool breakage monitoring with measuring sensor	

LIQUID COOLING SYSTEM FOR OPTION WET MACHINING

External module with pump and filters	16
Cooling liquid	Emulsion 1:19 (5% solution) pH value 9.5
Flow rate sensor for monitoring the cooling liquid circuit	

CONNECTIONS

Pneumatic connection	Quick-release fitting 6 mm
Supply connection	100 - 240 V CA, 50/60 Hz with glass fuse T6.3A L250V
USB port	
Connection for automatic switch-on control of suction unit	
Connection for liquid	Quick-release fitting 6 mm
Hose pipe attachment (Ø 45 mm) for suction unit	

MILLING MATERIALS (DRY ONLY)

PMMA, wax, zirconium, composites, CoCr, CoCr premilled, composite blocks, fibre

PRODUCTION

KAPPA5+

QUALITY
TECHNOLOGY

With the new Kappa5+, you obtain perfect milling results

You can process a wide range of materials and shapes (blanks up to 40 mm) thanks to the five axes. Revolutionary technology, such as DirectDisc support to secure the discs without using fastening screws and the integrated ioniser, will help you to achieve the highest quality results.

The special stable machine support structure, made using a solid cast body, guarantees first-class machining results.

With smart features, such as the 16-tool automatic changer or the integrated ioniser to neutralise electrostatic charges, the **Kappa5+** simplifies your workflow.

FOCUS



ABSOLUTE INDEPENDENCE

Unlimited availability of material in the form of 98-mm discs, separate supports available for blocks and abutments. Maximum variety of indications thanks to the rotation angle of $\pm 35^\circ$ in the 5th axis and blanks up to 40 mm thick. Ioniser and improved air circulation for easier machine cleaning. DirectDiscTechnology for revolutionary disc fastening. 16-tool automatic changer and perfectly balanced DentalCAM software included in the price



POWER AND STURDINESS

It mills the hardest materials on the market, including CoCr; powerful 500 watt spindle for 60,000 rpm. Sturdy industrial quality for maximum rigidity and solid cast body for minimum vibrations



The best of dry milling

5 AXES | 1 BLANK | 16 TOOLS

The continual development of our dental machines allows us to fulfil market demands by continuously creating perfect solutions for our customers. The new **Kappa5+** is fitted with the revolutionary **DirectDiscTechnology**.

Thanks to this tool-free locking system, which allows discs to be loaded simply and safely.

The **Kappa 5+** also has an integrated ioniser to neutralise the static charge of acrylic particles and enhanced air circulation in the work area significantly reduces the amount of time required to clean the machine.

The **Kappa5+** can machine the hardest materials, such as cobalt chrome, ensuring the highest precision and reliability for all machining operations.

Whatever you have in mind, the **Kappa5+** guarantees rapid workflows and provides the best support during the milling process.



Why choose the Kappa5+ milling machine?



- 🦷 It mills even the hardest materials
- 🦷 Precise
- 🦷 Reliable
- 🦷 Shorter cleaning time thanks to the ioniser
- 🦷 Simple and safe disc loading
- 🦷 Integrated network card
- 🦷 Webcam incorporated

KAPPA5+

QUALITY TECHNOLOGY



Kappa5+ 5 AXES

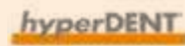
Code 88S-88K5

✓ VHF DENTAL CAM 7 Software

EURO **28,500.00**

Kappa5+ 5 AXES

✓ Software CAM Hyperdent Compact



EURO **28,900.00**

BASIC SYSTEM

Base support	Approx. 375 x 260 mm
Fully closed machine	approx. 450 x 545 x 630 mm
Fully open machine	approx. 450 x 695 x 680
Weight	91 Kg
Axis-driven mechanism	5
Rotation axis A	360°
Rotation axis B	± 35°
Milling chamber	<ul style="list-style-type: none"> > Lighting in the milling chamber with different colours to indicate the machine status > Webcam for video transmissions to customer service
Ambient temperature (storage/transport)	between 20°C and 60°C
Ambient temperature (operation)	between 10°C and 32°C
Relative air humidity	max. 80%, without condensate
An external compressed air supply is required	<ul style="list-style-type: none"> > Air pressure (min./max.): 6 bar / 8 bar > Recommended air pressure: approx. 7 bar > Air consumption: approx. 50 l / min at 6 bar, 64 l / min at 8 bar (ioniser disabled) > Air consumption: approx. 80 l / min at 6 bar, 102 l / min at 8 bar (ioniser enabled) > Air purity according to ISO 8573-1: 2010

An external air extraction system is required	<ul style="list-style-type: none"> > Minimum extraction capacity: 2,500 l / min at 220 hPa > The machine constantly monitors the extraction capacity
Minimum suction capacity	2.500 l / min at 220 hPa
The machine constantly monitors the suction capacity	

SFK 300P SPINDLE

Synchronous spindle	with speeds up to 60,000 rpm
Rated power in continuous operation (S1):	300 W
Rated power in uninterrupted continuous operation (S6)	450 W
Peak power (Pmax)	500 W
Hybrid ceramic ball bearings	
Ball bearings in 4 rows	
Pneumatic spindle with clamp with Ø 3 mm	
Cone cleaning	
Airtightness check	

DISC HOLDER SUPPORT

For assembling discs with ring and fastening screws	
Disc diameter	min 98.5 mm / max 98.8 mm
Maximum disc height	40 mm
Preconfigured for block holder support	
Preconfigured for premilled support	

TOOL MAGAZINE

Maximum tools in the machine	16
Maximum tool length	40 mm
Automatic tool change	with compressed air monitoring
Automatic tool length measurement and tool breakage monitoring with measuring sensor	

IONISER

To eliminate the static electricity of machining debris and faster cleaning

Ioniser nozzles	2
Deactivation/activation via software	Optional

CONNECTIONS

Pneumatic connection	6 mm plug-in fitting
Supply connection	100 - 240 V CA, 50/60 Hz with glass fuse T6.3A L250V
Port	Ethernet RJ-45 speed: 10BASE / 100BASE-TX / 1000BASE-T (automatic detection)
Connection for automatic switch-on control of suction unit	
Hose pipe attachment (Ø 45 mm) for suction unit	

MILLING MATERIALS (DRY ONLY)

PMMA, wax, zirconium, composites, CoCr, CoCr premilled, composite blocks, fibre

ESSE 5

HIGHLY VERSATILE DENTAL MILLING MACHINE

The **Esse 5** is a 5-axis dental milling machine which works both with a simultaneous movement and automatic changeover of 16 tool positions and automatic disc changeover of 8 positions.

Thanks to the second rotating axis (B axis) with a maximum rotation range of ± 30 degrees, the undercuts can be milled without any difficulty.

FOCUS



MAXIMUM PRECISION

Ultra-HD results and high-quality spindle with precision bearings, 600 watt power and 60,000 rpm. Repetition accuracy of 3 μ m



EXCELLENT STABILITY

Machining of all the most common materials, including CoCr, titanium and glass-ceramic with the option of wet grinding. Machine base in solid cast iron to minimise vibrations



MAXIMUM VERSATILITY

Thanks to the 8-position disc changeover, and optional module for wet grinding, the Esse5 is perfect for any type of machining.



HIGH RELIABILITY

Day and night operation; 100% developed and manufactured in Germany, it has a 24-month warranty



MAXIMUM PROFITABILITY

Automatic changeover for 8 discs or 24 blocks/ 48 prefabricated abutments; automatic changeover for 16 tools; very simple operation thanks to the DentalCAM software with DirectMill function included – no license fees



In addition to the fifth additional axis, the Esse 5 also has a new synchronous spindle which is even more powerful and precise, for the automatic changeover of 16 tools and the disc changeover of 8 discs.

In addition to the tools required on a case-by-case basis, it is also possible to fit the tool changer with replacement tools.

This means that you can carry on working without interruptions even when a tool is worn or breaks.

Esse 5 guarantees stability in a space-saving format.

5 AXES | 8 DISCS | 24 BLOCKS | 16 TOOLS

In order to create a solid base for the extremely precise 5-axis mechanics, the machine is produced in one solid piece.

This makes it **extremely stable, with a space-saving format**. Moreover, vibrations are minimised and the mechanical parts have excellent protection. The machine is preconfigured for connection to the wet milling option.

There are liquid nozzles already mounted on the spindle so that the coolant can reach the tool tip directly, allowing materials such as glass ceramic and titanium to be machined.

WHY CHOOSE ESSE 5?



- Five axes working simultaneously
- Continuous machining thanks to the 8-position disc changer
- Grinding option
- More efficiency and comfort
- Maximum precision
- High stability and reliability
- Maximum versatility
- Maximum profitability
- Neutralisation of electrostatic discharges of acrylic particles, thanks to three ionisers resulting in a cleaner work space at all times

ESSE 5

HIGHLY VERSATILE DENTAL MILLING MACHINE



<p>ESSE 5 5 AXES</p> <p>✓ Software CAM Hyperdent Compact</p> <p>hyperDENT</p> <p>EURO 39,000.00</p>	<p>ESSE 5 5 AXES</p> <p>✓ Software DENTAL CAM 7 VHF</p> <p>EURO 38,500.00</p>
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5 AXES MILLING MACHINE with automatic disc change without CAM software:

Cod. 88S-247604 EURO **35,500.00**

DENTALCAM SOFTWARE for VHF 5 AXES machines:

Cod. 88S-241998 EURO **3,000.00**

88CAM POWERED BY CIMSISTEM:

Cod. 88S-88CAM EURO **5,800.00**

KIT FOR WET MILLING of glass ceramic/disilicate

Cod. 88S-229931

The kit includes a station with a pump to manage the cooling liquid circuit, an adaptor for glass ceramic blanks and a CAM software extension.

EURO **3,950.00**

SPECIFIC BLANK HOLDER for wet milling

Cod. 88S-232326 EURO **175.00**

TECHNICAL DATA

Overall size	610 x 275 mm
Fully closed casing	692 x 445 x 540 mm
Minimum operating space required	1050 x 770 x 600

BASIC SYSTEM

Weight	106 Kg
Axes	5
Rotation Axes A / B	360° / ± 30°
Overvoltage category (IEC 60664-1)	II

EXTERNAL COMPRESSED AIR SUPPLY

Min/max air pressure	6 / 8 Bar
Recommended air pressure	7 Bar
Air consumption (approx.):	
> Wet machining	> 30/35 (at 6/8 bar)
> Wet machining	> 60/73 (at 6/8 bar)
Air purity (ISO 8573-1:2010)	> Solid particulates: class 3 > Water content: class 4 > Oil residue content: class 3

EXTERNAL AIR SUCTION SYSTEM

Minimum suction capacity	3,000 (at 220 hPa)
Suction unit	> Designed for commercial use in the dental sector > Fitted with an M class filtration filter

AMBIENT CONDITIONS

Relative air humidity	80%, without condensate
Ambient temperature for storage/transport	-20°C / 60°C
Ambient temperature	10°C / 35°C
Position type	Indoors
Maximum altitude	2000 m
Ambient air (IEC 60664-1)	Dust-free, pollution degree 2

SPINDLE

Model	SFS 300P (synchronous)
Maximum rpm	60,000 rpm
Rated power in continuous operation (S1)	300 W
Rated power in uninterrupted periodic operation (S2)	450 W
Peak power (Pmax):	600 W
Fastening clamp diameter	3 mm

TOOL LOADER

Max number of tools in magazine	16
Max tool length	40 mm

ESSE 5

HIGHLY VERSATILE DENTAL MILLING MACHINE

STANDARD TOOL HOLDER

Min. / max. disc diameter	98.3 / 98.7 mm
Maximum disc height	30
Min. / max. height disc edge	10 / 10.5 mm

COOLING SYSTEM

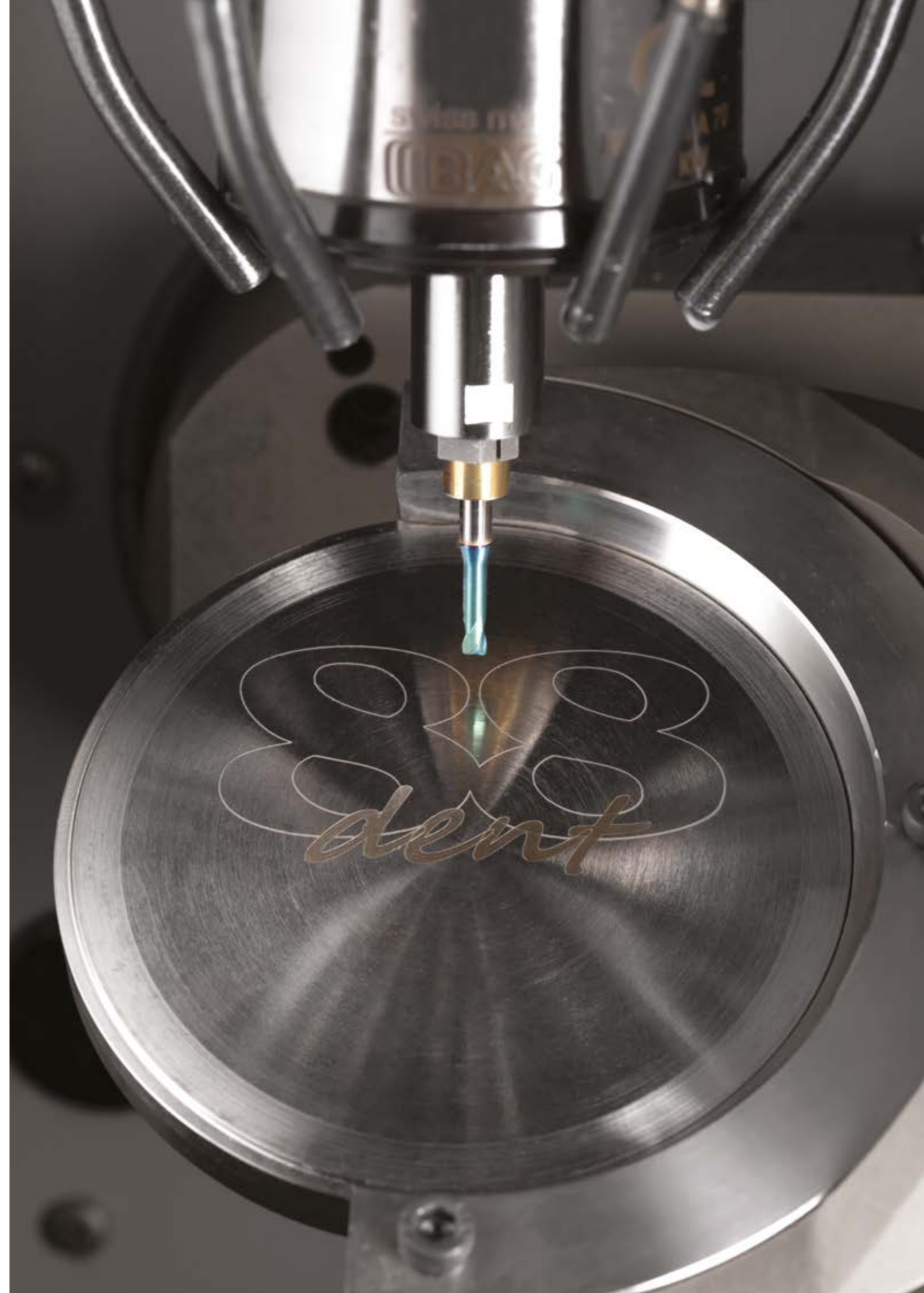
Prepared for wet machining	Prepared for wet machining
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BLANK LOADER

Number of slots	8
Assembly method	Frames for blanks required (8 supplied)


CONNECTIONS

Compressed air connection, quick-release fitting (diameter)	6 mm
Supply connection	> 100 – 240 V CA > 50/60 Hz > 750 W Glass fuse T6.3A L250V
USB port	2.0 B
Data port for suction unit or manoeuvring unit supported	2.0 B
Pipe connection for external air extraction system (diameter)	45 mm



MILLING MACHINE ACCESSORIES

TOOLS FOR 4/5 AXIS MILLING MACHINES

MATERIALS	CUTTING EDGE SHAPES
<p>C - COMPOSITE</p> <p>G - GLASS-CERAMIC</p> <p>M - NON-PRECIOUS ALLOYS: <i>Co-Cr and Titanium</i></p> <p>P - WAX/PLASTIC (PMMA)</p> <p>U - UNIVERSAL</p> <p>Z - ZIRCONIA</p>	 <p>R - RADIUS F - FLAT T - TORUS</p>

Tools for 4-axis milling machine



UNIVERSAL TOOLS	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.30 mm	88S-U030-R2-35	EURO 37,00
Flat grinded double tooth cutter	0.50 mm	88S-U050-F2-35	EURO 37,00
Double-toothed radius cutter	0.60 mm	88S-U060-R2-35	EURO 37,00
Flat grinded double tooth cutter	1.20 mm	88S-U120-F2-35	EURO 37,00

Universal tools are recommended for machining wax, plastic, zirconia and composites

PMMA TOOLS WAX SILVER STOP RING	DIAMETER	CODE	PRICE
Single-toothed radius cutter	1.0 mm	88S-P100-R1-35	EURO 29,00
Double-toothed radius cutter	1.0 mm	88S-P100-R2-35	EURO 29,00
Double-toothed radius cutter	2.0 mm	88S-P200-R2-35	EURO 29,00
Flat grinded single tooth cutter	2.5 mm	88S-P250-F1-35	EURO 29,00

TOOLS WITH SPECIAL COATING/ZIRCONIA LIGHT BLUE STOP RING	DIAMETER	CODE	PRICE
Double-toothed radius cutter	1.0 mm	88S-Z100-R2-35	EURO 35,00
Triple-toothed radius cutter	2.0 mm	88S-Z200-R3-35	EURO 35,00

DIAMOND-COATED TOOLS



In exclusive for **88mill** "ANNIVERSARY EDITION"

ZIRCONIA TOOLS DARK BLUE RING STOP	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.6 mm	88S-Z060-R2D-35	EURO 78,00
Double-toothed radius cutter	1.0 mm	88S-Z100-R2D-35	EURO 78,00
Triple-toothed radius cutter	2.0 mm	88S-Z200-R3D-35	EURO 78,00
Flat grinded double tooth cutter	1.2 mm	88S-Z120-F2D-35	EURO 78,00

TOOLS WITH SPECIAL COATING

NANOCOMPOSITE YELLOW STOP RING	DIAMETER	CODE	PRICE
Double-toothed	1.0 mm	88S-C100-R2-35	EURO 35,00
Double-toothed radius cutter	2.0 mm	88S-C200-R2-35	EURO 35,00

CO-CR ALLOYS RED STOP RING	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.6 mm	88S-M060-R2-32	EURO 35,00
Double-toothed radius cutter	1.0 mm	88S-M100-R2-32	EURO 35,00
Four-tooth radius cutter*	2.0 mm	88S-M200-R4-32	EURO 45,00
Double-toothed torus cutter*	1.2 mm	88S-M120-T2-32	EURO 35,00

*replaces M200-R2-32

*the double-toothed torus cutter has an edge radius of 0.1 mm



MILLING MACHINE ACCESSORIES

TOOLS FOR 4/5 AXIS MILLING MACHINES

DIAMOND-COATED TOOLS FOR GLASS CERAMIC BLACK STOP RING	DIAMETER	CODE	PRICE
Radius grinding tool for glass ceramic	0.6 mm	88S-G060-R-35	EURO 37,00
Radius grinding tool for glass ceramic	1.0 mm	88S-G100-R-35	EURO 37,00
Torus grinding tool for glass ceramic	0.6 mm	88S-G060-T-35	EURO 37,00
Torus grinding tool for glass ceramic	1.2 mm	88S-G120-T-35	EURO 37,00
Radius grinding tool for glass ceramic*	2.4 mm	88S-G240-R-35	EURO 37,00

CUTTERS FOR SUM3D UNIVERSAL-PMMA, ZIRCONIA-SPECIAL USERS	DIAMETER	CODE	PRICE
Spherical in VHM	3.0 mm	88S-USMDD3	EURO 30.00
Lollipop	2.0 mm	88S-USLA	EURO 75.00

*replaces G260-T-35 cam VHF above vers. 6.X

Tools for 5-axis milling machine

For 88MILL Five, 88Mill Five S, 88Erre5 milling machines



UNIVERSAL TOOLS	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.3 mm	88S-U030-R2-40	EURO 37,00
Flat grinded double tooth cutter	0.5 mm	88S-U050-F2-40	EURO 37,00
Double-toothed radius cutter	0.6 mm	88S-U060-R2-40	EURO 37,00
Flat grinded double tooth cutter	1.2 mm	88S-U120-F2-40	EURO 37,00

TOOLS WITH SPECIAL COATING ZIRCONIA LIGHT BLUE STOP RING	DIAMETER	CODE	PRICE
Double-toothed radius cutter	1.0 mm	88S-Z100-R2-40	EURO 35,00
Triple-toothed radius cutter	2.0 mm	88S-Z200-R3-40	EURO 35,00

CUTTING EDGE TOOLS PRICE PMMA / WAX SILVER STOP RING	DIAMETER	CODE	PRICE
Single-toothed radius cutter	1.0 mm	88S-P100-R1-40	EURO 26.00
Double-toothed radius cutter	1.0 mm	88S-P100-R2-40	EURO 26.00
Double-toothed radius cutter	2.0 mm	88S-P200-R2-40	EURO 26.00
Single-toothed radius cutter	2.0 mm	88S-P200-R1-40	EURO 26.00
Flat grinded single tooth cutter	2.5 mm	88S-P250-F1-40	EURO 26.00

NEW PRODUCT: IMPROVED FINISH + DURATION



DIAMOND TOOLS FOR ZIRCONIA	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.6 mm	88S-Z060-R2D-40	EURO 78.00
Double-toothed radius cutter	1.0 mm	88S-Z100-R2D-40	EURO 78.00
Triple-toothed radius cutter	2.0 mm	88S-Z200-R3D-40	EURO 78.00
Flat grinded double tooth cutter	1.2 mm	88S-Z120-F2D-40	EURO 78.00

TOOLS WITH SPECIAL COATING NANOCOMPOSITE ORANGE STOP RING	DIAMETER	CODE	PRICE
Double-toothed radius cutter	1.0 mm	88S-C100-R2-40	EURO 35,00
Double-toothed radius cutter	2.0 mm	88S-C200-R2-40	EURO 35,00

TOOLS FOR CO-CR AND TITANIUM ALLOYS RED RING STOP	DIAMETER	CODE	PRICE
Double-toothed radius cutter	0.6 mm	88S-M060-R2-35	EURO 35,00
Double-toothed radius cutter	1.0 mm	88S-M100-R2-35	EURO 35,00
Four-tooth radius cutter*	2.0 mm	88S-M200-R4-35	EURO 45,00
Double-toothed torus cutter*	1.2 mm	88S-M120-T2-35	EURO 35,00

*replaces M200-R2-35

DIAMOND-COATED TOOLS FOR GLASS-CERAMIC BLACK RING STOP	DIAMETER	CODE	PRICE
Radius grinding tool for glass ceramic	0.6 mm	88S-G060-R-35	EURO 37,00
Radius grinding tool for glass ceramic	1.0 mm	88S-G100-R-35	EURO 37,00
Torus grinding tool for glass ceramic	0.6 mm	88S-G060-T-35	EURO 37,00
Torus grinding tool for glass ceramic	1.2 mm	88S-G120-T-35	EURO 37,00
Radius grinding tool for glass ceramic	2.4 mm	88S-G240-R-35	EURO 37,00

CAM SOFTWARE

VHF DENTALCAM SOFTWARE WITH CLEAR AND SIMPLE USER INTERFACE

DentalCAM

The dental software, **DentalCAM**, is a powerful software package which allows you to import all the commonly used CAD programs with its open STL import function and uses CAM strategies optimised for ultra-fast processing.

DentalCAM is ideal for all vhf dental milling machines to guaranteed reliable, first-class results. No previous knowledge required.

FOCUS



EXCELLENT USE OF MATERIAL WITH HANDY POSITIONING TOOLS

The positioning tools help to make the best use of the blank and simplify the configuration process or modification of bars, drops and sintering guides. The bars can also be reduced or completely removed after the piece has been milled which significantly reduces re-machining. 3D nesting allows you to accurately align your workpiece.



THREE-DIMENSIONAL DISPLAY

Offers even more convenience, options and enjoyment when using the software.



TIME SAVING WITH THE DIRECT MILL FUNCTION

While the milling paths are still being calculated for other objects or finishing paths, the machine already starts the

roughing process thanks to the Direct Mill function. With DentalCAM, you can start milling immediately without delay. The entire calculation of the path of the various instruments is completely automatic and highly streamlined. The program can be accessed throughout the machining calculation and you can continue your work during the entire process.



CONVENIENT MATERIAL SELECTION

New blanks can be created or conveniently selected via the materials archive which features search functions and filters, as well as preview images, allowing you to find a suitable used blank more quickly. The vhf dental software helps you save precious time and allows the efficient use of your workpieces.



Organised intelligently with specialised strategies for all types of objects.

The machining strategies are adapted to all the indications while adaptation divergences, holes, preparation lines and undercuts are automatically detected. The four- or five-axis path calculation ensures maximum accessibility of undercuts. In addition, the angled screw channels are supported during implant work; cavities and holes can be checked in advance and manually machined if necessary.

Clear and simple user interface

Thanks to the structured user guide, no previous knowledge is required: the software uses self-explanatory icons and your work can be rotated using the scrolling wheel.

All the data detected on the blanks, clamping devices and tools are stored in the CAM software.

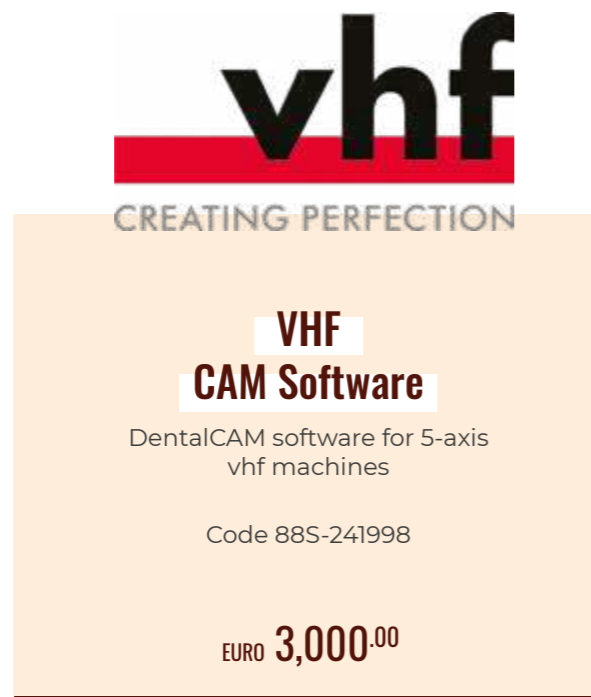
WHY CHOOSE DentalCAM?



- Dental software for efficient production
- Convenient work - with no complicated operations
- Highly intuitive
- Stress-free machining of all materials
- Time saving

CAM SOFTWARE

VHF DENTALCAM SOFTWARE
WITH CLEAR AND SIMPLE USER INTERFACE



vhf
CREATING PERFECTION

**VHF
CAM Software**

DentalCAM software for 5-axis
vhf machines

Code 88S-241998

EURO **3,000.00**

THE VHF CAM SOFTWARE CAN BE USED IN ANY DENTAL LABORATORY AND DOES NOT ENTAIL ANNUAL UPGRADE FEES.

But the best news is that we provide our DentalCAM software free with every machine - a genuine plus compared to other CAM suppliers. Moreover, DentalCAM users receive regular updates, so they are always up-to-date on the latest developments.

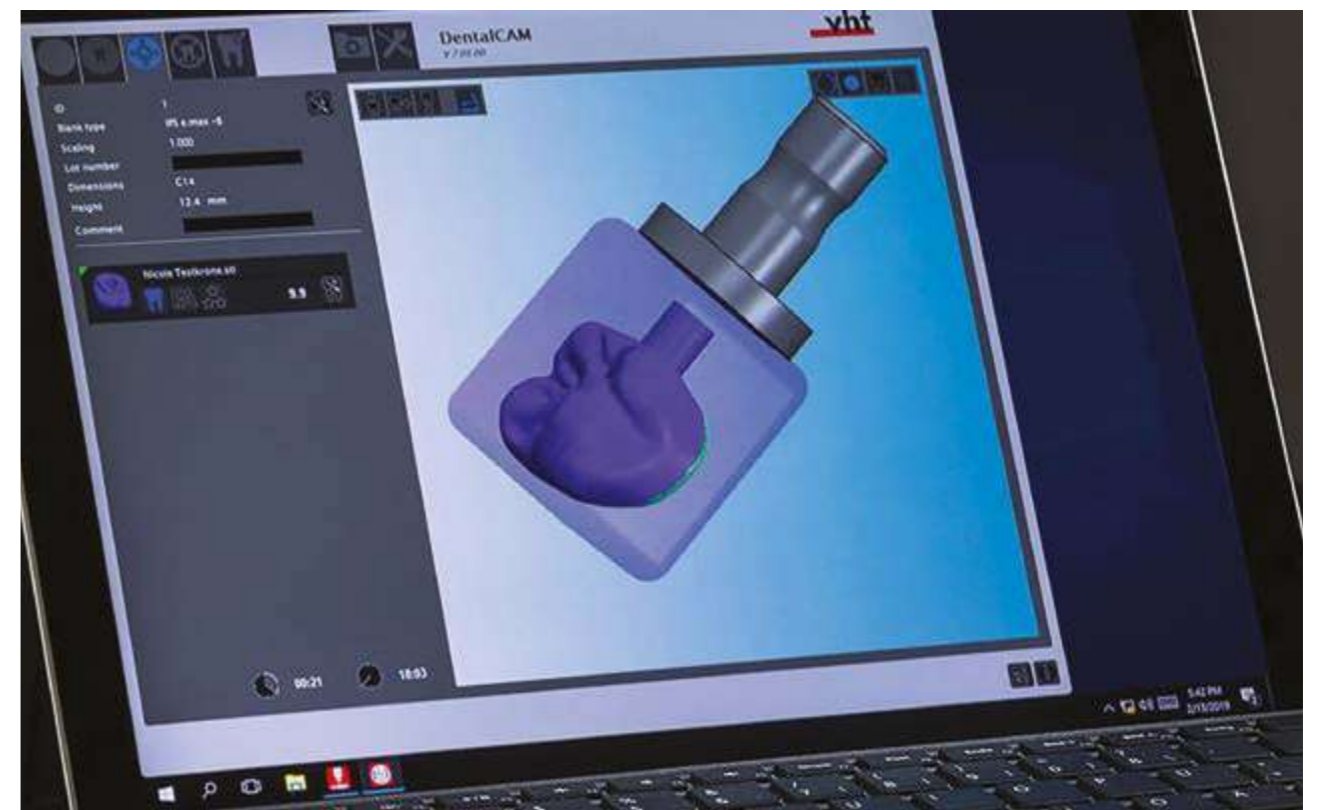
This makes your entry into digital production as painless as possible!

Stress-free machining of CoCr, glass ceramic and titanium

Thanks to the corresponding machining strategies, the CAM software can be used for the milling of cobalt-chrome and titanium materials, as well as for grinding thin glass ceramic.

CPU

CPU	Minimum: Intel® i5 or equivalent Recommended: Intel® i7 or equivalent
Graphic coprocessor	Minimum: Internal with 300 MHz Recommended: Dedicated with 600 MHz
Operating system	125 GB of free space for data > Minimum: hard disk > Recommended: SSD
RAM:	Minimum: 8 GB Recommended: 16 GB
Screen resolution: 1920 x 1080 (Full HD)	1920 x 1080 (Full HD)
Permanent internet connection	Permanent



SOFTWARE CAM

88CAM POWERED BY CIMSYSTEM SIMPLIFIES THE PROCESS OF CREATING TOOLPATHS



88Cam powered by CIMsystem

88Cam powered by CIMsystem is the *dental CAM solution* developed for milling any type of material and object. Featuring a simple, innovative and attractive user interface, it simplifies the process of creating toolpaths.

88Cam powered by CIMsystem is the solution designed specifically for dental laboratories, milling centres and any dental operator that requires simple, reliable tools that can provide high performance in reduced time and run the desired machining operations in just a few simple steps.

88Cam powered by CIMsystem includes specific tools for increased productivity and artificial intelligence to save your time day after day.

88Cam powered by CIMsystem can manage any kind of machine tool on the market.

All post-processors in MillBox are included in the software supply.

Post-Processor are the translators of the tool-paths calculated in the CAM program specific for each kind of numeric control machine. The syntax, the use of specific functions and the reliability of the post-processor are highly important this is why we take care of keeping those always up-to-date as well as constantly increase software capabilities.

FOCUS



USER-FRIENDLY AND INNOVATIVE INTERFACE

Thanks to 88Cam's interactivity, you'll be able to make objects in an automated way and quickly learn new features.



UNLIMITED D POSSIBILITIES

È It is completely open and full of ready-to-use customizable libraries (premilled, blanks, implant connections, etc.).

88Cam powered by CIMsystem is able to work any kind of object, it is compatible with all types of machines and tools, and it's also already integrated with the latest additive technologies.



INTUITIVE, DIGITALIZED, SCALABLE. IN A SINGLE WORD: COMPLETE!

Thanks to its fullness and simplicity, **88Cam powered by CIMsystem** allows you to perform hard machinings in a short time. Optimize manufacturing and get high value objects in few steps!

WHY CHOOSE 88CAM powered by CIMsystem?



- 🦷 It is an open software compatible with any machine and integrated with any system
- 🦷 It is cost effective due to the minimum learning time required and the reduced consumption of materials and tool
- 🦷 It is extremely flexible because of its multiple configurations available and the ability to adapt to any productivity level
- 🦷 It is innovative, it is constantly updated according to customers', technology and market needs

SOFTWARE CAM

88CAM POWERED BY CIMSISTEM SIMPLIFIES THE PROCESS OF CREATING TOOLPATHS



88CAM
powered by **CIMsystem**
(including 1 year of maintenance)

All-in-one Package including the following add-ons

- ✓ COMFORT
- ✓ PREMILLED
- ✓ WET MILLING (glass ceramic)

EURO 5,800.00

MAINTENANCE AFTER 1 YEAR

EURO 1,000.00

MULTIMACHINE FOR SECOND VHF MACHINE

INCLUDED

MULTIMACHINE FOR SECOND MACHINE NO VHF

ON REQUEST

HARDWARE REQUIREMENTS

Intel or AMD processor <i>(Intel I7 recommended)</i>	> RAM memory 4/8 Gb > HDD 500 Gb or more > Graphics Nvidia GeForce GT/GTX	> <i>Recommended 8 Gb</i> > <i>Recommended 1TB or 500GB SSD</i> > <i>Recommended GTX 2GB</i>
Monitor	> 21" - 24"	> <i>Recommended: 24"</i>
Operating System	> Windows 7™ 32/64 bit > Windows 8™/8.1™ 64 bit > Windows 10™ 64 bit	> <i>Windows 10™ 64 bit recommended</i>



VACUUM SUCTION SYSTEMS

DEVICES FOR PUMPING
CLEAN AIR BACK INTO THE WORKPLACE



When a suction unit is not used, the legal limits in the dental laboratory exceed those for most dust values.

The Zubler Z1 CAM suction unit system for CAM milling machines protects the dental technician's health when performing milling and sanding work.

According to statistics, lung and skin diseases related to the profession are much more commonplace than the average in the other sectors of precision mechanics; also dental plaster, veneers and mixed powders are very harmful to the skin and respiratory system.

By using a modern and powerful suction unit system, it is possible to reduce the dust load and significantly improve working conditions.

In the **Z1 ECO** and **Z1 CAM** series suction unit systems, the new **Smart Drive** control is used for carbon brush motors.

This technology guarantees operation of the motor for 1500 hours without changing the carbon brushes. The prolonged durability can also be significantly increased by the option of changing the carbon brushes.

Suction Unit systems with GS-IFA-M20 testing certification are devices that pump clean air back into the workplace, listed by the German trade association against accidents in the workplace. They can be used for all the types of dust in the dental laboratory, including Co/Cr alloys.

In compliance with the TRGS 561 (10/2017) standard and thanks to the technological quality in the filter and suction performance, Z1 Suction Unit can be used in dental laboratories without the need to demonstrate the residual dust concentration using complex measurements.

The prerequisite for this is the use of funnels and suction, tested and synchronised according to the GS-IFA-M20 standard.

In order to make the maintenance of your Z1 suction system simple and cost-efficient, it has been designed so that no tools are needed to change the filter, motor and brushes. It is possible to quickly replace these elements in a few steps.

Z1 ECO is a valid alternative to systems with dust-collection containers which have to be emptied.

The **Z1 ECO** and **Z1 CAM** models are suitable for a wide range of applications, thanks to their **large filtration bags**. They have an **11-litre capacity** which is the largest in the dental field for single suction units.

The dust collection bag of these machines is housed in a drum which optimises the filling capability and improves the power of the suction system in the workplace or of the equipment. The filter bags, once removed, can be hermetically sealed with a label and consequently, are simple to dispose of, with no dust dispersion.

The **Zubler Z1 ECO** suction system for workstations is compatible with **CAD/CAM** milling systems, and includes a power socket to interface with the leading brands of micromotors on the market.

The filtering system has a minimum guaranteed duration of the brushless motor of 2,000 working hours. It works with filter bags and the replacement of the filter and motor can be done without tools.

It also features a **Bluetooth interface for individual Android-APP settings**.

The internal climate will be healthier, the laboratory will be cleaner.

ZUBLER EXTRACTION TECHNOLOGY APP



To check if your suction system is working correctly, the information about the status of the individual components is very important.

By using the Zubler Extraction Technology APP and a Bluetooth connection to the machine, it is possible to view important information, such as the effective operating time of the motor, the filter status or current volume of air in the Z1e unit. If necessary, adjust them.

Of course, you have the option to enter the parameters directly on the device without the Zubler APP.

ZUBLER Z1 CAM

SINGLE STATION SUCTION SYSTEMS UNIT FOR CAM MILLING MACHINES

Latest-generation single vacuum unit

The **Zubler Z1 CAM** suction unit system for single workstations is compatible with CAM milling systems.

The filtering system works with filter bags and the motor life is guaranteed for 1,500 hours.

It also has an interface for milling machines and devices with 24V/PLC outlet and Bluetooth interface for individual Android-APP settings. The adapter for the exhaust air to the outside, the H14 exhaust air filter for category H dust and the activated carbon exhaust air filter are optional.

The internal climate will be healthier; the laboratory will be cleaner.

FOCUS



ADJUSTABLE

Z1 allows you to adjust the suction power



COMPACT

Narrow turret housing with ample filtering volume



HIGH FILTERING POWER

3-filter system with filtering bag, ultra-filtering and availability of active carbon filters



SIMPLE MAINTENANCE

Front access for maintenance of the filter via a special compartment



SILENT

Extremely low noise levels thanks to high soundproofing



WHY CHOOSE ZUBLER Z1 CAM?

- 🦷 Z1 CAM single suction unit
- 🦷 1200 W suction power with dust collection bag
- 🦷 Filter bag for Z1 with internal lining
- 🦷 Carbon brushes
- 🦷 Single suction unit with low noise levels for CAD CAM milling machines with 24V socket



ZUBLER Z1 CAM PRO

SINGLE STATION SUCTION SYSTEMS FOR CAM MILLING MACHINES

Zubler Z1 CAM PRO suction unit with permanent filtering system (drawer) for workplaces and dust-generating equipment, suitable for long periods of work with high dust formation.

The **Z1 CAM PRO** professional model has a permanent filtering system with 2 ultra-fine filtering cartridges, instead of a filter bag. The cartridges are cleaned independently at regular intervals. The dust which falls is collected in a container.

Disposal with very low dust formation is done via a waste container fitted with a drawstring for closure.

The periodic cleaning of the two Z1 filter cartridges is carried out automatically thanks to the smart system control. It has been demonstrated that high cleaning efficiency can only be achieved by using two filters, thus avoiding the need to wait for the tool changeover or reduce the suction power for this work phase.

The PRO series models are designed for extended periods of work with high dust formation.



Z1 CAM PRO
with 2 filter cartridges

Code 88S-821044

EURO **2,539.00**

FOCUS



FILTERING

Permanent filtering system



HIGH STORAGE CAPACITY

Featuring a dust collection container



AUTOMATIC CLEANING

Automatic filter cleaning







RELIABLE

Suitable for extended periods of work



WHY CHOOSE ZUBLER Z1 CAM PRO?



-  Wide range of applications
-  High efficiency thanks to the two filters
-  Automatic periodic cleaning system of the two filter cartridges
-  Easy disposal of dust via of a container with a drawstring

ZUBLER Z1 ECO

SINGLE STATION SUCTION SYSTEMS FOR DENTAL LABORATORIES

Latest-generation suction unit with bag filter for workstations and dust-generating devices.

When a suction systems is not used, the legal limits in the dental laboratory exceed those for most dust values.

The **ZublerZ1 ECO** suction system, specifically for workstations, protects the health of the dental technician when milling and sanding.



FOCUS



SILENT

Single, low noise suction unit



ADJUSTABLE POWER

Adjustable suction power. Flow rate adjustment



COMPACT AND RELIABLE

Narrow turret housing with ample filtering volume, 3-filter system with filtering bag, ultra-filtering cartridge and availability of active carbon filters



SIMPLIFIED MAINTENANCE

Front access for filter maintenance via a specific compartment



WHY CHOOSE ZUBLER Z1 ECO?



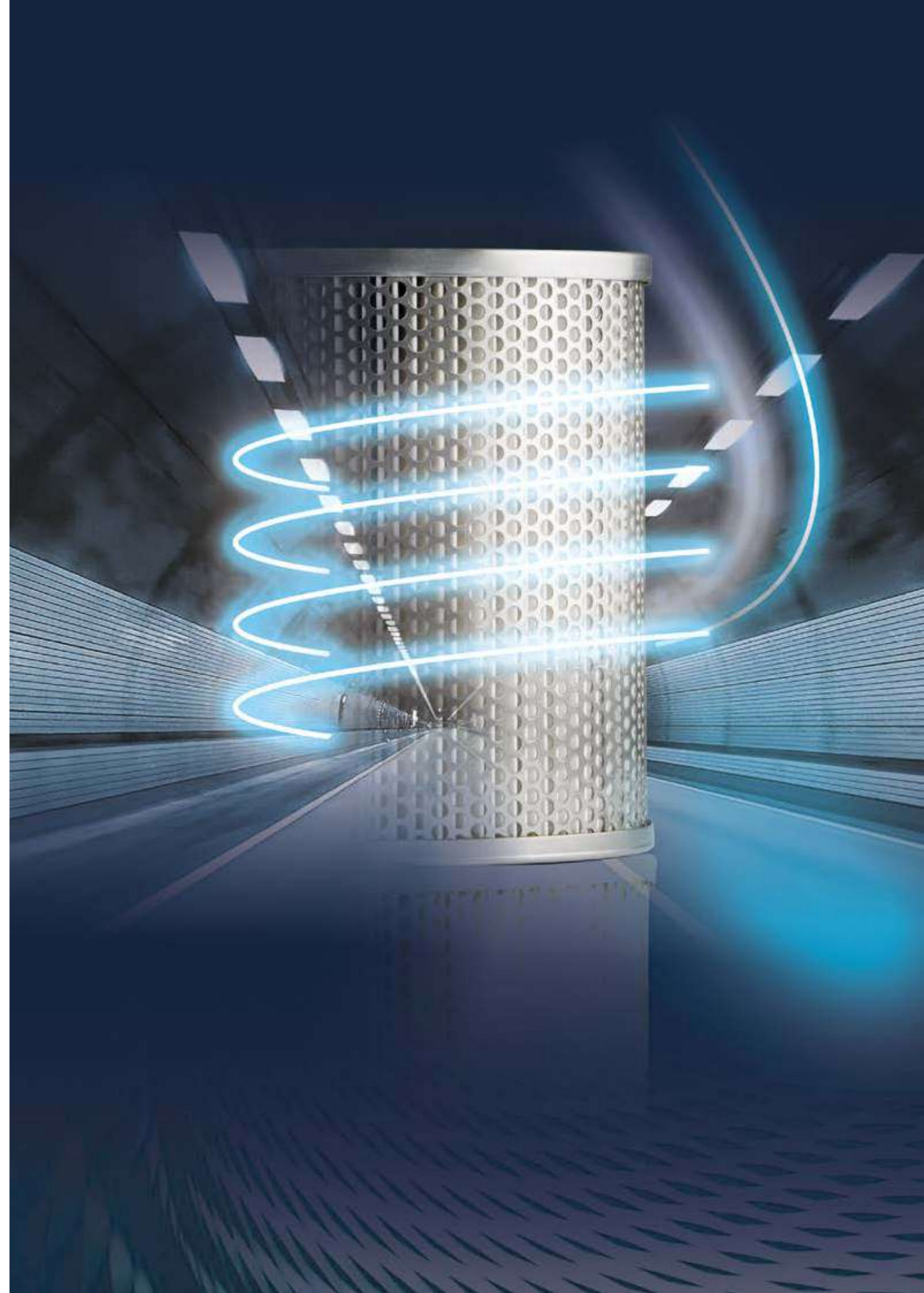
- Silent
- Wide range of applications
- High efficiency thanks to the two filters
- Automatic periodic cleaning system of the two filter cartridges
- Easy disposal of dust via of a container with a drawstring

ZUBLER Z1

SINGLE STATION SUCTION SYSTEMS FOR CAM MILLING MACHINES

Accessories for Z1 single suction unit

FILTER BAG with internal lining - 1PC Code 88S-040	EURO	50.00
FILTER BAG with internal lining - 3PCS Code 88S-040P	EURO	129.00
CARBON BRUSHES - 2PCS Code 88S-896-1101	EURO	38.00
MOTOR for Z1 CAM Code 88S-8961104	EURO	239.00
EXTERNAL CONTROL DEVICE Suction device		ON REQUEST
ACTIVATED CARBON REFILL Z1 Code 88S-5560056	EURO	41.00
CABLE Z1 for 88MILS1-S2-K4 MILLING MACHINE Code 88S-82525610	EURO	42.00
CABLE Z1 for 88MILL S 5AX MILLING MACHINE Code 88S-82525611	EURO	55.00
CABLE Z1 for AMANN MOTION 2 MILLING MACHINE Code 88S-8961104	EURO	42.00



NEW CARAT

PISTON COMPRESSOR SPECIFICALLY FOR MILLING MACHINES

Since 1977, FIAC dry compressors have been the benchmark for the production of clean air, free from oily residues, waste and condensate.

Thanks to the materials and technology used, FIAC dry compressors fulfil the crucial requirements of sophisticated equipment where dry, clean and residue-free air are essential, in addition to the need for silence, especially when installed near the equipment being used.

NEW CARAT compressor

Self-lubricating piston compressor for dental use. Oil-free operation, low noise, air treatment, tanks with internal coating.

Silent, with a noise level of only 62 dB, it allows ultra-dry air to be produced, free of impurities, ideal for dental and orthodontic operations.

TECHNICAL DATA

I	24
l/min (Intake air/Air displ.)	250
CFM (Intake air/air displ.)	8.8
m37h (Intake/Air disp.)	15
l/min (Air delivery/F.A.D.)	188
CFM (Air delivery/F.A.D.)	6.6
m37h (Air delivery/F.A.D.)	11.3
BAR	8
PSI	116
HP	2.5
Grup# / Pump	VS254
min-1	1450
db (A)	62
LxDxH_mm/In	490x700x930 19x27.3x36.3
kg/lb	110/242.5
Volt/HZ/ph	230/50/1



NEW CARAT





Self-lubricating piston compressor

Code 88S-NEWCARAT





EURO 2,700.00

FOCUS

-  AIR FILTER IN SHOCKPROOF MATERIAL
-  CYLINDER WITH WIDE FINS
-  CHEMICALLY TREATED ANTIOXIDANT ROD
-  GUIDE PADS IN SELF-LUBRICATING MATERIAL
-  SPECIAL LARGE-SIZE BEARINGS
-  ELECTRIC MOTOR IN CASING WITH THERMAL PROTECTION

-  FORCED VENTILATION THROUGH CENTRIFUGAL COOLING ELECTRIC FAN
-  SHOCKPROOF CASING
-  ABSORPTION OR MAINTENANCE-FREE MEMBRANE DRYER
-  HOUR COUNTER

WHY CHOOSE NEW CARAT?

-  Sturdy
-  Silent
-  Oil-free operation
-  Efficient



COMPACT 2 SPECIAL

SCREW COMPRESSOR SPECIFICALLY FOR MILLING MACHINES

Screw compressor with the smallest pumping unit on the market

Thanks to the **k-tronic 5** electronic controller, it has all the typical functions of larger machines, controlling the empty load cycles automatically **Compact 2 is, in fact, a compact and high-performing system**: the advantages of an industrial compressor in a small space. The **Compact** integrated screw unit consists of a latest generation screw pumping unit, the most compact in the sector, integrating the fundamental components of a screw compressor (screw, oil separator, thermostatic valve, minimum valve, suction valve) , **innovative in the selection of materials, a steel core in an aluminium body**



COMPACT 2 SPECIAL

Screw compressor

Code 88S-COMPACT2

EURO 3,900.00

TECHNICAL DATA





Motor power	Kw 2.2 - 3HP
Maximum pressure	10 bar
Air delivery	270 l/min
Standard tank	90
Including refrigeration cycle dryer and battery of filters	
Weight	80 Kg
Dimensions (LxDxH)	1160x440x880 mm

FOCUS

-  **K-TRONIC 5 ELECTRONIC CONTROLLER**
-  **LATEST-GENERATION "MADE IN ITALY" ELECTRIC MOTOR**
-  **SILENT AND EFFICIENT FAN**
-  **DIRECT, MAINTENANCE-FREE TRANSMISSION**
-  **ACCESS HATCH FOR FAST MAINTENANCE**
-  **OIL HEAT EXCHANGER**



WHY CHOOSE COMPACT 2?

-  Silent
-  Sturdy
-  High performance
-  Compact



CAD CAM CONSUMABLES

DISCS AND CONSUMABLE MATERIALS



88Dent offers a wide choice of materials based on the machines used and the type of machining desired.

The base of the **digital workflow** is to succeed in obtaining excellent, repeatable results via a process that transits through complementary and synergic steps.

Machinery and software play a very important role, but the consumables used will also be an important element for the success of a highly professional process.

For its range of milling machines, **88dent** offers a wide range of milling products selected with experience and a focus on user requirements.



DESCRIPTION	THICKNESS	ARTICLE CODE	PRICE	
PU (Polyurethane)				
**Diameter 98 mm without/collar 10 mm	10mm	88z-pud-10	EURO	27,00
Diameter 98 mm w/collar 10 mm	12 mm	88z-pud-12	EURO	27,00
Diameter 98 mm w/collar 10 mm	14 mm	88z-pud-14	EURO	27,00
Diameter 98 mm w/collar 10 mm	16 mm	88z-pud-16	EURO	27,00
Diameter 98 mm w/collar 10 mm	18 mm	88z-pud-18	EURO	27,00
Diameter 98 mm w/collar 10 mm	20 mm	88z-pud-20	EURO	27,00
Diameter 98 mm w/collar 10 mm	22 mm	88z-pud-22	EURO	27,00
** Diameter 98 mm w/collar 10 mm	25 mm	88z-pud-25	EURO	27,00
KIT OF 5 DISCS (one thickness)		88z-pukit5	EURO	110,00

DESCRIPTION	ARTICLE CODE	PRICE	
WAX			
Blue wax for milling diameter 98mm th. 10 mm w/collar 10 mm	88Z-C9810-BL	EURO	20,00
Blue wax for milling diameter 98 mm th. 14 mm w/collar 10 mm	88Z-C9814-BL	EURO	22,00
Blue wax for milling diameter 98mm th. 18 mm w/collar 10 mm	88Z-C9818-BL	EURO	27,00
Blue wax for milling diameter 98mm th. 25 mm w/collar 10 mm	88Z-C9825-BL	EURO	37,00



PRODUCTION

CAD CAM CONSUMABLES

DISCS AND CONSUMABLE MATERIALS



Special technopolymers for CAD-CAM



CAM RX DISCS IN PMMA RADIOPAQUE BASE MATERIAL
Code 88Z-752H18R

EURO **68.00**

Indications; surgical guides
Diameter 98 mm th. 18 mm w/collar 10 mm

M.H.C. LINE MILLABLE HYBRID COMPOSITE NEW

SINGLE-COLOUR LIGHT A1/B1
ON REQUEST

EURO **145.00**

Diameter 98 mm th. 20 mm w/collar 10 mm - Indications: Crowns, Bridges, Toronto Bridge

SINGLE-COLOUR MIDDLE A2/B2
ON REQUEST

EURO **145.00**

Diameter 98 mm th. 20 mm w/collar 10 mm

TWO-COLOUR LM A1/B1+A2/B2
ON REQUEST

EURO **185.00**

Diameter 98 mm th. 20 mm w/collar 10 mm

TWO-COLOUR LP A1/B1+PINK
ON REQUEST

EURO **185.00**

Diameter 98 mm th. 25 mm w/collar 10 mm

MULTILAYER A2/A3/B2/C2
ON REQUEST

EURO **195.00**

Diameter 98 mm th. 20 mm w/collar 10 mm



TSM ACETAL

EURO **74.00**

Diam 98mm with collar 10 mm.
Indications: Temporary bridges, reinforcement structures with possibility of joining with resin or PMMA-based composite. Thermoplastic technopolymer with excellent mechanical resistance to impact and abrasion.

Colours available:

- > **A2 (Code 88Z-5539820)** thickness 20 mm.
- > **A3 (Code 88Z-5549820)** thickness 20 mm.



SMILE PEEK

Features: excellent flex resistance
Indications: Substructures, Bars, Scan abutments

Single colour. Available:

- > **Light Beige (Code 88Z-7209814)** EURO **116.00**
Disc diameter 98 with collar 10 mm thickness 14 mm
- > **Light Beige (Code 88Z-7209816)** EURO **128.00**
Disc diameter 98 with collar 10 mm thickness 16 mm
- > **Light Beige (Code 88Z-7209820)** EURO **156.00**
Disc diameter 98 with collar 10 mm thickness 20 mm



PLASTIC STEEL

Code 88Z-7029815

EURO **120.00**

Disc diameter 98 thickness 15/16 mm.
Fibre-reinforced technopolymer. Features: excellent resistance to flexion. Indications: substructures and/or die pins, Single colour

CONSUMABLES

DISCS AND CONSUMABLE MATERIALS

Discs for CAD-CAM



88VERA



Composite in discs for CAD-CAM for production of finished work.
Colours available: **A2, A3 and A4**

Diameter 98 mm th. 16 mm w/collar 10 mm EURO **165.00**

Diameter 98 mm th. 20 mm w/collar 10 mm EURO **185.00**



FIBRE DISCS FOR CAD-CAM

Single colour **BEIGE**. Available:

> Diameter 98 mm th. 12 mm w/collar 10 mm
Code **88Z-F9812** EURO **158.00**

> Diameter 98 mm th. 14 mm w/collar 10 mm
Code **88Z-F9814** EURO **170.00**

> Diameter 98 mm th. 16 mm w/collar 10 mm
Code **88Z-F9816** EURO **180.00**

> Diameter 98 mm th. 18 mm w/collar 10 mm
Code **88Z-F9818** EURO **195.00**

> Diameter 98 mm th. 20 mm w/collar 10 mm
Code **88Z-F9820** EURO **210.00**

> Diameter 98 mm th. 22 mm w/collar 10 mm
Code **88Z-F9822** EURO **230.00**

> Diameter 98 mm th. 25 mm w/collar 10 mm
Code **88Z-F9825** EURO **265.00**



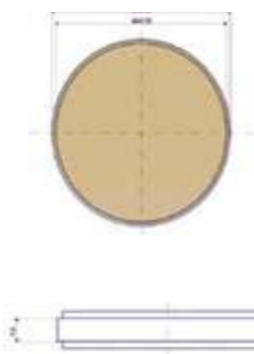
PMMA DISCS FOR CAD-CAM - Extra-Translucent Single Colour

Single colour, EXTRA-TRANSLUCENT. High detail reproduction in milling, fluorescent. Colours available: **A1, A2, A3, A3,5 B1, B2, C3.**

Available:

> Diameter 98 mm th. 16 mm w/collar 10 mm
Code **88W-7987-A1-16**; Code **88W-7987-A2-16**; Code **88W-7987-A3-16**;
Code **88W-7987-A3.5-16**; Code **88W-7987-B1-16**; Code **88W-7987-B2-16**;
Code **88W-7987-C3-16** EURO **49.00**

> Diameter 98 mm th. 20 mm w/collar 10 mm
Code **88W-7987-A1-20**; Code **88W-7987-A2-20**; Code **88W-7987-A3-20**;
Code **88W-7987-A3.5-20**; Code **88W-7987-B1-20**; Code **88W-7987-B2-20**;
Code **88W-7987-C3-20** EURO **55.00**



PMMA DISCS FOR CAD-CAM - Extra-Translucent Multi-layer

Characterised by a progressive layering that guarantees a natural aesthetic effect to the temporary bridges or crowns. Colours available: **A1, A2, A3, A3,5 B1, B2, C3.**

Available:

> Diameter 98 mm th. 16 mm w/collar 10 mm
Code **88W-7988A1-16**; Code **88W-7988A2-16**; Code **88W-7988A3-16**;
Code **88W-7988A3.5-16**; Code **88W-7988B1-16**; Code **88W-7988B2-16**;
Code **88W-77988C3-16** EURO **75.00**

> Diameter 98 mm th. 20 mm w/collar 10 mm
Code **88W-7988A1-20**; Code **88W-7988A2-20**; Code **88W-7988A3-20**;
Code **88W-7988A3.5-20**; Code **88W-7988B1-20**; Code **88W-7988B2-20**;
Code **88W-77988C3-20** EURO **79.00**

TITANIUM wires for laser welding

DESCRIPTION	DIAMETER	LENGTH	ARTICLE CODE	PRICE
Titanium G 1 LASER WELDING WIRE 0.25 mm	0.25 mm	2000 mm	88M-TI-G1LAS	EURO 31.15
Titanium G 1 LASER WELDING WIRE 0.50 mm	0.50 mm	2000 mm	88M-FAC00566	EURO 31.15
Titanium G 1 LASER WELDING WIRE 1.00 mm	1.00 mm	2000 mm	88M-FAC01055	EURO 36.67

CAD CAM CONSUMABLES

DISCS AND CONSUMABLE MATERIALS



COBALT CHROME DISCS (NP7 88METALS ALLOY) with collar

> Diameter 98.3 mm sp 10 mm w/collar 10 mm Code 88M-NP7-10C	EURO	195.00
> Diameter 98.3 mm sp 12 mm w/collar 10 mm Code 88M-NP7-12C	EURO	205.00
> Diameter 98.3 mm sp 13.5 mm w/collar 10 mm Code 88M-NP7-135C	EURO	215.00
> Diameter 98.3 mm sp 15 mm w/collar 10 mm Code 88M-NP7-15C	EURO	235.00
> Diameter 98.3 mm sp 16 mm w/collar 10 mm Code 88M-NP7-16C	EURO	240.00
> Diameter 98.3 mm sp 18 mm w/collar 10 mm Code 88M-NP7-18C	EURO	250.00
> Diameter 98.3 mm sp 20 mm w/collar 10 mm Code 88M-NP7-20C	EURO	275.00
> Diameter 98.3 mm sp 24.5 mm w/collar 10 mm Code 88M-NP7-245C	EURO	295.00



COBALT-CHROME DISCS (NP7 88METALS ALLOY) without collar

> Diameter 99.5 mm sp 8 mm without collar Code 88M-NP7-8	EURO	170.00
> Diameter 99.5 mm sp 10 mm without collar Code 88M-NP7-10	EURO	195.00
> Diameter 99.5 mm sp 12 mm without collar Code 88M-NP7-12	EURO	205.00

> Diameter 99.5 mm sp 14 mm without collar Code 88M-NP7-14	EURO	215.00
> Diameter 99.5 mm sp 15 mm without collar Code 88M-NP7-15	EURO	235.00
> Diameter 99.5 mm sp 16 mm without collar Code 88M-NP7-16	EURO	210.00
> Diameter 99.5 mm sp 18 mm without collar Code 88M-NP7-18	EURO	250.00
> Diameter 99.5 mm sp 20 mm without collar Code 88M-NP7-20	EURO	275.00
> Diameter 99.5 mm sp 24.5 mm without collar Code 88M-NP7-245C	EURO	295.00



COBALT-CHROME DISCS SOFT METAL with collar



> Diameter 98,3 mm sp 10 mm w/collar 10 mm Code 88M-SFM10C	EURO	120.00
> Diameter 98,3 mm sp 12 mm w/collar 10 mm Code 88M-SFM12C	EURO	140.00
> Diameter 98,3 mm sp 14 mm w/collar 10 mm Code 88M-SFM14C	EURO	160.00
> Diameter 98,3 mm sp 16 mm w/collar 10 mm Code 88M-SFM16C	EURO	180.00
> Diameter 98,3 mm sp 18 mm w/collar 10 mm Code 88M-SFM18C	EURO	200.00
> Diameter 98,3 mm sp 20 mm w/collar 10 mm Code 88M-SFM20C	EURO	220.00

CAD CAM CONSUMABLES

DISCS AND CONSUMABLE MATERIALS



TITANIUM BIO TI GRADE 5 DISCS DIAMETER 98.5 MM with collar

> Diameter 98,5 mm sp 8 mm without collar Code 88M-TI5-8C	EURO	65.00
> Diameter 98,5 mm sp 10 mm without collar Code 88M-TI5-10C	EURO	75.00
> Diameter 98,5 mm sp 12 mm without collar Code 88M-TI5-12C	EURO	90.00
> Diameter 98,5 mm sp 14 mm without collar Code 88M-TI5-14C	EURO	95.00
> Diameter 98,5 mm sp 15 mm without collar Code 88M-TI5-15C	EURO	100.00
> Diameter 98,5 mm sp 16 mm without collar Code 88M-TI5-16C	EURO	105.00
> Diameter 98,5 mm sp 18 mm without collar Code 88M-TI5-18C	EURO	115.00
> Diameter 98,5 mm sp 20 mm without collar Code 88M-TI5-20C	EURO	125.00
> Diameter 98,5 mm sp 25 mm without collar Code 88M-TI5-25C	EURO	145.00

CAD CAM CONSUMABLES

DISCS AND CONSUMABLE MATERIALS



88ZB HIGH TRANSLUCENCY (1530°C) WHITE FOR ABUTMENTS

DISC w/collar

Translucency 44% | Flex resistance 1200 MPa | SHT compatible

1 PIECE PER PACK Available:

> Diameter 98 mm th. 10 mm w/collar 10mm Code 88Z-SHTW9810	EURO	55.00
> Diameter 98 mm th. 12 mm w/collar 10 mm Code 88Z-SHTW9812	EURO	60.00
> Diameter 98 mm th. 14 mm w/collar 10 mm Code 88Z-SHTW9814	EURO	70.00
> Diameter 98 mm th. 16 mm w/collar 10 mm Code 88Z-SHTW9816	EURO	75.00
> Diameter 98 mm th. 18 mm w/collar 10 mm Code 88Z-SHTW9818	EURO	90.00
> Diameter 98 mm th. 20 mm w/collar 10 mm Code 88Z-SHTW9820	EURO	110.00
> Diameter 98 mm th. 22 mm w/collar 10 mm Code 88Z-SHTW9822	EURO	130.00
> Diameter 98 mm th. 25 mm w/collar 10 mm Code 88Z-SHTW9825	EURO	160.00
> Diameter 98 mm th. 28 mm w/collar 10 mm Code 88Z-SHTW9828	EURO	195.00

88ZB WHITE TRANSLUCENT (1500°C) FOR LAYERING

DISC w/collar

Translucency 39% | Flex resistance 1200 MPa | HT compatible

1 PIECE PER PACK Available:

> Diameter 98 mm th. 10 mm w/collar 10mm Code 88Z-HTW9810	EURO	40.00
> Diameter 98 mm th. 12 mm w/collar 10 mm Code 88Z-HTW9812	EURO	50.00
> Diameter 98 mm th. 14 mm w/collar 10 mm Code 88Z-HTW9814	EURO	55.00
> Diameter 98 mm th. 16 mm w/collar 10 mm Code 88Z-HTW9816	EURO	65.00
> Diameter 98 mm th. 18 mm w/collar 10 mm Code 88Z-HTW9818	EURO	75.00
> Diameter 98 mm th. 20 mm w/collar 10 mm Code 88Z-HTW9820	EURO	95.00
> Diameter 98 mm th. 22 mm w/collar 10 mm Code 88Z-HTW9822	EURO	120.00
> Diameter 98 mm th. 25 mm w/collar 10 mm Code 88Z-HTW9825	EURO	150.00
> Diameter 98 mm th. 28 mm w/collar 10 mm Code 88Z-HTW9828	EURO	180.00

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS

88ZB PRE-COLOURED SINGLE-LAYERED A2-A3-B2-C2-D2

DISC w/collar

Translucency 44% | Flex resistance 1200 MPa | SHT PRESHADE compatible 1 PIECE PER PACK.

Available:

> Diameter 98 mm th. 10 mm w/collar 10mm Code 88Z-PC9810-A2; Code 88Z-PC9810-A3	EURO	70.00
> Diameter 98 mm th. 12 mm w/collar 10 mm Code 88Z-PC9812-A2; Code 88Z-PC9812-A3; Code 88Z-PC9812-B2; Code 88Z-PC9812-C2; Code 88Z-PC9812-D2;	EURO	80.00
> Diameter 98 mm th. 14 mm w/collar 10 mm Code 88Z-PC9814-A1; Code 88Z-PC9814-A2; Code 88Z-PC9814-A3; Code 88Z-PC9814-A35; Code 88Z-PC9814-B2; Code 88Z-PC9814-C2; Code 88Z-PC9814-D2	EURO	85.00
> Diameter 98 mm th. 16 mm w/collar 10 mm Code 88Z-PC9816-A1; Code 88Z-PC9816-A2; Code 88Z-PC9816-A3; Code 88Z-PC9816-A35; Code 88Z-PC9816-B2; Code 88Z-PC9816-C2; Code 88Z-PC9816-D2	EURO	95.00
> Diameter 98 mm th. 18 mm w/collar 10 mm Code 88Z-PC9818-A1; Code 88Z-PC9818-A2; Code 88Z-PC9818-A3; Code 88Z-PC9818-A35; Code 88Z-PC9818-C2; Code 88Z-PC9818-D2;	EURO	110.00
> Diameter 98 mm th. 20 mm w/collar 10 mm Code 88Z-PC9820-A2; Code 88Z-PC9820-A3; Code 88Z-PC9820-A35; Code 88Z-PC9820-C2; Code 88Z-PC9820-D2	EURO	125.00
> Diameter 98 mm th. 22 mm w/collar 10 mm Code 88Z-PC9822-A2; Code 88Z-PC9822-A3;	EURO	145.00
> Diameter 98 mm th. 25 mm w/collar 10 mm ON REQUEST	EURO	175.00
> Diameter 98 mm th. 28 mm w/collar 10 mm ON REQUEST	EURO	210.00

88ZB 6LAYERS MULTI-LAYERED PRE-SHADED A2-A3-B2-C2-D2



DISC w/collar

Translucency 44% | Flex resistance 1200 MPa | SHT Multilayer compatible 1 PIECE

PER PACK. Available:

> Diameter 98 mm th. 12 mm w/collar 10 mm ON REQUEST	EURO	85.00
> Diameter 98 mm th. 14 mm w/collar 10 mm Code 88Z-MS9814-A2; Code 88Z-MS9814-A3; Code 88Z-MS9814-A35; Code 88Z-MS9814-B2; Code 88Z-MS9814-C2; Code 88Z-MS9814-D2	EURO	100.00
> Diameter 98 mm th. 16 mm w/collar 10 mm Code 88Z-MS9816-A2; Code 88Z-MS9816-A3; Code 88Z-MS9816-A35; Code 88Z-MS9816-B2; Code 88Z-MS9816-C2; Code 88Z-MS9816-D2	EURO	115.00
> Diameter 98 mm th. 18 mm w/collar 10 mm Code 88Z-MS9818-A2; Code 88Z-MS9818-A3; Code 88Z-MS9818-A35; Code 88Z-MS9818-B1; Code 88Z-MS9818-B2; Code 88Z-MS9818-C2 Code 88Z-MS9818-D2;	EURO	130.00
> Diameter 98 mm th. 20 mm w/collar 10 mm Code 88Z-MS9820-A2; Code 88Z-MS9820-A3; Code 88Z-MS9820-A35; Code 88Z-MS9820-B1; Code 88Z-MS9820-B2; Code 88Z-MS9820-C2 Code 88Z-MS9820-D2;	EURO	145.00
> Diameter 98 mm th. 22 mm w/collar 10 mm ON REQUEST	EURO	160.00
> Diameter 98 mm th. 25 mm w/collar 10 mm ON REQUEST	EURO	190.00

All prices are exclusive of VAT

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS

3D Pro Multifunctional

The **Zirconia 3D Pro** is a real revolution in the field of crowns, bridges and large monolithic restorations. Its aesthetic result far exceeds expectations, helping dental technicians to finalise their work with simple and effective protocols, without having to resort to complex infiltration techniques and surface characterisation.

3D Pro, revolutionary Multicolour layered zirconia with decreasing chroma saturation, has an excellent aesthetic gradient.

Thanks to the 3Dpro colour guide which you can give to the dentist, made with the same zirconia that you will be milling, you can guarantee the colour match of your article and the patient is bound to be happy with the final look.

You can consistently and simply achieve this result thanks to the 3DPro protocol.

🦷 **3Dpro** consists of an ultra-fine particle size with a state-of-the-art production process with isostatic pressing, controlled pre-sintering and with reserved technologies and protocols.

🦷 **3DPro** has a high resistance to flexion and fracture loads (1050>750) guaranteeing all types of machining.

88ZB 3D PRO MULTIFUNCTIONAL PRE-COLOURED A2-A3-B2-C2-D2



DISC w/collar

Translucency from 43% to 57% | Flex resistance up to 1050MPa
3D PRO compatible

1 PIECE PER PACK Available:

- > Diameter 98 mm th. 12 mm w/collar 10 mm
Code 88Z-9812MA1-3DPRO; Code 88Z-9812MA2-3DPRO;
Code 88Z-9812MA3-3DPRO; Code 88Z-9812MA35-3DPRO;
Code 88Z-9812MA4-3DPRO; Code 88Z-9812MB1-3DPRO;
Code 88Z-9812MB2-3DPRO; Code 88Z-9812MB3-3DPRO;
Code 88Z-9812MC1-3DPRO; Code 88Z-9812MC2-3DPRO;
Code 88Z-9812MC3-3DPRO; Code 88Z-9812MD2-3DPRO;
Code 88Z-9812MD3-3DPRO

EURO **140.00**

- > Diametro 98 mm sp 14 mm c/collare 10 mm
Code 88Z-9814MA1-3DPRO; Code 88Z-9814MA2-3DPRO;
Code 88Z-9814MA3-3DPRO; Code 88Z-9814MA35-3DPRO;
Code 88Z-9814MA4-3DPRO; Code 88Z-9814MB1-3DPRO;
Code 88Z-9814MB2-3DPRO; Code 88Z-9814MB3-3DPRO;
Code 88Z-9814MC1-3DPRO; Code 88Z-9814MC2-3DPRO;
Code 88Z-9814MC3-3DPRO; Code 88Z-9814MD2-3DPRO;
Code 88Z-9814MD3-3DPRO

EURO **160.00**

- > Diametro 98 mm sp 16 mm c/collare 10 mm
Code 88Z-9816MA1-3DPRO; Code 88Z-9816MA2-3DPRO;
Code 88Z-9816MA3-3DPRO; Code 88Z-9816MA35-3DPRO;
Code 88Z-9816MA4-3DPRO; Code 88Z-9816MB1-3DPRO;
Code 88Z-9816MB2-3DPRO; Code 88Z-9816MB3-3DPRO;
Code 88Z-9816MB4-3DPRO; Code 88Z-9816MC1-3DPRO;
Code 88Z-9816MC2-3DPRO; Code 88Z-9816MC3-3DPRO;
Code 88Z-9816MD2-3DPRO; Code 88Z-9816MD3-3DPRO

EURO **180.00**

- > Diametro 98 mm sp 18 mm c/collare 10 mm
Code 88Z-9818MA1-3DPRO; Code 88Z-9818MA2-3DPRO;
Code 88Z-9818MA3-3DPRO; Code 88Z-9818MA35-3DPRO;
Code 88Z-9818MA4-3DPRO; Code 88Z-9818MB1-3DPRO;
Code 88Z-9818MB2-3DPRO; Code 88Z-9818MB3-3DPRO;
Code 88Z-9818MC1-3DPRO; Code 88Z-9818MC2-3DPRO;
Code 88Z-9818MC3-3DPRO; Code 88Z-9818MD2-3DPRO;
Code 88Z-9818MD3-3DPRO

EURO **200.00**

- > Diametro 98 mm sp 20 mm c/collare 10 mm
Code 88Z-9820MA1-3DPRO; Code 88Z-9820MA2-3DPRO;
Code 88Z-9820MA3-3DPRO; Code 88Z-9820MA35-3DPRO;
Code 88Z-9820MA4-3DPRO; Code 88Z-9820MB1-3DPRO;
Code 88Z-9820MB2-3DPRO; Code 88Z-9820MB3-3DPRO;
Code 88Z-9820MB4-3DPRO; Code 88Z-9820MC1-3DPRO;
Code 88Z-9820MC2-3DPRO; Code 88Z-9820MC3-3DPRO;
Code 88Z-9820MC4-3DPRO; Code 88Z-9820MD2-3DPRO;
Code 88Z-9820MD3-3DPRO; Code 88Z-9820MD4-3DPRO

EURO **215.00**

- > Diametro 98 mm sp 22 mm c/collare 10 mm
Code 88Z-9822MA1-3DPRO; Code 88Z-9822MA2-3DPRO;
Code 88Z-9822MA3-3DPRO; Code 88Z-9822MA35-3DPRO;
Code 88Z-9822MA4-3DPRO; Code 88Z-9822MB1-3DPRO;
Code 88Z-9822MB2-3DPRO; Code 88Z-9822MB3-3DPRO;
Code 88Z-9822MC1-3DPRO; Code 88Z-9822MC2-3DPRO;
Code 88Z-9822MC3-3DPRO; Code 88Z-9822MD2-3DPRO;
Code 88Z-9822MD3-3DPRO

EURO **235.00**

- > Diametro 98 mm sp 25 mm c/collare 10 mm
Code 88Z-9825MA1-3DPRO; Code 88Z-9825MA2-3DPRO;
Code 88Z-9825MA3-3DPRO; Code 88Z-9825MA35-3DPRO;
Code 88Z-9825MA4-3DPRO; Code 88Z-9825MB1-3DPRO;
Code 88Z-9825MB2-3DPRO; Code 88Z-9825MB3-3DPRO;
Code 88Z-9825MC1-3DPRO; Code 88Z-9825MC2-3DPRO;
Code 88Z-9825MC3-3DPRO; Code 88Z-9825MD2-3DPRO;
Code 88Z-9825MD3-3DPRO

EURO **270.00**

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS

88ZB - ZIRKONZAHN® CAD-CAM HIGH TRANSLUCENCY (1530°C)



DISC w/collar

Translucency 44% | Flex resistance 1200 MPa | SHT compatible

1 PIECE PER PACK Available:

> Diameter 95 mm th. 10 mm w/collar 10 mm Code 88Z-Z10-SHTW	EURO	55,00
> Diameter 95 mm th. 12 mm w/collar 10 mm Code 88Z-Z12-SHTW	EURO	60,00
> Diameter 95 mm th. 14 mm w/collar 10 mm Code 88Z-Z14-SHTW	EURO	70,00
> Diameter 95 mm th. 16 mm w/collar 10 mm Code 88Z-Z16-SHTW	EURO	75,00
> Diameter 95 mm th. 18 mm w/collar 10 mm Code 88Z-Z18-SHTW	EURO	90,00
> Diameter 95 mm th. 20 mm w/collar 10 mm Code 88Z-Z20-SHTW	EURO	110,00
> Diameter 95 mm th. 22 mm w/collar 10 mm Code 88Z-Z22-SHTW	EURO	130,00
> Diameter 95 mm th. 25 mm w/collar 10 mm Code 88Z-Z25-SHTW	EURO	160,00

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS



IMG PRODUCT	H (mm)	PIECES PER PACK	PRICE / EACH
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Sirona COMPATIBLES - SHT WHITE



20x15x14	12	EURO	4.80
20x15x19	12	EURO	6.40
40X15X14	10	EURO	11.20
40X15X19	10	EURO	12.80
55X19X15	5	EURO	17.60
65X25X22	3	EURO	30.40
65X40X22	3	EURO	49.60
85x40x22	2	EURO	67.20

Sirona COMPATIBLES - SHT Preshade



20x15x14	12	EURO	6.40
20x15x19	12	EURO	8.00
40X15X14	10	EURO	12.80
40X15X19	10	EURO	14.40
55X19X15	5	EURO	30.40
65X25X22	3	EURO	56.00
65X40X22	3	EURO	96.00
85x40x22	2	EURO	144.00

IMG PRODUCT	H (mm)	PIECES PER PACK	PRICE / EACH
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Sirona COMPATIBLES - SHT Multilayer



20x15x14	12	EURO	8.00
20x15x19	12	EURO	9.60
40X15X14	10	EURO	14.40
40X15X19	10	EURO	16.00
55X19X15	5	EURO	32.00
65X25X22	3	EURO	64.00
65X40X22	3	EURO	112.00
85x40x22	2	EURO	160.00

Sirona COMPATIBLES - 3D Pro Multilayer



20x15x14	12	EURO	13.30
20x15x19	12	EURO	15.20
40X15X14	10	EURO	20.90
40X15X19	10	EURO	22.80
55X19X15	5	EURO	47.50
65X25X22	3	EURO	87.40
65X40X22	3	EURO	144.40
85x40x22	2	EURO	214.70

Kavo Artico compatible - HT white



70x40x12	2	EURO	35.20
70x40x14	2	EURO	43.20
70x40x16	2	EURO	49.60
70x40x18	2	EURO	57.60
70x40x20	2	EURO	65.60
70x40x22	2	EURO	72.00
70x40x25	2	EURO	78.40

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS

Kavo Artico compatible - SHT white



Size	Pieces per pack	Price / Each
70x40x12	2	EURO 40.00
70x40x14	2	EURO 49.60
70x40x16	2	EURO 57.60
70x40x18	2	EURO 64.00
70x40x20	2	EURO 73.60
70x40x22	2	EURO 80.00
70x40x25	2	EURO 86.40

Kavo Arctica compatibles - SHT Preshade



Size	Pieces per pack	Price / Each
70x40x12	2	EURO 43.20
70x40x14	2	EURO 51.20
70x40x16	2	EURO 59.20
70x40x18	2	EURO 67.20
70x40x20	2	EURO 75.20
70x40x22	2	EURO 83.20
70x40x25	2	EURO 91.20

Kavo Arctica - SHT Multi-layer compatible



Size	Pieces per pack	Price / Each
70x40x12	2	EURO 44.80
70x40x14	2	EURO 54.40
70x40x16	2	EURO 62.40
70x40x18	2	EURO 70.40
70x40x20	2	EURO 80.00

H (mm)	PIECES PER PACK	PRICE / EACH
70x40x22	2	EURO 88.00
70x40x25	2	EURO 97.60

Kavo Arctica - 3D Pro



Size	Pieces per pack	Price / Each
70x40x12	2	EURO 57.00
70x40x14	2	EURO 70.30
70x40x16	2	EURO 83.60
70x40x18	2	EURO 95.00
70x40x20	2	EURO 108.30
70x40x22	2	EURO 121.60
70x40x25	2	EURO 133.00

All prices are intended per piece. The Arctica packs are always in 2.

All prices are exclusive of VAT.



PRODUCTION

CAD CAM CONSUMABLES

ZIRCONIA DISCS CONSUMABLE MATERIALS

SPECIAL COLOURS for Zirconia

> Infiltration Colours 50 ml bottles 4% VAT EURO/ PER PACK 20.00

- A1 Code ACL50A1L - A2 Code ACL50A2L - A3 Code ACL50A3L - A3.5 Code ACL50A35L
- A4 Code ACL50A4L - B1 Code ACL50B1L - B2 Code ACL50B2L - B3 Code ACL50B3L
- B4 Code ACL50B4L - C1 Code ACL50C1L - C2 Code ACL50C2L - C3 Code ACL50C3L
- C4 Code ACL50C4L - D2 Code ACL50D2L - D3 Code ACL50D3L - D4 Code ACL50D4L

> Visible Coloring Liquid 25 ml bottle 22% EURO/ PER PACK 20.00

- Blue Code ACLI3 - Red Code ACLI1 - Yellow Code ACLI2 - Green Code ACLI4

> Incisal painting colours 50 ml bottle 4% - INCISAL SHADES EURO/ PER PACK 20.00




- O1 Light Orange Code ACL50O1 - O2 GROVE BROWN Code ACL50O2
- G1 Grey Light Code ACL50G1 - G2 Grey Code ACL50G2 - G3 Dark Grey Code ACL50G3

> Incisal painting colours 50 ml bottle 4% - GINGIVAL SHADES EURO/ PER PACK 20.00

- P1 Pink Light Code ACL50P1 - P2 Light Purple Code ACL50P2
- P3 Purple Grey Code ACL50P3

> Incisal painting colours 50 ml bottle 22% - WIZARD COLOURS EURO/ PER PACK 60.00

- Blue (T1) Liquid to increase the translucency of the incisal area - 50 ml bottle Code ACL50T
- Cover Up Liquid (T2) Liquid to decrease translucency in case of dark dies- 5 ml bottle Code ACL5C

IMG PRODUCT	PRODUCT	CODE	PRICE/EACH	
DIAMOND-COATED TOOLS FOR ZIRCONIA FINISHING				
	Tapered tool FINISHING	ACTR003	EURO	23.00
	Dental wheel ROUGHING	ACTR004	EURO	23.00
	Tapered tool ROUGHING	ACTR006	EURO	23.00
	Tapered tool FINISH/POLISHING	ACTR008	EURO	23.00
	Lens tool POLISHING FINISH	ACTR009	EURO	23.00

All prices are exclusive of VAT.



CAD CAM CONSUMABLES

BIOMIC

A NEW COLOURING AND ENAMELLING CONCEPT

Biomic COLOURS for liquid micro-layering

BIOMIC® STAIN/GLAZE

To replicate natural dentition with the best aesthetic result, **Biomic Stain/Glaze** is specially developed for micro-layering and shading on any type of material suitable for processing monolithics, ceramics, disilicate, zirconia, etc.

The product has been designed to allow dental technicians to use a quick and easy method to complete their work, achieving a restoration that replicates natural teeth.

This new set of Biomic Stains/Glazes is designed to match the aesthetic appearance of natural teeth with 2D paste colours, 3D paste effects are also added.

Mixing 2D and 3D colour pastes can maximise the aesthetic effects.



3DPRO PROTOCOL

Complete Operative Protocol, from the colour scale to glazes with explanatory video tutorial

EURO 1,550.00

VIDEO TUTORIAL

- VT1 - Video tutorial SPEAKER 1
- VT2 - Video tutorial SPEAKER 2
- VT3 - Video tutorial SPEAKER 3
- VT4 - Video tutorial SPEAKER 4
- VT5 - Video tutorial SPEAKER 5
- VT6 - Video tutorial SPEAKER 6
- VT7 - Video tutorial SPEAKER 7

EURO/EACH 150.00

AESTHETIC Set

EURO 1,070.00

AIDITE CODE	SHADES	PACK OF
ACStain-A	Shade A	4 g
ACStain-B	Shade B	4 g
ACStain-C	Shade C	4 g
ACStain-D	Shade D	4 g
ACStain1 - Blue	Shade Blue I	4 g
ACStain2 - Blue	Shade Blue II	4 g
ACStain - White	Shade White	4 g
ACStainC - White	Shade White C	4 g
ACStain - Brown	Shade Brown	4 g
ACStain - Terracotta	Shade Terracotta	4 g
ACStain - Black	Shade Black	4 g
ACStain1 - Orange	Shade Orange I	4 g
ACStain2 - Orange	Shade Orange II	4 g
ACStain - Mauve	Shade Mauve	4 g
ACStain - Yellow	Shade Yellow	4 g
ACStainR - Pink	Shade Pink	4 g
ACF - Glaze	Glaze F	4 g
AC3DV - Glaze	Glaze - 3DV	4 g
AC3DN - Glaze	Glaze - 3DN	4 g
ACMF1 - 25	Glaze liquid I	25 ml
ACMF2 - 25	Glaze liquid II	25 ml
Biomicbrush - 2D	Biomic brush - 2D	—
Biomicbrush - 3D	Biomic brush - 3D	—
ACO105	Biomic Aesthetic - Shade Matcher	—

CAD CAM CONSUMABLES

BIOMIC

A NEW COLOURING AND ENAMELLING CONCEPT

AIDITE® ZIRCONIA COLOUR GUIDE

Thanks to the **3D Pro colour guide** which you can give to the dentist, made with the same zirconia that you will be milling, you can guarantee the colour match of your article ensuring the patient is happy with the final look.

You can consistently and simply achieve this result thanks to the **3DPRO PROTOCOL**.



3DPRO COLOUR GUIDE

Code ACO112

EURO **230.00**

3DPRO PALETTE

COLOUR PALETTE A2: Code ACO110-A2

COLOUR PALETTE A3: Code ACO110-A3

PRICE IN EURO / EACH **120.00**



3D PRO TRIAL KIT

Code ACO106

- ✓ 1 3D Pro disc 14 mm A2
- ✓ 1 Kit with 6 milling tools
- ✓ 2 zirconia crowns
- ✓ 1 USB key with user instructions

EURO **250.00**

BIOMIC SHADES - SINGLE PACKS

AIDITE CODE	SHADES		PACK OF	COST
ACStain-A	Shade A	2D Paste	4 g	EURO 45.00
ACStain-B	Shade B	2D Paste	4 g	EURO 45.00
ACStain-C	Shade C	2D Paste	4 g	EURO 45.00
ACStain-D	Shade D	2D Paste	4 g	EURO 45.00
ACStain1 - Blue	Shade Blue I	2D Paste	4 g	EURO 45.00
ACStain2 - Blue	Shade Blue II	2D Paste	4 g	EURO 45.00
ACStain - White	Shade White	2D Paste	4 g	EURO 45.00
ACStainC - White	Shade White C	2D Paste	4 g	EURO 45.00
ACStain - Brown	Shade Brown	2D Paste	4 g	EURO 45.00
ACStain - Terracotta	Shade Terracotta	2D Paste	4 g	EURO 45.00
ACStain - Black	Shade Black	2D Paste	4 g	EURO 45.00
ACStain1 - Orange	Shade Orange I	2D Paste	4 g	EURO 45.00
ACStain2 - Orange	Shade Orange II	2D Paste	4 g	EURO 45.00
ACStain - Mauve	Shade Mauve	2D Paste	4 g	EURO 45.00
ACStain - Yellow	Shade Yellow	2D Paste	4 g	EURO 45.00
ACStainR - Pink	Shade Pink	2D Paste	4 g	EURO 52.00
ACF - Glaze	Glaze F	2D Paste	4 g	EURO 45.00
AC3DV - Glaze	Glaze - 3DV	3D Paste	4 g	EURO 52.00
AC3DN - Glaze	Glaze - 3DN	3D Paste	4 g	EURO 52.00
ACMF1 - 25	Glaze liquid I	2D Liquid	25 ml	EURO 35.00
ACMF2 - 25	Glaze liquid II	3D Liquid	25 ml	EURO 35.00
Biomicbrush - 2D	Biomic brush - 2D	2D brush	—	EURO 30.00
Biomicbrush - 3D	Biomic brush - 3D	3D brush	—	EURO 30.00
ACO105	Biomic Aesthetic - Shade Matcher	16 Color	—	EURO 70.00

All prices are exclusive of VAT.

ZUBLER VARIO S400

TECHNOLOGY FOR A RELIABLE SINTERING PROCESS

Zubler VARIO S400 SINTERING FURNACE

THE BENEFIT OF TECHNOLOGY FOR A RELIABLE SINTERING PROCESS

For speed and traditional sintering, 500 memory positions, 5+ 1 freely programmable heating ramps. The sintering of zirconium is a very important step in dental technician laboratories.

Thanks to this furnace, Zubler has set new standards with the introduction of the new **VARIO S400** sintering furnace. Thanks to the special functions and programs, the **VARIO S400** will give you the opportunity to process different materials, following the new colouring methods (to be carried out before the sintering process).

FOCUS



PRECISE SINTERING PHASES

Thanks to rapid heating and cooling



AUTOMATIC CLEANING

Automatic cleaning program of the sintering chamber



PRE-SET PROGRAMS

Efficient pre-set sintering programs, with the possibility of customisation based on requirements



RE-SINTERING PROGRAM

Reliable and safe in the event of a power cut, thanks to perfect furnace control



- 🦷 Handy **REGENERATION PROGRAM** for perfect heating elements at all times
- 🦷 LCD touchscreen **DISPLAY** in shockproof material
- 🦷 High purity molybdenum disilicide **HEATING ELEMENTS** for fast sintering
- 🦷 **TTC** - safe linear cooling for zirconia
- 🦷 **USB CONNECTION** for simple data transfer
- 🦷 Bright **LCD DISPLAY** with reading angle
- 🦷 **RECOVERY PROGRAM (PFC)** in the event of a power cut
- 🦷 **SMART CRUCIBLE SYSTEM** - 2 stackable crucibles with spacious combustion chamber

TECHNICAL DATA

Dimensions (LxDxH)	360x425x640 mm
Weight	25.5 Kg
Combustion chamber dimensions	130x290 mm for 2 crucibles
Max. power	1900 W
Precision temperature control at 1500° C	± 3° C
Closure mechanism	automatic lifting system
Power supply	230 V~ 50-60 Hz, 1300 W

WHY CHOOSE THE ZUBLER VARIO S400?



- 🦷 Sintering speed and traditional
- 🦷 500 memory settings
- 🦷 5+1 heating ramps
- 🦷 Multiple programs and functions

ZUBLER VARIO S400

TECHNOLOGY FOR A RELIABLE SINTERING PROCESS



ZUBLER VARIO S400 SINTERING FURNACE

Code 88S-898430

- ✓ 1 network cable
- ✓ 1 user instruction manual
- ✓ 1 Zubler USB Key
- ✓ 1 standard firing base
- ✓ 1 pair of long tongs
- ✓ 2 bowls with 1 lid
- ✓ 2 packs of sintering beads

EURO **9.190.00**

SINTERING BEADS 200 G IN ZIRCONIUM OXIDE.
Content sufficient for 5 sintering trays

Code 88S-8960410

EURO **81.00**

SINTERING BEADS 40 G IN ZIRCONIUM OXIDE
Content sufficient for 1 sintering tray

Code 88S-8960409

EURO **25.00**

SINTERING BOWLS SET OF 2:
2 bowls; 1 lid

Code 88S-8960418

EURO **393.60**

LID FOR SINTERING BOWL

Code 88S-8960421

EURO

122.00

VARIO S400 SINTERING BOWL

Code 88S-8960420

EURO

158.80

VARIO S400 SINTERING BOWL SET OF 1

1 BOWL + 1 LID

Code 88S-8960419

EURO

252.00

1 SINTERING PROCESS

Time and energy efficiency play a significant role in modern dental laboratories. So, not only conventional sintering cycles but also speed processes are possible in the S400 furnace for highly profitable work procedures. For all the heating phases from 1°C to 100°C/min, and the sum of all the holding times is 420 minutes.

2 HEATING ELEMENTS IN MOLYBDENUM DISILICIDE FOR SINTERING PROCESSES SPEED AND LONG DURATION

The four heating elements in molybdenum disilicide guarantee an even distribution of heat in the sintering chamber. Whether it is a traditional sintering process or a time- and energy-saving Speed process, every zirconium structure is manufactured to the highest quality standards.

3 REGENERATION PROGRAM FOR CONSTANTLY RENEWABLE HEATING ELEMENTS

This program protects the heating elements from "burning". A sort of protective layer forms on the surface of the heating elements, which prevents inefficient heating. This significantly extends the life span of the heating elements.

4 Recovery program (PFC) in the event of a power cut

The PFC function is triggered in the event of an unexpected and momentary interruption of the electrical power supply: based on the heat loss, the electronic system decides whether to interrupt the sintering process or to complete it. In both cases, upon completion of the program, the duration of the interruption is displayed on the screen which took place during a speed increase or holding phase, in order to evaluate the quality of the sintered articles.

5 2 TIER SINTERING BOWLS, WITH LARGE FIRING CHAMBER

The new sintering bowl system, developed by the Zubler company, is showcased in everyday use thanks to the special features of the material. The high-purity material, similar to that of a heat shield, ensures even temperature distribution inside the tray and protects sintered articles from discoloration.

6 TTC - LINEAR COOLING PHASE FOR SAFE ZIRCONIUM DIOXIDE STRUCTURES

The tried and tested TTC (time-temperature-cooling) method is available in the VARIO S400. The special feature of this process controls the temperature descent of the sintered element with a controlled linear cooling phase, thus avoiding damage to the structures.

7 LOW OPERATING COSTS

The high energy efficiency of 1.12 W/cm³ and the innovative heating control guarantee low operating costs during daily use of the furnace, as well as long life for the individual molybdenum disilicide (MoSi₂) elements that can be individually replaced in case of breakage.

PRODUCTION

CAMEO AGT-S FAST SINTERING

THE FAST, POLLUTION-FREE SINTERING FURNACE

CAMEO AGT-S FAST SINTERING furnace **Aidite**

THE FAST, POLLUTION-FREE SINTERING FURNACE

The lightweight and fast sintering furnace, CAMEO AGT-S by AIDITE offers double-layered sintering platforms for greater capacity and can sinter 30 crowns in just two and a half hours with excellent results.

The CAMEO furnace uses the innovative refractory bricks as a lining and insulation material, which results in 50% lower energy consumption compared to a traditional sintering furnace. The fast sintering does not affect the integrity and translucency of the zirconia.

FOCUS



ECOLOGICAL

Pollution-free with high technology SIC heating components



EASY MAINTENANCE

Easy replacement of the heating elements



EXCELLENT SINTERING

The material can be sintered directly without being dried first



PRECISE AND ECONOMIC

The precision of the constant temperature is $\pm 1^\circ\text{C}$. Remarkable energy saving effect



EXCELLENT SINTERING EFFECT



CAMEO FAST SINTERING FURNACE

Code 88S-CAMEO

- ✓ 2 Cameo AGT-S furnace bowls
- ✓ 1 Kg of sintering beads
- ✓ 1 heating element kit

EURO 6,900.00

TECHNICAL DATA

Dimensions (LxDxH): 580x330x700 mm

Weight: 40 Kg

Combustion chamber dimensions: 90x100 mm

Combustion chamber components: Silicon carbide

Rated power: 2.5 KW

Precision temperature control at 1600° C: $\pm 1^\circ\text{C}$

Heating elements: Silicon carbide rod - 3 pieces

Sintering method: Speed and traditional

Max. sintering speed: 2.5 h

Max number of crowns for sintering: 30 pieces

Benefits of the program:

- > Fast setting (1 click)
- > 20 sintering curves

Power supply: 220 V-50 Hz

WHY CHOOSE CAMEO AGT-S FAST SINTERING?



- 🦷 Easy-to-replace components
- 🦷 High precision of constant temperature
- 🦷 30 element capacity
- 🦷 Fast sintering

TABEO T.MAX 1650°C

THE FURNACE REPRESENTING EFFICIENCY AND HIGH QUALITY

TABEO ZIRKON 100 SINTER furnace

TABEO is synonymous with efficiency and offers high quality technology, coordinated accessories and customised solutions for the most demanding customers at a fair price. The new **TABEO** sintering furnace is compact and space-saving, with sufficient capacity for a Ø 100 mm sintering tray for up to 20 single crowns.

The customisable programs simplify the control and allow all the functions for sintering with standard sintering programs. The electronic door lock offers protection against premature opening. The door can be positioned either on the right or on the left to suit your needs.

FOCUS



HEATING ELEMENTS

High purity PRO heating elements in molybdenum disilicate



DESIGN

Sophisticated design with ultra-rigid and compact casing.



HIGH TEMPERATURE

Tabeo reaches a max temperature of 1650°C



SERVICE PROGRAMS

- A - Temperature control
- C - Heating chamber cleaning
- E - Regeneration of heating elements

**only with the test kit*



HIGH PRECISION

Temperature accuracy at 1500°C +/- 3°C



**SINTER TABEO ZIRKON
100 furnace**

Code 88S-9270

EURO 5,208.00

LOADING DISH Ø 10 CM EURO 110.00

LID FOR DISH Ø 10 CM EURO 88.00

TABEO HT-S: HEATING ELEMENT - set of 4 ON REQUEST

TABEO ROUND CERAMIC TRAY- diam. 10 cm EURO/EACH 115.00

LID FOR ROUND TRAY TABEO - diam. 10 cm EURO/EACH 91.50

TECHNICAL DATA

Max temperature: 1650 °C

Combustion chamber volume: 1 tray Ø 100 x 35 mm

Max power: 1720 W

Current range: 220 V – 240 V; 50/60 Hz

Weight: 55 kg

Dimensions L/H/D cm: 40/60/40

WHY CHOOSE TABEO?



- Efficient
- Economic
- Customisable programs
- Timer function

NABERTHERM FURNACES

IDEAL FOR SINTERING BRIDGES AND CROWNS

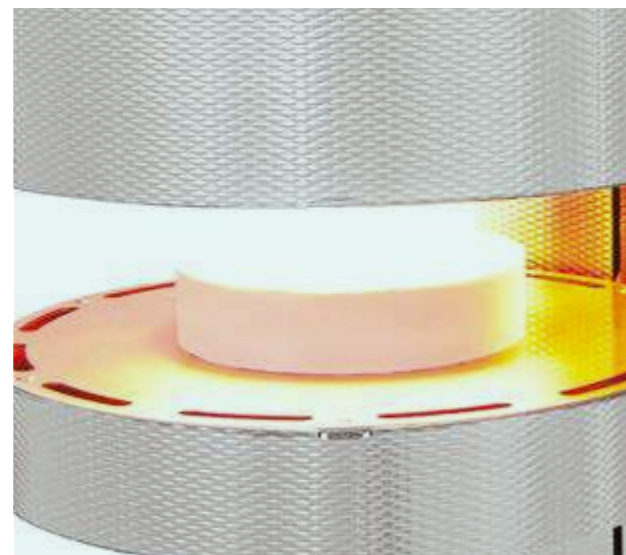
Thanks to the maximum temperature of 1650 °C, the high-temperature liftable base furnaces are ideal for sintering translucent zirconium oxide.

In the high-temperature furnace, the motorised liftable platform makes loading considerably easier. The circular heating of the furnace chamber guarantees excellent temperature uniformity.

Fitted with special heating elements in molybdenum disilicide, the chemical interactions between the load and the furnace components are virtually non-existent.

The sintering elements are located in the technical ceramic dishes.

- ☞ **Two loading dishes can be placed in the LHT 01/17 LB Speed model with a maximum load of 15 crowns per tier.**
- ☞ **The LHT 02/17 LB Speed model has space for three loading dishes with a maximum load of 25 crowns for every tier, thus guaranteeing high productivity.**



The high-temperature furnaces with a liftable base are also fitted with a drying function and rapid cooling.

For residual drying, a gap remains open during heating, up to a set temperature, to ensure the safe elimination of moisture

For rapid cooling, the furnace is gradually opened automatically based on the program. Depending on the load inserted and the loading dishes, it is possible to achieve total cycle times of less than two and a half hours with these high temperature furnaces.

The furnaces can be programmed **INDIVIDUALLY** for all the sintering curves recommended by [almost all zirconium manufacturers](#).

These high-temperature furnaces are ideal for sintering translucent zirconia crowns and bridges.

The special molybdenum disilicide heating elements offer excellent protection from chemical interactions between the load and the furnace components. The bridges and crowns are loaded in ceramic containers.

THESE HIGH-TEMPERATURE FURNACES OFFER AN EXCELLENT QUALITY/PRICE RATIO.

The furnaces can be programmed individually for all the sintering curves recommended by almost all zirconium manufacturers.

NABERTHERM FURNACES

IDEAL FOR SINTERING
BRIDGES AND CROWNS



LHT 01-17 LB Speed FURNACE

Code 88S-LHT0117D

EURO 6,510.00

Features of LHT 01-17 LB Speed

- +Tmax 1650 °C
- Firing compartment with 1 or 2 litre volume, bench with large base surface
- Special heating elements, made of molybdenum disilicide, offer excellent protection from chemical interactions between the load and the heating elements
- Attractive, double-walled, stainless steel structure
- Only fibre materials that are not classified as carcinogenic in accordance with TRGS 905, class 1 or 2 are used
- Excellent temperature uniformity thanks to the all-round heating of the chamber
- A starter kit is included for loading on one level; other levels are add-ons

- Precise actuator of the motorised base, with toothed drive belt and with button control
- Quick cooling function with automatic gradual opening starting from a pre-set temperature
- Opening for flue gas discharge on the top of the furnace
- S-type thermocouple
- P480 controller with possibility of storing 50 programs, 2 sample programs
- Can be used to sinter blanks by other leading manufacturers
- Drying function: When the program starts, the base will be guided into the drying position and will close automatically at 500 °C
- Application defined within the limits of the instructions for use
- NTLog Basic for Nabertherm controllers: process data log with USB flash drive

Add-ons

- Temperature selector-limiter with adjustable safety temperature for class 2 thermal protection according to EN 60519-2 to protect the furnace and products from excessive temperatures
- Stackable loading dish for loading on two or three levels depending on the model
- Process control and documentation via VCD software package for monitoring, documentation and control.

TECHNICAL DATA

Max temperature	1650 °C
Internal dimensions	L 185 x D 20 x H 180 mm
Volume	2 litres
Maximum units	75
External dimensions*1	L 185 x D 20 x H 180 mm
Connected power:	3.4 kW
Electrical connection*2	Single-phase
Weight:	50 kg
Minutes per t max:	75

*1 These furnaces are available for connection currents of 200 V, 208 V, 220 V - 240 V, 1/N/PE or 2/PE

*2 External dimensions vary if additional equipment is used. Dimensions on request.

NABERTHERM FURNACES

IDEAL FOR SINTERING BRIDGES AND CROWNS



LHT 02-17 LB Speed FURNACE

Code 88S-LHT0217SP

EURO 9,950.00

Features of LHT 02-17 LB Speed

- Tmax 1650 °C
- Firing chamber with 1 or 4 litre volume
- Special heating elements, made of molybdenum disilicide, offer excellent protection from chemical interactions between the load and the heating elements
- Double-walled casing in structured steel sheets with additional cooling fan to keep external temperatures low
- Only non-cancerous fibre materials, in accordance with TRGS 905, class 1 or 2, are used
- Space-saving execution with parallel, vertically-opening door

- A starter kit is included for loading on one level; other levels are add-ons
- Continuously adjustable valve for air intake
- It is possible to load the furnace chamber with two (LHT 01/17D) or three (LHT 03/17) loading dishes, 15 or 25 single crowns for each level (depending on the model)
- Opening for flue gas discharge on the top of the furnace
- S-type thermocouple
- Excellent stability in the lower drying temperature range as well
- P480 (LHT 01/17 D) or P470 (LHT 03/17 D) controller with option of storing 50 programs
- Control panel with constant monitoring of the heating elements
- Can be freely used to sinter blanks from almost all manufacturers
- Application defined within the limits of the instructions for use
- NTLog Basic for Nabertherm controllers: process data log with USB flash drive

Add-ons

- Temperature selector-limiter with adjustable safety temperature for class 2 thermal protection according to EN 60519-2 to protect the furnace and products from excessive temperatures
- Stackable loading dish for loading on two or three levels depending on the model
- Process control and documentation via VCD software package for monitoring, documentation and control

TECHNICAL DATA

Max temperature	1650 °C
Internal dimensions	L 110 x D 20 x H 120 mm
Volume	1 litre
Maximum units	30
External dimensions*3	L 385 x D 425 x H*2 525+195 mm
Connected power:	2.2 kW
Electrical connection	Single-phase
Weight:	28 kg
Minutes per t max:	75

1 Inside the empty and closed furnace, connected to 230 V 1/N/PE resp. 400 V 3/N/PE These furnaces are available for connection voltages

*2 Includes parallel opening door of 200 V, 208 V, 220 V - 240 V, 1/N/PE or 2/PE.

*3 External dimensions vary if additional equipment is used. Dimensions on request.

VARIO FURNACE

EXCELLENT FIRING FURNACES FOR STRATIFIED CERAMICS

Zubler 300e ZR furnace, patented for lithium disilicate ceramic pressing, controlled linear cooling for zirconium

In addition to being an excellent firing furnace for stratified and pressed ceramics, it is a multifunction furnace with special programs for zirconia and lithium disilicate.

Firing dental ceramics on zirconium oxide involves a high risk of micro-fractures after cooling, **Vario 300e ZR** solves this problem with the TTC (Time-Temperature-Cooling) system. The TTC system allows you to achieve a controlled linear cooling by setting a heat gradient between 5°C/min and 45°C/min. Thanks to the innovative design of the external firing chamber and electronic control of the return to the temperature range below the vitrification point, both the formation of micro-cracks and the dreaded "chipping" are avoided.

FOCUS



TIME SAVING

The Z-Drying automatic function helps the laboratory to save time. In the pre-drying phase, the sensor calculates the position of the closing plate based on the temperature of the firing chamber, creates the ideal temperature for the product and maintains it at 130° C.



MAINTAINING THE TEMPERATURE

Z-Drying adjusts the closure in small steps to maintain the best temperature on



SAFETY

The Power Fail Control (PFC) safety system intervenes in the event of a power failure: when it is restored, the program restarts from where it left off and routinely completes the cycle.

the coping and thus, reduce the formation of cracks or bubbles. Long delays are thus avoided in successive firings.

Features of the Vario Press 300e ZR

- With special programs for ZR and lithium disilicate
- 230 V~ 50/60Hz, 1300 W
- B x T x H 360 x 425 x 765mm
- Weight: 27 kg

Initial supply:

- 1 ceramics firing support
- 1 network cable
- 1 user instruction manual
- 1 Zubler USB Key
- 1 Easy Fix syringe
- 20 disposable plungers Ø 13 mm
- 1 complete silicone cylinder 200g / 3g
- 1 complete silicone cylinder 100g / 3g
- 1 standard firing base
- 1 firing base for pressing
- 1 x 2m air pipe
- 1 pair of long tongs
- 1 pair of Easy Grip tongs



Vario PRESS 300E ZR furnace

Code 88S-898031EZR

EURO 7,710.00

WHY CHOOSE THE VARIO PRESS 300E ZR FURNACE?

- 🦷 Time saving
- 🦷 Efficient
- 🦷 Large firing chamber for ideal heat distribution
- 🦷 Controlled cooling



VARIO FURNACE

EXCELLENT FIRING FURNACES FOR STRATIFIED CERAMICS

Vario Press 300e furnace Zubler firing and ceramic pressing furnace

Vario Press 300e was designed as a press furnace, but it is also an excellent firing furnace for stratified and pressed ceramics.

What makes it unique is the patented interface for working with lithium disilicate ceramics, a material that stands out for its high strength and that can be worked with both **CAD/CAM** and a pressing process similar to that of the classic ceramic technique. However, the sensitivity of lithium disilicate to high temperatures, residence time in the furnace and contact with phosphate-binding coating materials, results in significant qualitative differences in the result. Since the success of the press is also due to efficient heating, we have patented a system that guarantees perfect results thanks to the reverberation of the heat inside a large cooking chamber.

The **Vario Press 300e** is also equipped with 500 freely programmable memory locations and individual pre-programming on request.

Features of the Vario Press 300e

- With special programs for ZR and lithium disilicate
- 230 V~ 50/60Hz, 1300 W
- B x T x H 360 x 425 x 765mm
- Weight: 27 kg

Initial supply:

- 1 ceramics firing support
- 1 network cable
- 1 user instruction manual
- 1 Zubler USB Key
- 1 Easy Fix syringe
- 20 disposable plungers Ø 13 mm
- 1 complete silicone cylinder 200g / 3g
- 1 complete silicone cylinder 100g / 3g
- 1 standard firing base
- 1 firing base for pressing
- 1 x 2m air pipe
- 1 pair of long tongs
- 1 pair of Easy Grip tongs



Vario PRESS 300e furnace

Code 88S-898031E

EURO 7,210⁰⁰

FOCUS



UNIFORM HEATING

To uniformly heat cylinders of any dimension and plungers, the Vario Press 300e has a high-quality heating element which covers the walls of the firing chamber with 7 heating coils. In this way, a uniform temperature is also obtained in the areas without direct radiation

temperature and reduces the formation of cracks or bubbles



RELIABLE

The Power Fail Control (PFC) safety system intervenes in the event of a power failure: when it is restored, the program restarts from where it left off and routinely completes the cycle.



AUTOMATIC FUNCTIONS

The automatic Z-Drying function allows for uniform pre-drying at a constant

WHY CHOOSE THE VARIO PRESS 300E FURNACE?



- ☺ Uniform heating
- ☺ Safe
- ☺ Efficient heating
- ☺ 500 memory settings
- ☺ Large firing chamber for ideal heat distribution

VARIO FURNACE

EXCELLENT FIRING FURNACES FOR STRATIFIED CERAMICS

The **Vario 200/200Z** furnaces are high-performance ceramic firing furnaces, the only one in the world with a 120-mm internal diameter.

This feature, together with the height of the electric heating element of about 60 mm, allows the item being fired to be kept at least 20 mm away from the heating element.

The uniform temperature distribution on the firing base and the optimal temperature on the item allow perfect sintering to be achieved of the ceramic dental material, even if multiple items are fired in a single cycle.

The firing of dental ceramics on zirconium oxide poses a high risk of micro-fractures after cooling. The **Vario 200 ZR** solves this problem with the **TTC system** (Time-Temperature-Cooling). The Vario 200 and 200Zr furnaces feature the signature TTC system.

FOCUS



WIDE FIRING PLATE USE

Precision electronics combined with the new design, balances the temperature over the entire work area, thus using a larger part of the firing plate.



LINEAR COOLING

The TTC system allows you to achieve a controlled linear cooling by setting a heat gradient between 5°C/min and 45°C/min.



AUTOMATIC FUNCTIONS

The automatic Z-Drying function allows for uniform pre-drying at a constant temperature and reduces the formation of cracks or bubbles



RELIABLE

The **Power Fail Control (PFC)** safety system intervenes in the event of a power failure: when it is restored, the program restarts from where it left off and routinely completes the cycle.

Thanks to the innovative design of the external firing chamber and electronic control of the return to the temperature range below the vitrification point, both the formation of micro-cracks and the dreaded “chipping” are avoided.

Features of Vario 200ZR Zubler

- 230 V~ 50/60Hz, 1300 W
- B x T x H: 360 x 425 x 640mm
- Weight: 25 kg

Initial supply:

- 1 ceramics firing support
- 1 network cable
- 1 user instruction manual
- 1 Zubler USB Key
- 1 standard firing base
- 1 pair of long tongs



Vario 200 ZUBLER furnace

Code 88S-898042

EURO 4,247.00

Vario 200 ZR ZUBLER furnace

Code 88S-898042ZR

EURO 4,669.00

WHY CHOOSE A VARIO PRESS 200 ZR FURNACE?

- 🦷 Firing of multiple elements in a single cycle
- 🦷 Anti-micro-cracking cooling with “chipping” effect
- 🦷 Time saving
- 🦷 Reinforced glass display



VARIO FURNACE

EXCELLENT FIRING FURNACES
FOR STRATIFIED AND PRESSED CERAMICS

MODEL P3 DRY VACUUM PUMP - compatible with all ceramic furnaces
Code 88S-898052

EURO

690.00



Dosing scale Zubler Vario Balance

The many different types of materials processed in the laboratory with casting or pressing procedures call for precise calculations and the exact weighing of the coating material components.

Vario Balance is a dosing scale that makes weighing liquids and powders simple and avoids errors because it calculates the quantities to be mixed with extreme precision.

It is finally possible to eliminate the laborious and inaccurate weighing procedure often using non-calibrated measuring devices: liquid, water and powder are placed directly in the mixing container. After adding the desired concentration value, the unit shows the correct percentage of the components and allows the individual mixing programs to be saved. IT IS ALSO POSSIBLE TO CATALOGUE THE COATING MATERIALS ON AS MANY AS 50 MEMORY LEVELS.

Moreover, it guarantees reproducible results when preparing casting and pressing muffles, and facilitates processing in the case of investment materials and plasters contained in large packages.

MAXIMUM PRECISION, PERFECT BALANCE BETWEEN POWDERS AND LIQUIDS.

The steps to perform during the weighing process are clearly indicated and displayed on the screen. The indication of the residual quantity during the weighing of the liquid and water makes it easier to mix the perfect concentration.

The quantity of powder to add in the mixer based on the liquid added is calculated and shown on the display.

When adding the powder, it is possible to constantly read the residual amount required to reach the expansion selected for the coating material. **It is no longer necessary to pre-mix and preserve different liquid concentrates.**

In the case of items of different sizes and shapes, if it is necessary to carry out the investment by adopting extremely accurate concentration values to achieve the desired precision, all you have to do is set the value on the unit.



Zubler VARIO Balance

Code DF-898420

EURO 449.00

MICROMOTORS

TECHNOLOGY SUPPORTING THE LABORATORY

Zubler VARIOstar D50 Micromotor

The Zubler VARIOstar D50 micromotor is an excellent investment for the laboratory that wants a solution for all types of processing.

It is a reliable and powerful device with an unbeatable price-quality ratio which you can try out before buying it. You can have a free two-week trial with no obligation, after which you can decide whether to purchase it or not.

TECHNOLOGY SUPPORTING YOUR ABILITIES

Unbeatable made in Germany quality for this per **VARIOstar D50** micromotor with a benchtop control unit, **VARIO** pedal control and **VARIOstar handpiece**.

-  Handpiece holder
-  Spindle port 2.35 mm
-  7.8 Nm with full load
-  Speed range of 50,000 U/min
-  Right/left rotation



VARIOSTAR D50 MICROMOTOR W/PEDAL Code 88S-3122	EURO	895 ⁰⁰
VARIOSTAR D50 MICROMOTOR W/LEVER Code 88S-3132	EURO	895 ⁰⁰
VARIOSTAR D50 MICROMOTOR W/KNEE CONTROL Code 88S-3142	EURO	895 ⁰⁰

VARIOstar T50 micromotor

The Zubler VARIOstar T50 micromotor is an excellent investment for the laboratory that wants a solution for all types of processing.

It is a reliable and powerful device with an unbeatable price-quality ratio which you can try out before buying it.

You can have a free two-week trial with no obligation, after which you can decide whether to purchase it or not.

TECHNOLOGY SUPPORTING YOUR ABILITIES

Unbeatable made in Germany quality for this per **VARIOstar D50** micromotor with a benchtop control unit, **VARIO** pedal control and **VARIOstar handpiece**.

Available in three versions: **benchtop unit with pedal, benchtop unit with left/right pedal control lever, benchtop unit configured for knee control.**



VARIOSTAR T50 MICROMOTOR W/PEDAL Code 88S-3152	EURO	945 ⁰⁰
VARIOSTAR T50 MICROMOTOR W/LEVER Code 88S-3162	EURO	945 ⁰⁰
VARIOSTAR T50 MICROMOTOR W/KNEE CONTROL Code 88-3172	EURO	945 ⁰⁰

Universal handpiece for VARIOstar

The Vario Star handpiece **adapts perfectly** to the operator's hand and facilitates his/her work without fatigue.



VARIOSTAR HANDPIECE / VARIOSTAR HANDPIECE Code 88S-3002	EURO	530 ⁰⁰
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MICROMOTORS

TECHNOLOGY SUPPORTING THE LABORATORY

Zubler VARIOstar K50 Micromotor

The Zubler VARIOstar K50 micromotor is an excellent investment for the laboratory that wants a solution for all types of processing.

It is a reliable and powerful device with an unbeatable price-quality ratio which you can try out before buying it.

You can have a free two-week trial with no obligation, after which you can decide whether to purchase it or not.

TECHNOLOGY SUPPORTING YOUR ABILITIES

Unbeatable Made in Germany quality for this **VARIOstar K50** Micromotor with milling spindle holder, digital speed display and safety switch.

Available in the knee control version.



VARIOSTAR K50 MICROMOTOR WITH KNEE CONTROL
Code 88S-3112

EURO 1,135⁰⁰



NEW ANT 4K

THE QUALITY OF 3D PRINTING IN SPACE-SAVING DIMENSIONS

Intuitive, fast and precise

NEW ANT 4K is the simple and compact 3D LCD printer with which the professional user can quickly obtain the desired results, thus saving time and increasing the number of patients.

NEW ANT 4K is the perfect printer if you are looking for high performance in compact size without the need for specific IT skills.

FOCUS



SPEED

Only two steps to level the printing platform. This and its efficiency ensure a unique operating speed.



RELIABILITY

Thanks to HD printing, USB Plug&Play printing and proprietary slicing software, **NEW ANT 4K** ensures unprecedented reliability



EASE-OF-USE

Easy and intuitive to use, the **NEW ANT 4K** printer is suitable for inexperienced users as well



SAVINGS

NEW ANT 4K offers an excellent quality-price ratio: the ideal choice for anyone who wants to start using the additive manufacturing technique



Why choose a 3D printer?

Producing your own work has never been so intuitive. Thanks to the system that guides the professional user to calibrate the printing plate in just 2 steps.

Thanks to high-definition 4K printing, the professional user can obtain print detail up to 10 Microns. With **NEW ANT 4K**, you will have no connection problems thanks to the USB Plug & Play printing mode and, thanks to the dedicated software, you will have an amazing experience where you can appreciate the speed of operation and simplicity, requiring no significant previous experience.

The UV projection system has been designed to offer uniform and long-lasting lighting.

The benefits of the 3D NEW ANT printer

- 1 **TOUCH SCREEN**
Easy-to-use, real time view of the print status
- 2 **OFF-LINE PRINTING**
Built-in operating system which supports off-line printing, improving print stability
- 3 **SINGLE RESIN TRAY**
Adjusting and replacing the FEP film is easy and saves on operating costs
- 4 **COMPATIBILITY**
NEW ANT 4K is open to the main resins on the market, compatible with both LCD resins and most DLP resins

WHY CHOOSE NEW ANT 4K?

- System UV display for HD (4K) printing that allows you to obtain printing details with resolution up to 10 Micron
- Highly efficient levelling system: only two steps to complete the printing platform levelling
- High system uptime. The USB plug & play print modes ensure a stable connection
- Open-source slicing software with fast operation which does not require previous experience
- New Ant 4K uses a heat-stable monochrome LCD. Life cycle of over 2,000 hours
- Monitor with 3-month warranty



NEW ANT 4K

THE QUALITY OF 3D PRINTING IN SPACE-SAVING DIMENSIONS

4K screen with 6.1" print area: 3840 x 2160 high definition. Printing at 35 µm with 722 PPI, the highest PPI ever, with a print area of 6.1"



NEW ANT 4K 3D PRINTER

Includes:
Installation, video course for installation and use of the printer, print profiles for our resins included and remote support for one year plus supply of print profiles for resins 88DENT

code 88S-NEWANT4K

EURO **650.00**



LUNA UV CURING FURNACE

code 88S-FPRES

EURO **350.00**



FEP FILM

MISURA 4

code 88S-CSFEP2921

EURO **25.00**



DISPOSABLE FILTER T4W FOR PRINTER

RESIN FILTER, DIMENSIONS: 125 µm

code 88S-59356

EURO **2.00**



DIGITAL ULTRASONIC CLEANER

WITH 2-LITRE STEEL TANK, HEATER AND TIMER

code 88S-PULT

EURO **160.00**

TECHNICAL DATA

Slicing software	Chitu Box V1.7.0
Connectivity	USB
Technology	Resin 3D printer - LCD
Light source	405 nm ParaLED 2.0
XY resolution	35 µm
Layer thickness	0.01-0.30 mm
Print volume (LxDxH)	13.2 x 7.3 x 13 cm
Printing speed	80 mm/h
Power requirements	AC 100-240 V ~ 50/60 Hz
Rated frequency	50-60 Hz
Printer dimensions (LxDxH)	25x25x33 cm
Printer weight	5 Kg

RECOMMENDED RESINS

We personally select and test the right resins by calibrating them with New Ant 4k printer, guaranteeing you an optimal result from the very first use.

RESIN FOR MODELS

500 g. pack - colour: GREY

Code 88S-23685

EURO **95.00**



LIGHT-CURED RESIN FOR THE GENERATIVE PRODUCTION OF DENTAL MODELS.

For all LED printers with a 405 nm wave length. Precise reproduction of details, maximum surface hardness and shape stability. The production precision, tactile feel and stability meet the high demands of model making. Opaque shading for optical recognition of the surface structure, preparation margins, etc.

NEW ANT 4K

THE QUALITY OF 3D PRINTING IN SPACE-SAVING DIMENSIONS



OPTIPRINT RESIN - Temporary uses

FOR TEMPORARY BRIDGES AND CROWNS CLASS IIA PRODUCT RATING HIGH LEVEL OF MECHANICAL STABILITY NATURAL LOOK

Temp 385 - 500 g. pack - Colour A2
Code PPTM3A25 EURO **164.00**

Temp 385 - 500 g. pack - Colour A3
Code PPTM3A35 EURO **164.00**

Temp 385 - 500 g. pack - Colour B2
Code PPTM3B25 EURO **164.00**

RESIN FOR CASTING - Castable

500 g. pack - colour: VIOLET
Code 88S-EASYCAST-VIOLET EURO **130.00**



LIGHT-CURING RESIN FOR THE GENERATIVE PRODUCTION OF CASTING OBJECTS IN THE PRECISION CASTING TECHNIQUE.

Castable with no residue in the mould even with large volume items. Moulding with standard phosphate-bonded investment masses. Precise reproduction of the finest surface structures. Low viscosity for reduced consumption of material and faster cleaning. Highly safe process and production precision.

OPTIPRINT DENTURE RESIN - for surgical dimes 500 g. pack - color: LIGHT PINK

Cod. PPDN3LP5

EURO **145.90**



Optiprint Denture is a biocompatible class IIa medical product, special for the economical production of denture bases using 3D printing technology.

The special resin is superior to conventional denture resins in terms of mechanical strength and, thanks to its translucent color, offers the technician the possibility of customizing the denture base as usual to customize the prosthetic base as usual. Registered Class IIa.

SPARE PARTS AND ACCESSORIES FOR 3D PRINTING

Digital ultrasonic cleaner 2L
Code 88S-PULT

Cleaning device with stainless steel tank and Backlit LCD screen EURO **160.00**

Luna UV curing furnace
Code 88S-FPRES

EURO **350.00**

T4W, Resin filter (dimensions: 125 μ)
Code 88S-59356

EURO **2.00**

DENTONA OPTPRINT CLEANER 1 LT
Code PPCL

EURO **21.90**



AESTHETIC FINISH

Creating a high-quality prosthetic product means firstly carefully selecting the most suitable materials for the different types of devices and the milling machines with which to manage this phase.

AESTHETIC FINISH

88VERA

LABORATORY COMPOSITE



Application areas indirect, fixed and removable restorations

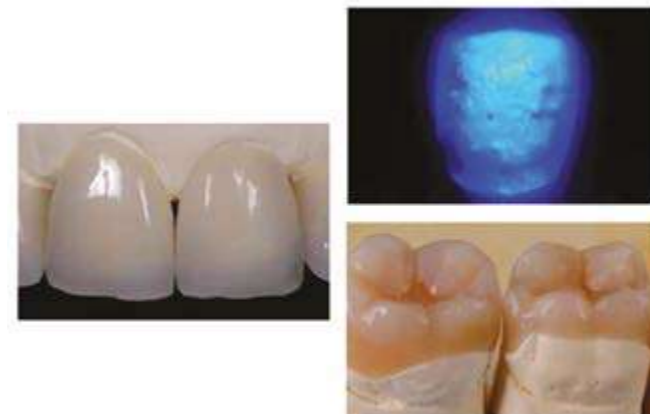
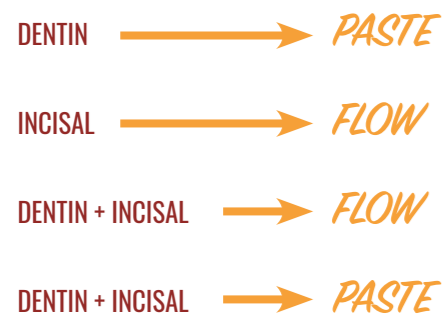
- 🦷 CROWNS AND BRIDGES
- 🦷 INLAYS / ONLAYS
- 🦷 IMPLANT STRUCTURES
- 🦷 VENEERS

The idea:

FLOW MASS for simple layering with not overly liquid consistency

FLOW MASS and PASTE MASS with similar features.

Perfect combination of FLOW MASS and PASTE MASS.



Benefits for the patient:

- 1 Low plaque formation
- 2 Excellent aesthetic appeal in restorations
- 3 Total colour stability
- 4 Highly resistant to abrasion

Benefits of the operator:

- 1 Total freedom of choice between PASTE & FLOW *(with spatula or brush, as preferred)*
- 2 Easy colour scheme *> Economic and fast!*
- 3 Incisal masses = Occlusal masses *> Economic and fast!*
- 4 Extremely simple systematic process *> Ideal for daily uses!*
- 5 Highly uniform flow masses *> Can be applied directly with a syringe*
- 6 The structure can also be coated with thin layers *> min. 0.7-0.8 mm / max 2mm*
- 7 Ultra-compact material with no inclusions
- 8 Calibrated transparency
- 9 Cervical masses not required

The benefits of 88Vera Paste & Flow:

- 1 Alternative product to ceramic
- 2 Reduced risk of failure
- 3 Easy to use
- 4 Minimally invasive and minimal preparation
- 5 For composite veneers
- 6 It is possible to try the restoration before cementing, thanks to its features.

Systematic benefits

- 1 Excellent mass coverage capability > *balanced intensity and opacity*
- 2 Excellent coverage with thin layers too
- 3 Excellent final result

The benefits of the system:

- 1 PASTE + FLOW is suitable for daily work and for all types of laboratories

Shelf life: Opaquer 3 years, Composite in paste 5 years, Composite flow 4 years

88VERA**LABORATORY
COMPOSITE****Laboratory composite and accessories**

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
88 Vera C&B Bonding	7 ml	88V-420354	EURO	29.00
88 Vera C&B Cover	4 g	88V-443777	EURO	13.60
88 Vera Metal Cem	5 g	88V-438241	EURO	58.80
88Vera ZR Cem	8 g	88V-438240	EURO	69.90

88 VERA C&B COMPOSITE PASTE

A1 B1	5 g	88V-443790	EURO	35.00
A2 B2	5 g	88V-443791	EURO	35.00
A3	5 g	88V-443792	EURO	35.00
A3,5	5 g	88V-443793	EURO	35.00
A4	5 g	88V-443794	EURO	35.00
B3 B4	5 g	88V-443795	EURO	35.00
C2 C3 C4	5 g	88V-443796	EURO	35.00
C1 D2 D3 D4	5 g	88V-443797	EURO	35.00
58	5 g	88V-443799	EURO	35.00
59	5 g	88V-443800	EURO	35.00
60	5 g	88V-443801	EURO	35.00
CLEAR	5 g	88V-443802	EURO	35.00
LIGHT	5 g	88V-443803	EURO	35.00

88 VERA C&B COMPOSITE FLOW

A1 B1	3 g	88V-443758	EURO	23.80
A2	3 g	88V-443759	EURO	23.80
A3	3 g	88V-443760	EURO	23.80

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
A3,5	3 g	88V-443761	EURO	21.00
B3 B4	3 g	88V-443763	EURO	21.00
C2 C3	3 g	88V-443764	EURO	21.00
D2 D3	3 g	88V-443765	EURO	21.00
58	3 g	88V-443774	EURO	21.00
59	3 g	88V-443775	EURO	21.00
60	3 g	88V-443776	EURO	21.00
CLEAR	3 g	88V-443783	EURO	21.00
88 VERA C&B MODELLING	5 ml	88V-443100	EURO	21.00

88 VERA C&B OPAQUER PASTE

LIGHT	3 g	88V-443766	EURO	29.00
MEDIUM	3 g	88V-443767	EURO	29.00
DARK	3 g	88V-443768	EURO	29.00
BONDOPAKER PINK	5 g	88V-440068	EURO	50.00

88 VERA METAL PRIMER	5 ml	88V-440066	EURO	89.20
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88 VERA ZR PRIMER	5 ml	88V-440038	EURO	81.00
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C&B GINGIVA PASTA LIGHT	5 g	88V-434200	EURO	35.00
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88 VERA GINGIVA COMPOSITE PASTE

MEDIUM	5 g	88V-434201	EURO	35.00
DARK	5 g	88V-434202	EURO	35.00
SUPER DARK	5 g	88V-434668	EURO	35.00

C&B GINGIVA FLOW LIGHT	5 g	88V-434160	EURO	23.80
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88 VERA GINGIVA COMPOSITE FLOW

MEDIUM	3 g	88V-434161	EURO	23.80
DARK	3 g	88V-434162	EURO	23.80
SUPER DARK	3 g	88V-434667	EURO	23.80

88VERA

LABORATORY COMPOSITE



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
88 VERA GEL EFFECTS				
WHITE	1 g	88V-443050	EURO	21.00
BLUE	1 g	88V-443051	EURO	21.00
ORANGE	1 g	88V-443055	EURO	21.00
KHAKI	1 g	88V-443056	EURO	21.00
DARK BROWN	1 g	88V-443053	EURO	21.00
RED	1 g	88V-443074	EURO	21.00
BLACK	1 g	88V-443075	EURO	21.00
88 VERA POLISHING PASTES NEW				
Polishing paste	2 g	88V-435010	EURO	34.00
Glaze paste	35 g	88V-435011	EURO	42.00



88 Vera intro kit METAL (CHOICE OF COLOURS)

Code 88V-INTROKIT-M

- ✓ 1 x Metal Primer - 3 g
- ✓ 1 x Opaquer paste - 3g
- ✓ 1 x Dentin paste
- ✓ 1 x Enamel paste
- ✓ 1 x Clear flow
- ✓ 1 x Modelling liquid - 5 ml
- ✓ 1 x 88 Bonding - 7 ml
- ✓ 1 x 88 Cover - 4 g

EURO 252.00

88 Vera starter kit METAL-FREE (CHOICE OF COLOURS)

Code 88V-INTROKIT

- ✓ 1 x Dentin paste
- ✓ 1 x Enamel paste
- ✓ 1 x Clear flow
- ✓ 1 x Modelling liquid - 5 ml
- ✓ 1 x 88 Bonding - 7 ml
- ✓ 1 x 88 Cover - 4 g

EURO 129.00



88 Vera kit GINGIVAL PASTE

Code 88V-GINGPAKIT

- ✓ 1 x Bondopaker Pink
- ✓ 1 x 88 Bonding
- ✓ 1 x 88 Modelling
- ✓ 1 x 88 Cover
- ✓ 1 x Gingival Paste Light
- ✓ 1 x Gingival Paste Medium
- ✓ 1 x Gingival Paste Dark
- ✓ 1 x Gingival Paste Super-Dark

EURO 210.00

88 Vera kit GINGIVAL FLOW

Code 88V-GINGFLKIT

- ✓ 1 x Bondopaker Pink
- ✓ 1 x 88 Bonding
- ✓ 1 x 88 Modelling
- ✓ 1 x 88 Cover
- ✓ 1 x Gingival Flow Light
- ✓ 1 x Gingival Flow Medium
- ✓ 1 x Gingival Flow Dark
- ✓ 1 x Gingival Flow Super-Dark

EURO 145.00

88PRESS

CERAMIC PRESS BLANKS

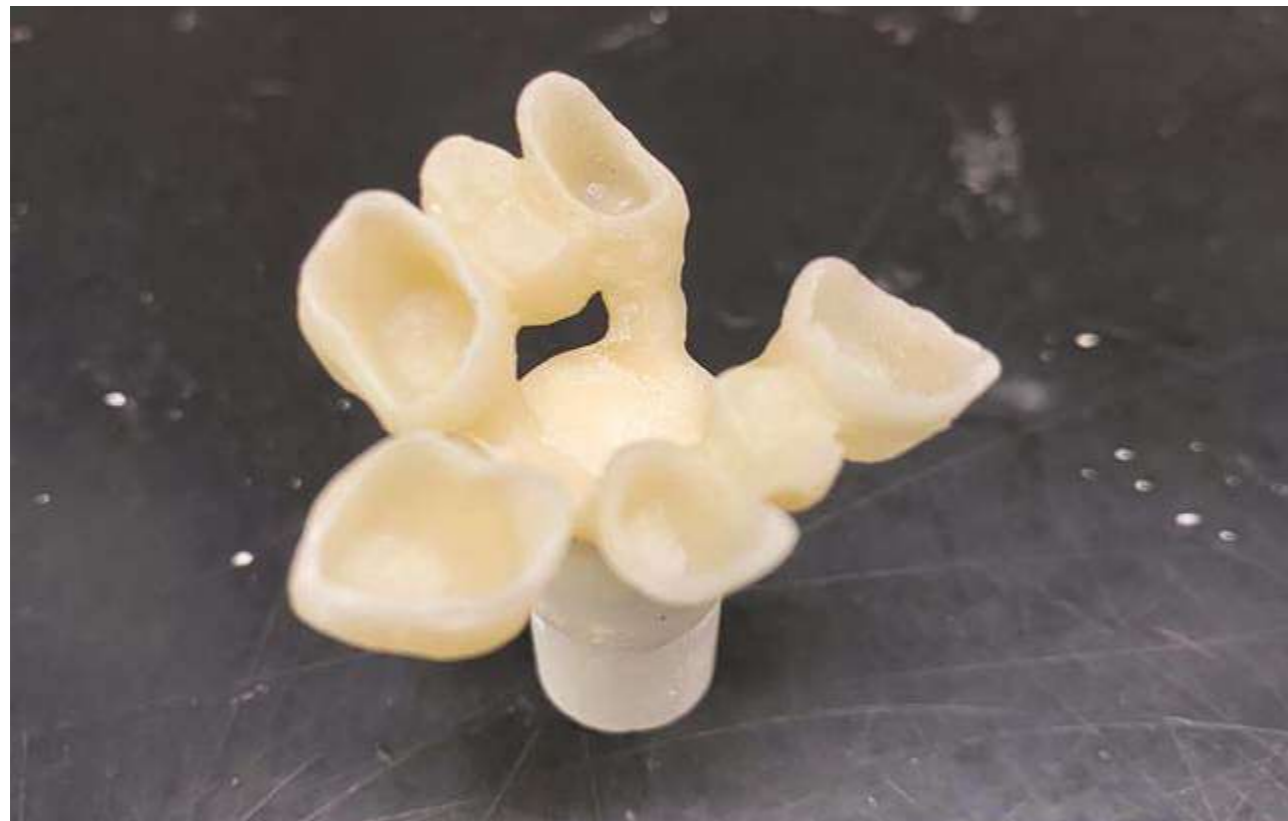


88 PRESS are ceramic press blanks with high-resistance lithium disilicate glass ceramic base.

The tooth shading was carried out on a VITA® classical sample base (Translucence SL) and in special shades (translucence S and L). **88 PRESS** is a material for dental application and use is strictly reserved for qualified professionals.

The high mechanical resistance and optical properties make **88 PRESS** suitable for pressing all single restorations (anterior and posterior crowns, veneers, inlays, partial crowns/onlays), anterior three-unit bridges as well as three-unit bridges including the second premolar as a terminal element.

Observe all the minimum thicknesses and cross sections of the connectors with care. The pressed objects can be finished with the layering (3G ceramic) or staining with 88 stains and 88 glazes.



- ☞ NATURAL LOOK
- ☞ CAN BE PRESSED IN ANY FURNACE
- ☞ NO NEED FOR CLEANING WITH ACID
- ☞ HIGH PHYSICAL/MECHANICAL FEATURES
- ☞ THREE LEVELS OF OPACITY FOR ALL AESTHETIC REQUIREMENTS

88press price list

DESCRIPTION	CONTENT	ARTICLE CODE		PRICE
TRANSLUCENT L BLANKS FOR LAYERING TECHNIQUE - Pack of 5				
● L1	3 g	88C-P56223	EURO	74.45
● L2	3 g	88C-P56233	EURO	74.45
● L3	3 g	88C-P56243	EURO	74.45
● L5	3 g	88C-P56263	EURO	74.45
TRANSLUCENT SL BLANKS FOR SHADING/LAYERING TECHNIQUE - Pack of 5				
● SLB1	3 g	88C-P56083	EURO	74.45
● SLB2	3 g	88C-P56093	EURO	74.45
● SLB3	3 g	88C-P56103	EURO	74.45
● SLC2	3 g	88C-P56133	EURO	74.45
● SLC3	3 g	88C-P56143	EURO	74.45
● SLD2	3 g	88C-P56163	EURO	74.45
● SLD3	3 g	88C-P56173	EURO	74.45
TRANSLUCENT S BLANKS FOR SHADING TECHNIQUE - Pack of 5				
● S1	3 g	88C-P56273	EURO	74.45
● S2	3 g	88C-P56283	EURO	74.45
● S3	3 g	88C-P56293	EURO	74.45

88CERAM

LATEST-GENERATION CERAMIC



The **88CERAM** line is designed to be easy to use and to cover a wide range of applications. It is also supplied with a choice of different ceramic “pellets” for full pressing-casting ceramic and pressing-casting on metal or zirconium structures. The range includes a complete selection of different powders, pastes, paint colours and liners, perfectly coordinated for use on precious and non-precious alloys, titanium and zirconium.

88COLORS

A complete range of fluorescent and non-fluorescent stains to guarantee an unbeatable aesthetic result. Four fluorescent chromas with two different shadings (light and non-light) to balance the colours simply and precisely. A series of colours selected by expert dental technicians to modify the value and reinforce the shade where necessary.

Single-layer ceramic: **88CERAM** “Just One” and TZR:

The exclusive use of 3 ceramic masses to obtain 16 colours is now possible!

These translucent, balanced powders, designed to help the dental technician obtain, with minimal effort, stratified ceramic restorations over a previous conventional structure: **88CerAM MC** opaque if in metal, **88CerAM DZR** liner if in zirconium and **88CerAM TZR** opaque if in titanium.

The single powder layering method gives complete control over the anatomy as well as reliable, trustworthy result.

The final shade will be customised and created at the end. Once stained and polished, it will be virtually impossible to distinguish the final restoration from a multi-layered ceramic finish. This technique is faster and more cost effective compared to the conventional technique resulting in an increase in profit.

“Just One” **ceramic materials** are compatible with the respective conventional build-up powders.

Full ceramic: **88CERAM** “Just One”:

the **88PRESS MC** pellets have been developed to be pressed on precious and on-precious dental alloys, with a heat expansion coefficient between 13.8 and 14.8 $\mu/m K$ (25-500 °C).

There is currently no better method for producing ceramic closures, emergency profiles for implants, perfect functional occlusal surfaces and anatomical shapes.

88CerAM PRICE LIST

DESCRIPTION	CONTENT	ARTICLE CODE		PRICE
VITA* CLASSIC 950°C OPAQUER IN PASTE FORM				
A1	5 g	88C-500132	EURO	38.60
A2	5 g	88C-500133	EURO	38.60
A3	5 g	88C-500134	EURO	38.60
A3,5	5 g	88C-500135	EURO	38.60
A4	5 g	88C-500136	EURO	38.60
B1	5 g	88C-500139	EURO	38.60
B2	5 g	88C-500140	EURO	38.60
B3	5 g	88C-500141	EURO	38.60
B4	5 g	88C-500142	EURO	38.60
C1	5 g	88C-500143	EURO	38.60
C2	5 g	88C-500144	EURO	38.60
C3	5 g	88C-500145	EURO	38.60
C4	5 g	88C-500146	EURO	38.60
D2	5 g	88C-500147	EURO	38.60
D3	5 g	88C-500148	EURO	38.60
D4	5 g	88C-500149	EURO	38.60
WHITE	5 g	88C-500150	EURO	38.60
ORANGE	5 g	88C-500151	EURO	38.60
BROWN	5 g	88C-500152	EURO	38.60
PINK	5 g	88C-500153	EURO	38.60
VIOLET	5 g	88C-500154	EURO	38.60

88 CERAM

LATEST-GENERATION CERAMIC



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
JUST ONE MONOMASS - CLASSIC				
LIGHT	20 g	88-MC501421	EURO	34.95
MEDIUM	20 g	88-MC501422	EURO	34.95
DARK	20 g	88-MC501423	EURO	34.95
MEDIUM	50 g	88C-501482	EURO	75.80
DARK	50 g	88C-501483	EURO	75.80
MARGIN	20 g	88C-501203	EURO	34.95
CLASSIC GINGIVAL	20 g	88C-501427	EURO	34.95
JUST ONE PELLETS - CLASSIC				
Just One LIGHT pellets	5x2 g	88C-504671	EURO	84.45
Just One MEDIUM pellets	5x2 g	88C-504672	EURO	84.45
Just One DARK pellets	5x2 g	88C-504673	EURO	84.45
Just One LIGHT pellets	5x5 g	88C-504671-5	EURO	192.50
Just One MEDIUM pellets	5x5 g	88C-504672-5	EURO	192.50
Just One DARK pellets	5x5 g	88C-504673-5	EURO	192.50
JUST ONE INCISALS - CLASSIC				
Incisal GREY	20 g	88C-501536	EURO	34.95
Incisal CLEAR	20 g	88C-501521	EURO	34.95
Incisal WHITE	20 g	88C-501520	EURO	34.95

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
SUPERCOLORS - CLASSIC				
Shade A light fluor	3 g	88C-502005	EURO	41.10
Shade B light fluor	3 g	88C-502006	EURO	41.10
Shade C light fluor	3 g	88C-502007	EURO	41.10
Shade D light fluor	3 g	88C-502008	EURO	41.10
Shade A fluor	3 g	88C-502001	EURO	41.10
Shade B fluor	3 g	88C-502002	EURO	41.10
Shade C fluor	3 g	88C-502003	EURO	41.10
Shade D fluor	3 g	88C-502004	EURO	41.10
WHITE fluor	3 g	88C-502009	EURO	41.10
YELLOW fluor	3 g	88C-502011	EURO	41.10
SAND fluor	3 g	88C-502012	EURO	41.10
ORANGE fluor	3 g	88C-502015	EURO	41.10
VIOLET fluor	3 g	88C-502022	EURO	41.10
BLUE fluor	3 g	88C-502020	EURO	41.10
BROWN fluor	3 g	88C-502024	EURO	41.10
DARK BROWN fluor	3 g	88C-502026	EURO	41.10
GREY fluor	3 g	88C-502029	EURO	41.10
GREY COMPLEX fluor	3 g	88C-502023	EURO	41.10
BLUE GREY fluor	3 g	88C-502021	EURO	41.10
BLACK fluor	3 g	88C-502031	EURO	41.10
INTENSIVE ORANGE fluor	3 g	88C-502023	EURO	41.10
INTENSIVE DARK BROWN fluor	3 g	88C-502034	EURO	41.10
GLAZE paste	3 g	88C-500071	EURO	47.80

88CERAM

LATEST-GENERATION
CERAMIC



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
VITA* CLASSIC OPAQUER 950°C COLOURS IN POWDER FORM				
A1	20 g	88C-501132	EURO	36.05
A2	20 g	88C-501133	EURO	36.05
A3	20 g	88C-501134	EURO	36.05
A3,5	20 g	88C-501135	EURO	36.05
A4	20 g	88C-501136	EURO	36.05
B1	20 g	88C-501139	EURO	36.05
B2	20 g	88C-501140	EURO	36.05
B3	20 g	88C-501141	EURO	36.05
B4	20 g	88C-501142	EURO	36.05
C1	20 g	88C-501143	EURO	36.05
C2	20 g	88C-501144	EURO	36.05
C3	20 g	88C-501145	EURO	36.05
C4	20 g	88C-501146	EURO	36.05
D2	20 g	88C-501147	EURO	36.05
D3	20 g	88C-501148	EURO	36.05
D4	20 g	88C-501149	EURO	36.05
LIQUIDS				
Opaquer liquid	20 ml	88C-500507	EURO	15.50
Glaze LIQUID	20 ml	88C-500506	EURO	15.50
Modelling liquid	50 ml	88C-500500	EURO	19.10
Modelling liquid	250 ml	88C-500250	EURO	62.55

88DZR PRICE LIST

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
LINER UNIVERSALI "DZR"				
Liner 1	5 g	88C-508160	EURO	14.75
Liner 2	5 g	88C-508161	EURO	14.75
Liner 3	5 g	88C-508162	EURO	14.75
Liner 4	5 g	88C-508163	EURO	14.75
Liner 5	5 g	88C-508164	EURO	14.75
Liner Neutral	5 g	88C-508165	EURO	14.75
Margin 1	5 g	88C-509230	EURO	43.55
OPAL INCISAL (20G)				
Incisal 1	20 g	88C-509506	EURO	40.20
Incisal 2	20 g	88C-509507	EURO	40.20
Incisal 3	20 g	88C-509508	EURO	40.20
Incisal 4	20 g	88C-509509	EURO	40.20
Add-On Incisal	20 g	88C-509505	EURO	40.20
OPAL (20G)				
Super Clear	20 g	88C-509522	EURO	40.20
Clear	20 g	88C-509541	EURO	40.20
Light	20 g	88C-509542	EURO	40.20
Neutral	20 g	88C-509543	EURO	40.20
White	21 g	88C-509544	EURO	40.20
MARGIN				
Margin SM1	20 g	88C-509230	EURO	43.55

CERAMIC

88CERAM

LATEST-GENERATION
CERAMIC



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
BODY (20G)				
Body A1	20 g	88C-509402	EURO	40.20
Body A2	20 g	88C-509403	EURO	40.20
Body A3	20 g	88C-509404	EURO	40.20
Body A3,5	20 g	88C-509405	EURO	40.20
Body A4	20 g	88C-509406	EURO	40.20
Body B1	20 g	88C-509409	EURO	40.20
Body B2	20 g	88C-509410	EURO	40.20
Body B3	20 g	88C-509411	EURO	40.20
Body B4	20 g	88C-509412	EURO	40.20
Body C1	20 g	88C-509413	EURO	40.20
Body C2	20 g	88C-509414	EURO	40.20
Body C3	20 g	88C-509415	EURO	40.20
Body C4	20 g	88C-509416	EURO	40.20
Body D2	20 g	88C-509417	EURO	40.20
Body D3	20 g	88C-509418	EURO	40.20
Body D4	20 g	88C-509419	EURO	40.20
ITI TRANSLUCENT (20G)				
WHITE	20 g	z	EURO	40.20
YELLOW	20 g	88C-509530	EURO	40.20
ORANGE	20 g	88C-509530	EURO	40.20
BLUE	20 g	88C-509530	EURO	40.20
GREY	20 g	88C-509536	EURO	40.20

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
PINK	20 g	88C-509537	EURO	40.20
AMBER	20 g	88C-509538	EURO	40.20
OPAL INCISAL (20G)				
Gengival LIGHT	20 g	88C-509425	EURO	40.20
Gengival DARK	20 g	88C-509427	EURO	40.20
BODY MODIFIER (20G)				
White	20 g	88C-509430	EURO	40.20
Yellow	20 g	88C-509431	EURO	40.20
Orange	20 g	88C-509432	EURO	40.20
Brown	20 g	88C-509433	EURO	40.20
Pink	20 g	88C-509434	EURO	40.20
Violet	20 g	88C-509435	EURO	40.20
Blue	20 g	88C-509436	EURO	40.20
ADD-ON (20G)				
Add-On Incisal	20 g	88C-509505	EURO	40.20
Add-On Body	20 g	88C-509420	EURO	40.20
"DZR" LIQUIDS				
Margin Liquid	50 ml	88C-500508	EURO	19.90
Modelling liquid	50 ml	88C-500500	EURO	19.90
Modelling liquid	250 ml	88C-500250	EURO	62.55

88CERAM

LATEST-GENERATION CERAMIC



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE
CHROMA MODIFIER (20G)			
Chroma A	20 g	88C-509471	EURO 40.20
Chroma B	20 g	88C-509472	EURO 40.20
Chroma C	20 g	88C-509473	EURO 40.20
Chroma D	20 g	88C-509474	EURO 40.20

88CERAM "TZR" Price list

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE
MONOMASSA JUST ONE "TZR"			
Light	20 g	88C-508421	EURO 40.20
Medium	20 g	88C-508422	EURO 40.20
Dark	20 g	88C-508423	EURO 40.20
Margin	20 g	88C-508203	EURO 43.55
Just One Medium	50 g	88C-508482	EURO 81.05
OPACHI POLVERE TZR (15G)			
OPACO polv. light	15 g	88C-508109	EURO 31.35
OPACO polv. medium	15 g	88C-508104	EURO 31.35
OPACO polv. dark	15 g	88C-508106	EURO 31.35

CERAMIC

88CERAM

LATEST-GENERATION
CERAMIC



Plungers:

Suitable for pressing dental ceramic material and lithium disilicate.

Their exceptional quality and exact dimensions ensure the reproducible results in the pressing of all muffle sizes.

Disposable **Plungers** do away with need for laborious sandblasting of aluminium plungers redundant, which loses the perfect shape every time they are sandblasted, due to the removal of material.

The problem of concentric tension cracks in the transition area between ceramic and aluminium plungers has now been eliminated. Another advantage of the disposable plunger is time saving, as the long cooling periods required for aluminium plungers is not necessary.

MICROSTAR PLUNGERS - diameter 16 mm Code DF-0237	EURO	64⁸⁰
MICROSTAR PLUNGERS - diameter 12 mm Code 88S-200235	EURO	85³²
MICROSTAR PLUNGERS - diameter 13 mm Code 88S-200238	EURO	85³²
SHORT MICROSTAR PLUNGERS - diameter 13 mm Code DF-0241	EURO	99⁰⁰

Universal coatings, for casting and pressing

CONCEPT PRESS

Special coating for lithium disilicate ceramic

This investment, specially developed for processing lithium disilicate glass ceramic material...

- 🦷 Perfect surfaces
- 🦷 A minimal reaction layer after pressing
- 🦷 Detailed reproduction of the pressed objects
- 🦷 Consistent expansion values thanks to stringent quality checks



DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
CONCEPT VEST™ in powder form - special coating for lithium disilicate ceramic				
concept vest coating	25X100 G	88S-8982066	EURO	92.00
concept vest coating	50X100 G	88S-8982065	EURO	149.00
88VEST COATING				
88Vest universal coating		88C-88VEST	EURO	121.00
LIQUID for 88VEST Universal coating				
LIQUID for coating	1 litre pack	JP-UNILIQ	EURO	20.00
MICROSTAR liquid for HS/HSPC COATING				
MICROSTAR liquid for coating	1 litre pack	88S-898204	EURO	25.00

88CERAM

LATEST-GENERATION
CERAMIC



Zubler coating

Coating materials for pressing technique of ceramic dental material

The special **Zubler Hs PC Speed** coating mass has been developed for the pressing technique of ceramic dental material. The exceptional physical features ensure consistent results even when pressing complex and thin models.

The ultra-thin surface structure ensures the reproduction of details in the range of microns. The high standard of production ensures the user uniform expansion values during processing.

- ☞ for the ceramic material being pressed
- ☞ repeatable results thanks to stringent quality checks
- ☞ suitable both for the rapid pre-heating technique and conventional heating

DESCRIPTION	CONTENT	ARTICLE CODE	PRICE	
MICROSTAR HS PC COATING				
Microstar HS PC	50x100 G - 5 kg	88S-8982015	EURO	154.00
Microstar HS	50x160 G - 8 kg	88S-8982025	EURO	99.00





TRAINING AND SUPPORT

TRAINING IS AN INTEGRAL PART OF DIGITIZATION

Creating a shared digital culture is one of our main goals which is why the company is set up not just to sell technology, but also to support the dentist and his or her trusted digital dental technician in every learning step: before, during and after the purchase.

We have built up extensive experience in the field of training by working closely with associations and universities.

We steer dentists towards complete and well-informed digitisation of the workflow through training events and demonstrations throughout Italy.

The speakers are specialists in the dental sector who have already discovered the advantages of this new way of working and who are, therefore, able to clearly convey not only how to operate the equipment and software, but also their value.

Moreover, to help our customers fully understand the potential of the products and to concretely evaluate the impact of technology in daily clinical practice, we have introduced THE **TRY & BUY*** SERVICE: a trial and tutoring period at the customer's dental practice.

*ON REQUEST - variable cost depending on the product

AFTER-SALES SUPPORT WITH ON-SITE ASSISTANCE IN THE LABORATORY AND REMOTE ASSISTANCE

88dent also supports its customers in the after-sales phase with a customer care service for all needs.

Laboratories that have purchased our products can count on a period of on-site support at the dental practice for training on equipment, as well as a period of remote support to learn how to use the software. There is also **a free telephone technical support service** via the TOLL FREE NUMBER IN ITALY **800 28 40 65** which is available 24/7.

With our support, the transition to the digital world will be straightforward, fast and efficient.

The workflow managed will become fluid and will fully meet the demands of both dentists and patients. The greater profitability generated by patients spending less time in the dentist's chair will help to increase work and the acquisition of new partners. The benefits will be evident within a few months.



THE COMPANY

ABOUT US

8853 S.p.A. is a leading Italian company with a long history in the precious metal and semi-finished products sector.

Founded over sixty years ago as Mario Villa Banco Metalli, thanks to the ideas and expertise of Mario Villa, the company's founder, and subsequently of his son, Giorgio Villa, the current CEO, 8853 S.p.A. is a multi-faceted, constantly evolving company. This is the secret that keeps it active and always up-to-date in its areas of expertise that range, with the various brands, from investment gold (orovilla.com), to the production of semi-finished products (labware.com) and the manufacture and distribution of latest-generation equipment for dentists and dental technicians (88dent.com).



8853 S.p.A., through the 88dent division - involved in the enhancement of oral health professionals - designs, produces and sells innovative and high-quality technological solutions for the dental sector.

THE ETHICAL AND COMMUNICATIONS SIDE OF THE DIGITAL WORLD

In a world transitioning towards digitisation, the "ethical and emotional" side should not be forgotten. New technology brings greater speed with very high levels of precision and significant savings in terms of time and money, both for the patient and the professional.

New partnerships are, therefore, formed between the individuals involved with benefits all round.





is a division of



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W www.88dent.com

Company with certified quality system
according to the following standards:

UNI EN ISO 9001:2015

UNI IEC EN ISO 13485:2016