Hansfive

Hansfive Products Catalog

To empower global dentists

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Hansfive®

Hansfive®

Portable Dental X-Ray

XS 200

Precision and clarity in every shoot

Excellent image quality

Delivering high-definition images in just 0.01 seconds, capturing every detail to aid dentists in precise diagnosis.

Easy operation

The simple and intuitive user interface enables dentists to effortlessly select exposure modes and achieve efficient image capture.

Multiple modes

The XS 200 provides various shooting modes and functions to fully meet the diagnostic needs of different patients. 7 tooth positions, 3 receptor options, and 2 target group options for you to choose from.

3 Receptor options

- Sensor
- Imaging plate
- Film

2 Target group options

- Adult/Child

7 Tooth position options

Reassuring radiation shielding

The XS 200 utilizes advanced radiation protection technology in accordance with safety standards to ensure the health and safety of both patients and dental professionals.
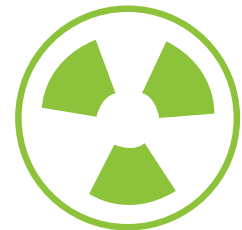
< 0.25mGy/h

Technical specifications

Model	XS 200
Tube voltage	60kV
Tube current	2mA
Exposure time	0.01-2s (Segment adjustment)
Focal spot	0.8mm
X-ray field	Φ 54mm±3mm

Total filtration	2.50mmAl
Inherent filtration	0.75mm Al
Focal spot to skin distance	≥200mm
Surface leakage radiation	< 0.25mGy/h
Charge input	Single phase AC 100-240V, 1.3A, ±10%
Charge output	DC 25.2V,1.0A

Portable Dental X-Ray

XS 300

Precision and clarity in every shoot

High-resolution imaging with exceptional detail

Equipped with a powerful 65kV and 2.5mA output, and a 0.4mm focal spot, delivering clearer, high-resolution images.

Easy operation

Built-in angle sensor with real-time angle display on the interface ensures accurate positioning for the optimal shooting angle.

Triple protection for maximum safety

2Features clinically tested tube voltage and current parameters, solid-state encapsulation, and 360° lead shielding for comprehensive protection.

Triple protection for maximum safety

360° comprehensive lead shielding

Enhanced capacity for longer operation

With a 2500mAh battery, the XS 300 supports over 400 exposures on a full charge.

Enhanced capacity for longer operation

Technical specifications

Model	XS 300
Tube voltage	65kV
Tube current	2.5mA
Focal spot	0.4mm
Exposure time	0.02~2.00s
Battery capacity	2500mA
Dimensions	270×250×110mm
Weight	3kg
Voltage	100~240V,50/60Hz

Imaging Plate Scanner

Smart CR

Make image scanning easier.

Perfectly present high-definition images

16 bit grayscale and optimized algorithm
make the image quality more delicate
and richer in details.

| Periodontics | Endodontics | Orthodontics | Pedodontics | Prosthodontics |

Fully automatic workflow

Display digital images in 10 seconds.
The smart retractable tray reduces
compression of the image plate, avoid-
ing image skew and artifacts.

Wireless connection

Scanned image data can be shared via network connection, making it easier to view case data and facilitate communi- cation between dentists and patients.

Multiple sizes of imaging plates

The thickness of the image plate is only 0.4mm with super good flexibility, allowing photographing of various tooth positions.

Size 0	Size 1	Size 2	Size 3
22×35 mm	24×40 mm	31×41 mm	27×54 mm
667×1060 Pixel	727×1212 Pixel	939×1242 Pixel	818×1636 Pixel
1.35 MB	1.68 MB	2.22 MB	2.55 MB
0	1	2	3

Multiple sizes are available and can be reused over 1,000 times.

Technical specifications	
Model	Smart CR
Grayscale	16bit
Theoretical resolution	16lp/mm
Dimensions	330mmx220mmx156mm
Weight	4.5kg
Operating voltage	110-220V，50/60Hz

Intraoral Camera

ES 100P   ES 100C   ES 100   ES 100HD

ES 100P   ES 100C   ES 100   ES 100HD

Clear imaging

User-friendly interface

Multiple modes

Four models available for your choice, can be freely matched, supporting various functions such as photo-taking, video recording, ortho-dontic photography, shade matching, diagnos-tic testing, and more.

Plaque detection: plaque is clearly visible without the need for staining agents.

Caries detection: no radiation, safe for children and pregnant women, with clearly visible decayed areas.

Intraoral camera: capture real-time dental images with fine detail.

HD camera: with an exceptional cameras and HD imaging, perfect for shade matching and oral photography.

Plaque detection   Caries detection   Intraoral camera   HD camera

Various modes with versatile functions

3 shooting modes: Regular mode, shade matching mode, orthodontic mode, supporting photo-taking, video recording, orthodontic photography, shade matching, and report generation.

Versatile and efficient, fast and responsive

Fast switching, exceptional efficiency.

Safe light source, stain-free

Intuitively shows plaques without the need for staining agents.

Traditional

Stain-free
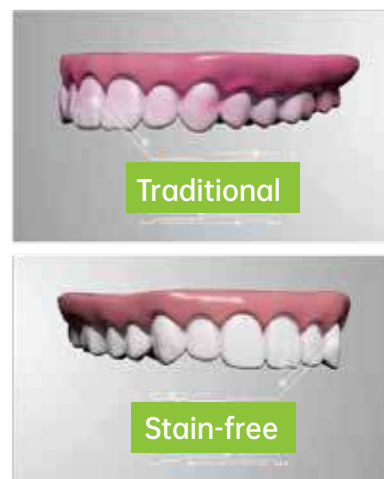
Technical specifications

Model	ES 100C Caries Detection Device ES 100P Plaque Detection Device ES 100 Intraoral Camera ES 100 HD Camera
Resolution	1920*1080
Camera pixels	200W/800W
Format	MJPG
Size(L*W*H/mm)	187.23*22.17*20.8 198.2*30.73*30.07 187.23*22.17*20.8

Intraoral Scanner

IS 200

Smart, User-Friendly

Fast scanning

The IS 200 uses advanced AI algorithms and imaging principles, providing fast and smooth intraoral scanning with clean, clear, and interference-free data.

Oral health report

After scanning and obtaining intraoral data, the IS 200 can automatically identify lesions such as cavities, dental calculus, and dental plaque. It generates a health report with a single click, enabling the timely detection of oral health issues for effective communication between the dentist and the patient, facilitating intervention and treatment.

Wide applications

The IS 200 can be used in a variety of clinical indications, including resto-ration, orthodontics, and implantology.

Orthodontics

All-on-6 implant

Pediatric dental care

6-unit bridge

Veneer

Inlay-onlay

Intuitive UI design

The software adopts a guided work-flow design, and the operation inter-face is simple and clear.
The modulared scanning process ensures free switching, which is easy to operate.

Technical specifications

Model	IS 200
Depth of field	0-15mm
Scan field	Standard tip:14mmx14mmx15mm Mini tip:12mmx10mmx15mm
Quick reset	√
Model optimization	√
Output format	STL,OBJ,PLY(Colored)
Handpiece dimensions	238mmx48mmx32mm
Weight	225g
Connection	USB 3.0
Mains voltage	DC 5V

Automated Wash Machine

AM 200

High-Frequency oscillation

Thorough cleaning

Light and convenient

Technical specifications	
Model	AM 200
Capacity	3.2L
Ultrasonic power	120W
Ultrasonic frequency	40Hz
Heating power	100W
Inner basket dimensions	240X135X100mm
Product dimensions	270x185x230mm
Weight	3.6kg
Rated power	330W
Rated voltage	AC 110/220V

Dental Handpiece Maintenance System

HG 100

Efficient cleaning

Intelligent oil adding

Wide application

Portable and convenient

Technical specifications

Model	HG 100
Air pressure	0.25~0.3Mpa
Oil tank capacity	600ml
Dimensions	W280*D275*H360mm
Weight	6.8kg

Dental Water Distiller

LG 100

Super condensation

Dry burn protection

Silent cooling

Rapid distilled water production

Technical specifications	
Model	LG 100
Maximum capacity	4L
Water production	1L/h
Rated power	750W
Rated voltage	AC 220-240V
Rated frequency	50-60Hz
Dimensions	ф 230x380mm
Internal dimensions	ф 180x200mm
Packaging dimensions	290x260x450mm
Weight	4.3Kg

Medical Sterilization Sealer

MG 100

Automatic constant temperature

Precise temperature control

Automatic power-off protection

User-Friendly operation

Technical specifications	
Model	MG 100
Seal width	250mm
Impression width	10mm
Seal temperature	180℃
Voltage	AC 220
Frequency	50-60Hz
Power	500W
Packaging dimensions	460x350x220mm
Weight	6kg

Oil Free Dental Air Compressor

CG 204-70

▸ **Oil-Free lubricated compressor**
Protects end-use equipment, compliant with dental treatment standards

▸ **Simple installation**
Includes air intake and drain valve adapters for easy installation

▸ **Anti-Slip and shock-absorbing rubber pad**
Reduces vibration and noise, extending service life.

▸ **Pure copper motor**
Provides strong output and stable performance

▸ **Interior tank coating**
Corrosion-Resistant, rust-free, anti-bacterial, clean

▸ **Durable and long-lasting**
The service life is up to 10 years

Service life: 10 years

Technical specifications	
Model	CG 204-70
Voltage/frequency	AC 220V 50Hz
Rated power	1500w
Air end	2
Air tank capacity	70L
Air output	95L/min(0.8Mpa下)
Working pressure	0.8Mpa
Dimensions	840mm*350mm*650mm
Noise level	168dB(A)
Speed	1400r/min
Weight	45.5Kg
Compatible dental chairs	4

Dental Suction System

SG 104/SG 106

‣ **Powerful suction**

Imported inverter with good
pressure maintenance function

‣ **Excellent heat dissipation**

German vacuum pump with
excellent heat dissipation

‣ **Low noise**

Alloy impeller with lower
operating resistance

‣ **Safety protection**

Overcurrent and overload protection,
automatic 12-hour no-load shutoff

Service life: 10 years

Technical specifications		
Model	SG 104	SG 106
Compatible dental chairs	4	6
Power(W)	750	1100
Air suction capacity（L/min）±10%	450	870
Liquid suction capacity（L/min）±1	0.12	0.15
Water consumption（L/min）±0.5	450	870

Oral Sewage Purification Equipment

WG 104/WG 106

‣ **Eco-friendly**
99% sterilization efficiency

‣ **Two disinfection methods**
Ozone & chlorine tablet disinfection, switchable as needed

‣ **Sensor switch**
Automatically processes wastewater and stops when finished

‣ **Convenient**
Comes with all accessories for easy installation

Technical specifications

Application	One-to-Four (≤4 dental chairs)	One-to-Six (≤6 dental chairs)
Dimensions（mm）	L420*W450*H480	L420*W480*H600
working power（W）	230	300
Net weight（kg）	26.5	28
Maximum flow rate（m³/d）	1	2
Water tank capacity	280*280*280	300*300*300

Micromotor

MM 100K

Technical specifications

Type: Knee-control micromotor	
Input voltage： 220V	
Speed： 60000rpm	
Max. torque： 7.5N.cm	
Weight： 4kg	
Dimensions： W100xD290xH240mm	
Control modes: hand-control, knee-control, and foot-control	
Brushless handpiece	
Auto-cruise	

MM 100F/FE

Technical specifications

Input voltage： 220V	
Frequency： 50/60Hz	
Max. torque： 280gf.cm	
Speed： 0~35000rpm	
Dimensions： 164.5x124x79mm	
Control modes: hand-control, foot-control	
Bidirectional rotation	
Overload protection	

MM 100FE-H/MM 100F-H

▸ Equipped with an E-type connector, compatible with both straight and contra-angle handpieces.

Lab Scanner

DS 200

The all-in-one scanner solution.

Intuitive interface, easy operation

Guided workflow software design and intuitive operation interface make the operation easier.
Modular designed scanning process provides users with more options and customizable scanning strategies.

Create an order

Advanced algorithms, fast scanning

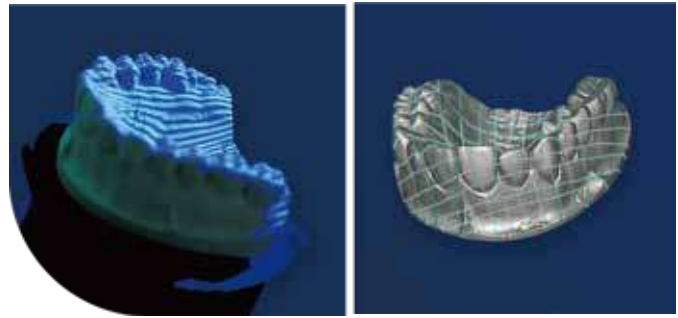8 seconds for occlusal scan, 30 seconds for single arch scan.
Advanced algorithms improve work efficiency.

Scanning

High scanning accuracy

The DS 200 can perfectly capture detailed areas, such as abutment cervical margins and interdental spaces. It achieves a scanning accuracy of less than 7 microns.

Wide application across all indications

The DS 200 supports multiple dental scan applications, including impression, articulator, all-in-one, texture and multi-die etc., fully meeting the needs of dentist and technicians in their digital workflow.
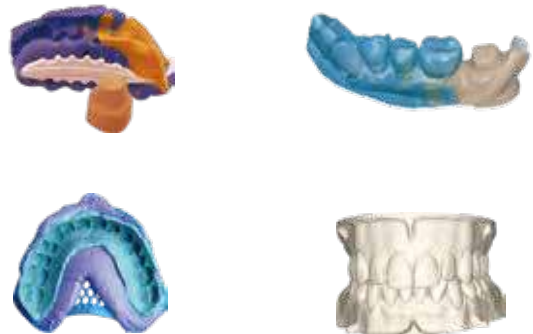
Technical specifications

Model	DS 200
Resolution	3.0MPx2
Scanning accuracy	≤7 microns
Scanning speed	Upper/lower arch scannng in 30 seconds, occlusion scanning in 8 seconds.
Output format	STL，OBJ，PLY
Dimensions	434mmx250mmmx275mm
Weight	5.0kg
Connection interface	USB 3.0
Mains voltage	AC 100-240V，50-60Hz
Texture scanning	Colored

Pressure Forming Device

H100

One-click operation

With a 7-inch touch screen and a simple user interface design, the H100 achieves one-click intelligent operation, improving work efficiency.
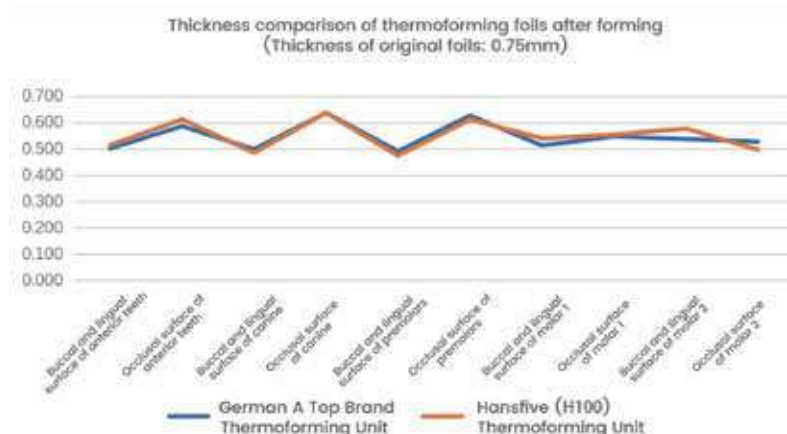
High precision

The H100 adopts positive pressure forming technology and self-developed automatic deformation detection technology, enabling the forming foils to achieve higher accuracy, more uniform thickness distribution, higher elastic modulus, and enhanced expressivity.

Thickness comparison of thermoforming foils after forming
(Thickness of original foils: 0.75mm)

German A Top Brand Thermoforming Unit — Hansfive (H100) Thermoforming Unit

Technical specifications

Model	H100
Dimensions	375*345*561mm
Power	800w
Pressure（bar）	4.0-4.5bar（0.4-0.45Mpa）
Working time	1.5min
Control system	7-inch Android screen
Compatible air compressor specifications	Pressure：0.7Mpa Motor quantity：2 Volume：50L Voltage：220V Displacement：154L/min Rated power：800W*2
Certification	Safety certification：FCC、CE、EoHS
Weight	45Kg

Diameter	Type	Thickness/Material
Circular120mm	Orthodontic	TPU 0.4mm 0.6mm 0.76mm 1.0mm
	Orthodontic	PETG:0.5mm 0.6mm 0.75mm 1.0mm 1.5mm
	Sports mouthguard	2-4mm
Circular125mm	Orthodontic	TPU 0.4mm 0.6mm 0.76mm 1.0mm
	Orthodontic	PETG:0.5mm 0.6mm 0.75mm 1.0mm 1.5mm
	Sports mouthguard	2-4mm
Square127*127mm	Orthodontic	TPU 0.4mm 0.6mm 0.76mm 1.0mm
	Orthodontic	PETG:0.5mm 0.6mm 0.75mm 1.0mm 1.5mm
	Sports mouthguard	2-4mm

Oral and Maxillofacial 3D Imager

S100

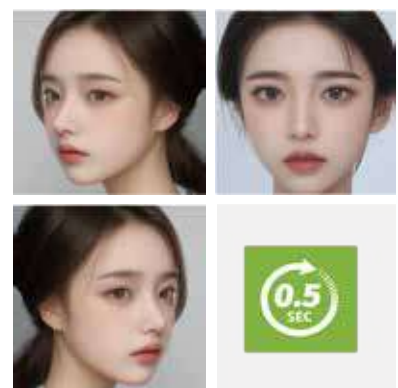**Presents natural facial features.**

High-resolution cameras

The perfect combination of 9 depth cameras and 3 color cameras allows the S100 to present more realistic 3D facial data.
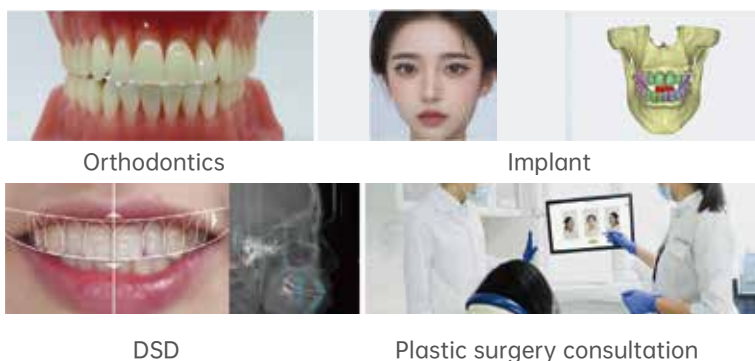

0.5-Second Imaging

The S100 uses advanced algorithms to facilitate rapid facial data collection. Its intuitive interface design enhances work efficiency.

Wide applications

The S100 can be widely used in orthodontics, implantology, DSD aesthetic restorations, and orthopedic surgery.

Orthodontics

Implant

DSD

Plastic surgery consultation

Open system with compatible data

The S100 supports the import and export of data in STL, OBJ, PLY formats, and is compatible with mainstream design software such as 3Shape and Exocad.
The S100 can be merged with CBCT and intraoral scanner data, so as to reliably predict the feasibility of the final aesthetic design and enhance communication between dentists and patients.

OBJ
STL   PLY
Open data

Exocad 3Shape

| Technical specifications		PC requirements	
Model	S100	CPU	Intel Core i7-11800 or above
Camera resolution	2 mega pixel	RAM	16GB or above
Output format	STL.OBJ,PLY	Hard disk	256GB SD or above
Work distance	0.3~1.0m	Graphics card	Nvidia RTX 3060 6GB or above
Scanning duration	0.5s	Resolution of display	1920×1080, 60Hz or above
Dimensions	735mmx234mmx503mm	Video memory	6GB or above
Weight	4.7kg	I/O port	More than 2 USB 3.0(or above) Type A ports
Mains voltage	AC 100-240V,50-60Hz	OS	Microsoft Windows 10 Professional 64bit or above

3D Printer

PM 200

Your ideal dental productivity tool

Excellent printing precision

The PM 200 features a 4K printing resolution and 50-micron precision. It employs a sub-pixel compensation algorithm to achieve a smoother surface and enhanced printing accuracy.

Printed by the PM 200   Printed by other brand

Sub-pixel compensation algorithm
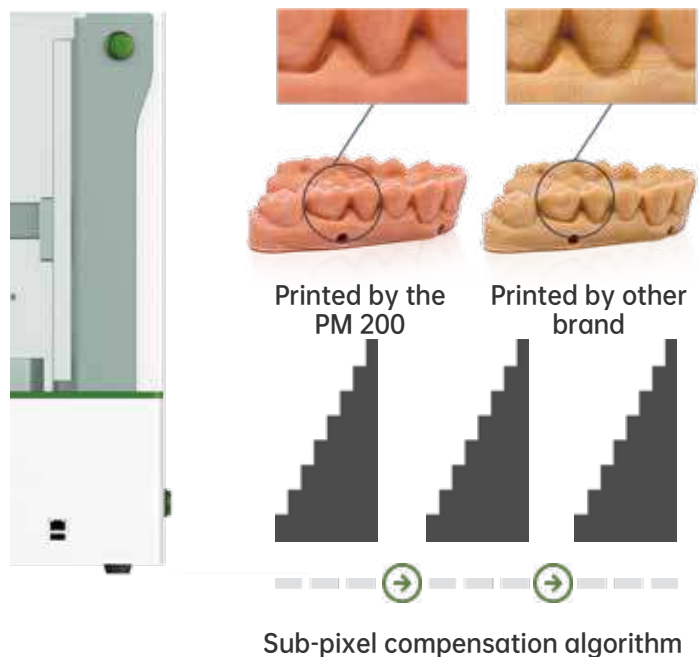
Fast printing speed

The PM 200 has a large build volume of 192*120*200mm, and a fast printing speed of up to 50mm/hour, which can print 8 dental arch models within 1 hour.

Wide applications

The PM 200 can print a wide range of dental applications such as surgical guides, trays, dental models, temporaries, denture bases, etc.

Excellent printing stability

The PM 200 adopts industrial-grade dual linear guideway and ball screw to ensure precise and smooth operation of the unit and eliminate printing layers.
Equipped with a self-developed precision optical engine system, the PM 200 has a more efficient, uniform and stable light output, ensuring a higher print success rate.
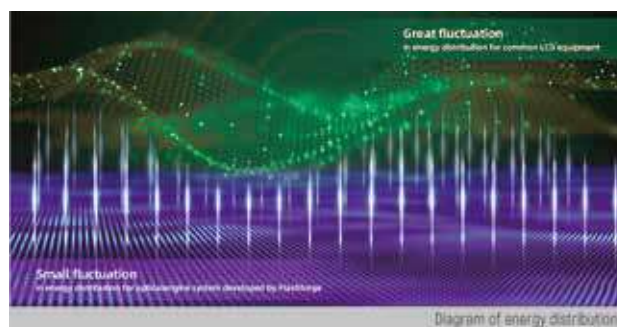
Technical specifications

Model	PM 200
Printing speed	10-50mm/h
Build volume（WxDxH）	192*120*200mm
Layer thickness	0.025-0.2（adjustable）
XY resolution	0.05mm
Light wavelength	405nm
LED screen	8.9-inch industrial-grade 4K black and white screen
Dimensions（WxDxH）	344mmx311mmx495mm
Power	120W

Surgical Guide Resin

SG 01

High strength, High stability, good biocompatibility

Technical specifications		
Physical properties	Color: Transparent	Applicable wavelength range: 405mm
Performance	Values	Testing standards
Hardness	84HD	GBT2411-2008
Flexural modulus	1760MPa	GBT9341-2008
Flexural strength	74MPa	GBT1040.2-2006
Compatible equipment		
3D printer	Suitable for LCD/DLP printers with a light source wavelength of 405nm	
Light curing machine	Suitable for light curing machines with a light source wavelength of 405nm and adjustable temperature (maximum temperature ⩾ 60°C).	
Post-Processing		
Washing	5 minutes of washing with 99% alcohol	
Light curing	2 minutes light curing with Hansfive LM 200 at 80% light intensity	

Work Model Resin

RM 01

High strength, excellent stability, and enhanced heat resistance

Technical specifications		
Physical properties	Color：Orange	Applicable wavelength range：405mm
Performance	Values	Testing standards
Hardness	75HD	GBT2411-2008
Flexural modulus	1410MPa	GBT9341-2008
Flexural strength	56MPa	GBT1040.2-2006
Compatible equipment		
3D printer	Suitable for LCD/DLP printers with a light source wavelength of 405nm	
Light curing machine	Suitable for light curing machines with a light source wavelength of 405nm and adjustable temperature (maximum temperature ⩾ 60°C).	
Post-Processing		
Washing	5 minutes of washing with 99% alcohol	
Light curing	2 minutes light curing with Hansfive LM 200 at 80% light intensity	

Orthodontic Model Resin

OM 01/OM 02

High precision, excellent stability, and enhanced heat resistance

Technical specifications		
Physical properties	Color：White，yellow	Applicable wavelength range:: 405mm
Performance	Values	Testing standards
Hardness	82HD	GBT2411-2008
Flexural modulus	1230MPa	GBT9341-2008
Flexural strength	52MPa	GBT1040.2-2006
Compatible equipment		
3D printer	Suitable for LCD/DLP printers with a light source wavelength of 405nm	
Light curing machine	Suitable for light curing machines with a light source wavelength of 405nm and adjustable temperature (maximum temperature ⩾ 60°C).	
Post-Processing		
Washing	5 minutes of washing with 99% alcohol	
Light curing	2 minutes light curing with Hansfive LM 200 at 80% light intensity	

Light Curing Machine

LM 200

‣ **360° light source**

Thorough curing, promoting uniform solidification and minimizing deformations

‣ **Three wavelength**

365nm, 385nm, and 405nm wavelengths can be combined freely to cure different resin materials at once. Independent control of multiple wavelengths enhances post-curing effectiveness.

‣ **Easy operation**

Touch-sensitive buttons and an LED screen provide a simple, convenient, and responsive user experience.

‣ **Preset parameters**

The device comes with preset high-precision curing parameters, no manual adjustments needed. When paired with Hansfive resin, it delivers optimal performance.

Technical specifications

Model	LM 200
UV wavelength	365nm/385nm/405nm
Single LED side power	40W
Curing time	1-60min
Curing size	180x121mm（φxh)
Control method	LED touch screen
Dimensions	360x300x240mm
Weight	11kg
Rated Power	330W
Rated Voltage	AC 120/220V

Milling and Grinding Unit

HS-500C

A powerful 5-axis automatic milling and grinding Machine.

Product features

Outstanding performance: High-sealed processing chamber for enhanced dust resistance, with precision up to 2 microns.
Intelligent monitoring: Enhanced situational awareness, work status fault alarms, and convenient remote monitoring.
Wide applicability: Suitable for processing a variety of materials, including rapid cutting of hard materials.
Safety assured: Auto-start and stop with door opening and closing to reduce safety risks.
Sleek Design: Minimalist exterior with a glossy finish for easy cleaning and a high-quality appearance.

Technical specifications

Model	HS-500C
Dimensions	630*730*700(mm)
Net weight	About 197kg
Input voltage	Single-phase AC 220V
Spindle power	1.2kw
Axis quantity	5
Milling range	XYZ： 100/160/80mm A:30° B360°
Milling mode	Dry
Maximum speed	60,000rpm
Maximum feed speed	XYZ:6000mm/min
Bur capacity	8
Bur changing	Automatic
Cooling	Water cooling
Compatible materials	Zirconia, wax, PMMA, PEEK, soft metal
Working time	Zirconia 8mins, wax 3mins, PMMA 10mins, PEEK 10mins, soft metal 10mins

Porcelain Oven

PFM 100

‣ **Night-time insulation**
Reduces preparation time and costs

‣ **Precise temperature control**
Suitable for all ambient temperatures

‣ **Safety monitoring**
Red dot flashes on the alarm button during alerts for safer, more reliable operation

‣ **Plug-and-play**
No complex installation required, just plug in and use

‣ **Easy operation**
Intuitive touch interface with advanced menu navigation

‣ **After-sales service**
Timely after-sales support

Technical specifications

Model	PFM 100
Max temperature	1200℃
Dimensions	320x392x426mm
Weight	24kg
Voltage	220V/110V±10%；50Hz/60Hz
Power	1500W±10%

Sintering Furnace

SFM 100

- ‣ **Max temperature up to 1630°C**

- ‣ **Alarm display, safety protection**

- ‣ **Industrial-grade design for long lifespan and reliability**

- ‣ Ultra-pure heating element for perfect zirconia and denture sintering

- ‣ **Preset firing start time**

- ‣ **Faster firing**

- ‣ 14-bit AD conversion for precise temperature control and clear crowns/bridges

- ‣ Annular chamber for even temperature distribution

- ‣ Compatible with zirconia materials from various manufacturers

Technical specifications

Model	SFM 100
Max temperature	1630℃
Sintering chamber dimensions	φ116x130mm
Single sintering capacity	Double stacking capacity: ≥ 70 pieces
Dimensions	548mmx415mmx830mm(L*W*H)
Weight	58kg
Voltage	220V/110V±10%; 50Hz/60Hz
Power	2500W

AORiH® ORTHO

Orthodontic Brackets

Ortho Ea

Specifications

MBT bracket, self-ligating, mini, 3 hooks, 0.022″
ROTH bracket, self-ligating, mini, 3 hooks, 0.022″
Standard torque bracket, self-ligating, mini, 3 Hooks, 0.022″

Stable clip seamless operation

01 Center line design: The center line design of the cover plate facilitates the positioning for the dentist.

02 Unlocking directions: Both maxillary and mandibular sides open occlusally, making it simple to operate.

03 80-gauge mesh pad and laser-etched tooth position markings: Enhanced mesh base adhesion and clear dental position markings make it easy to identify.

04 Multiple torques: Multiple torque options are available to meet the diverse clinical needs

05 Ample tie-wing area: Adequate ligation space facilitates the selection of various ligature techniques.

06 Open/close method: The sturdy ligating mechanism meets requirements for clinical use.

Specifications-Standard torque

Tooth position	U1	U2	U3	U4	U5	L1	L2	L3	L4	L5
Torque	12	8	7	-11	-11	-6	-6	7	-12	-17
Angulation	5	9	5	2	2	0	0	5	2	2
Hook included			√					√		

Specifications-MBT

Tooth position	U1	U2	U3	U4	U5	L1	L2	L3	L4	L5
Torque	17	10	0	-7	-7	-6	-6	0	-12	-17
Angulation	4	8	8	0	0	0	0	3	2	0
Hook included			√					√		

Specifications-ROTH

Tooth position	U1	U2	U3	U4	U5	L1	L2	L3	L4	L5
Torque	12	8	-2	-7	-7	-1	-1	-11	-17	-22
Angulation	5	9	10	0	0	0	0	5	0	0
Hook included			√					√		

Orthodontic Brackets

Ortho Ro

Specifications

MBT bracket, self-ligating, mini, 3 hooks, 0.022″
ROTH bracket, self-ligating, mini, 3 hooks, 0.022″

Sleek and ultra-thin, comfortable experience

01 Sleek and ultra-thin for comfort: The double curved design reduces bracket height, minimizing oral soft tissue irritation and enhancing patient comfort.

02 Ample tie-wing area, mesial tipping of crimpable hooks: The recessed ligation wings offer ample space for easy operation and reduce the risk of detachment. The crimpable hooks are moderately long and mesial tipping, accommodating various traction angles.

03 Unique shear strength, protecting enamel: Ortho Ro has a maximum shear strength less than 86N for stable adhesion. It can be removed without harming enamel.

04 High-precision core components: Core components of the cover plate are highly precise and stay secure. The groove has minimal variation, a lowered central surface, and low friction for better rotation control.

05 Imported ultra-fine powder with three grinding process: BASF ultra-fine powder features high hardness and a smooth texture. It undergoes three grinding steps over 12 hours, making it more friendly for soft tissues.

06 Precise molds, strict quality control: Core components are CCD-inspected before production. Ortho Ro undergoes 100% twice quality checks before shipment.

Specifications-MBT

Tooth position	U1	U2	U3	U4	U5	L1	L2	L3	L4	L5
Torque	17	10	0	-7	-7	-6	-6	0	-12	-17
Angulation	4	8	8	0	0	0	0	3	2	0
Hook included			√					√		

Specifications-ROTH

Tooth position	U1	U2	U3	U4	U5	L1	L2	L3	L4	L5
Torque	12	8	-2	-7	-7	-1	-1	-11	-17	-22
Angulation	5	9	10	0	0	0	0	5	0	0
Hook included			√					√		

Indirect Bonding Tray

Accurate positioning, enhanced efficiency

01 Precise positioning: Using digital technology to pre-simulate bracket placement, enabling personalized, precise positioning with a customized tray.

Customized tray, precise positioning

02 Efficient treatment: It saves positioning time, reduces re-bonding and adjustments, cuts over 20 minutes of chairside time, and improves the patient experience.

Saves over 20mins

03 Easy operation: Unlike traditional experience-based bracket placement, the indirect bonding tray simplifies the process: fit, bond, cure, and remove with ease. Perfect for beginners, general practitioners, and high-volume orthodontists.

Pre-positioning and effortless bonding

Orthodontic buccal tubes

Orthodontic buccal tubes

Specifications
MBT buccal tube 0.022 ''
ROTH buccal tube 0.022 ''
Edgewise buccal tube 0.022 ''

01 Flared design for easier insertion of archwires

02 Smooth round ball hook ensures patient comfort

03 Color-coded system makes it easy to identify each tooth position

Edgewise buccal tube

Tooth position	Slot length		Torque	Compensation angle
	Mini	Standard		
6	3.90	4.10	0	0
6	3.90	4.10	0	0
7	2.80	3.20	0	0
7	2.80	3.20	0	0

ROTH buccal tube

Tooth position	Slot length		Torque	Compensation angle
	Mini	Standard		
6	3.90	4.10	-14	10
6	3.90	4.10	-25	4
7	2.80	3.20	-14	10
7	2.80	3.20	-25	4

MBT buccal tube

Tooth position	Slot length		Torque	Compensation angle
	Mini	Standard		
6	3.90	4.10	-14	10
6	3.90	4.10	-20	0
7	2.80	3.20	-14	10
7	2.80	3.20	-10	0

Orthodontic Pliers

01 The pliers are made with advanced processing technology, addressing issues like rust, detachment, and discoloration.

02 Laser markings on the handles allow doctors to accurately cut the corresponding archwire

03 The unique gapless hinge design ensures a tight connection, preventing loosening over time.

04 The pliers are forged for high strength and excellent durability.

The Tear Drop

Specifications

R2001-00
The Tear Drop

Usage

Creates a notch at the gingival margin of clear aligners to hold elastics. By working with other bondable attachments, the patient will get better elastic manipulation.

The Hole Punch, 6mm

Specifications

R2002-00
The Hole Punch, 6mm

Usage

Creates a half-moon cutout at the gingival margin of clear aligners to provide more space for bonding buttons or brackets.

The Hole Punch, 3mm

Specifications

R2003-00
The Hole Punch, 3mm

Usage

Creates a half-moon cutout at the gingival margin of clear aligners to provide more space for bonding buttons or brackets.

The Horizontal

Specifications

R2004-00
The Horizontal

Usage

Creates a horizontal notch on clear aligners to accent individual root torque and enhances the retention of clear aligners.

The Vertical

Specifications

R2005-00
The Vertical

Usage

Creates a vertical notch on clear aligners to control rotated teeth.

Ligature Cutter

Specifications

R0002-00
Ligature Cutter，0°

R0003-00
Ligature Cutter，13°

R0006-10
Ligature Cutter， Long Handle

Usage

Thin and sharp edges, used for cutting ligature wires, modules, etc., up to 0.30mm(0.012")

Hard Wire Cutter

Specifications

R0013-00
Hard Wire Cutter

Usage

Suitable for cutting hard wires. For wires up to 0.76mm(0.030").

Distal End Cutter

Specifications

R0007-00
Distal End Cutter

R0008-10
Distal End Cutter ,
Long Handle

Usage

Suitable for cutting the ends of overly long wires. The beak is in special form so that wire ends will stay at the beak. For wires up to 0.53x0.64mm(0.021"x0.025").

Flush Distal End Cutter

Specifications

R0010-00
Flush Distal End Cutter

R0011-10
Flush Distal End Cutter,
Long Handle

Usage

It can be used to be truncate the long end of wires parallel to tubes. For wires up to 0.45mmx-0.55mm(0.018"x0.025")

Band Removing Pliers

Specifications

R0028-00
Band Removing Pliers

Usage

It is used for removing the posterior bands and brackets.

Adhesive Removing Pliers

Specifications

R0029-00
Adhesive Removing
Pliers

Usage

Removes any remaining adhesive on the tooth without harming the enamel.

Bracket Removing Pliers For Anterior Teeth

Specifications

R0033-00
Bracket Removing Pliers
For Anterior Teeth

Usage

For removing anterior brackets by cutting the adhesive part.

Bracket Removing Pliers For Posterior Teeth

Specifications

R0034-00
Bracket Removing Pliers
For Posterior Teeth

Usage

For removing posterior brackets by cutting the adhesive part.

Buccal Tube Cap Removing Pliers

Specifications

R0035-00
Buccal Tube Cap
Removing Pliers

Usage

Used for convertible buccal tubes.

Separator Placing Pliers

Specifications

R0032-00
Separator Placing Pliers

Usage

Used for placement of elastic separators.

How Pliers

Specifications

R0036-00
How Pliers

Usage

For positioning wires into the buccal tubes, ligature wires, and seating individual anterior teeth.

KIM Pliers

Specifications

R0037-00
KIM Pliers

Usage

For bending muli-loop edgewise arch wires with a cutter in the middle part.

Hook Crimping Pliers

Specifications

R0038-00
Hook Crimping Pliers

R0039-10
Hook Crimping Pliers,
Long Handle

Usage

For the gripping and fixation of Crimpable Hook.

Torque Bending Pliers

Specifications

R0014-00
Torque Bending Pliers

Usage

For applying torque to edgewise, often used in pairs.

Omega Pliers

Specifications

R0015-00
Omega Pliers

Usage

Designed to form precise omega loops on wires.

Light Wire Pliers

Specifications

R0016-00
Light Wire Pliers

Usage

Suitable for all different sizes of delicate loops. For wires up to 0.51mm(0.020").

Light Wire Plier With Cutter

Specifications

R0017-00
Light Wire Plier
With Cutter

Usage

Suitable for all different sizes of delicate loops and springs. The cutting edge, in the middle part of the bird beak, is stiff and sharp. It can be used to cut surplus wire. For wires up to 0.51mm(0.020").

V- Bending Pliers

Specifications

R0027-00
V- Bending Pliers

Usage

Designed for making V-shaped curves on the archwire with dimensions of 0.56mm x 0.64mm (0.022"x0.025").

Tweed Loop Bending Pliers

Bending diameter
Φ1.6mm
Φ2.0mm
Φ2.6mm

Specifications

R0019-00
Tweed Loop Bending Pliers

Usage

Tweed loop bending pliers are used for accurately bending omega loops.

Yong Loop Bending Pliers

Φ1.3mm
Φ3.0mm
Φ4.2mm

Specifications

R0020-00
Young Loop Bending Pliers

Usage

Designed for making identical loops on square or rectangular.

Loop Forming Pliers

Specifications

R0021-00
Loop Forming Pliers

Usage

For bending loops on the wires, especially stop loops and omega loops.

Multi-Functional Pliers

Specifications

R0022-00
Multi-Functional Pliers

Usage

The plier integrates fine wire bending, various curve bending, and archwire cutting into one. For wires up to 0.56mm x 0.71mm (0.022" x 0.028").

Nance Loop Bending Pliers

Bending diameter
Φ1.3mm
Φ3.0mm
Φ4.2mm

Specifications

R0023-00
Nance Loop Bending Pliers

Usage

For bending different vertical loops. Four grooves at tip for bending identical loops: 3mm,4mm,5mm,6mm. For wires up to 0.56mm (0.022").

Three Jaw Pliers

Specifications

R0024-00
Three Jaw Pliers

Usage

Useful for contouring and bending stainless steel wires up to 0.76 mm (0.030").

NITI Distal End Bending Pliers

Specifications

R0025-00
NITI Distal End Bending Pliers

R0026-10
NITI Distal End Bending Pliers, Long Handle

Usage

It is mainly used to bend the end of NiTi wires, its maximum bending capacity is 0.64mm(0.025") in diameter. There is no need to heat the NiTi wires when they are bent by these pliers.

Weingart Pliers

Specifications

R0030-00
Weingart Pliers

R0031-10
Weingart Pliers
Long Handle

Usage

It is mainly used to bend the end of hard wires, avoiding injury to oral soft tissue caused by sharp tip of archwire.

SUYASTAR®

Clear Aligners

Customized clear aligners

SUYA annual card

It focuses on small tooth movements and is ideal for adults needing minor spacing or rotation adjustments, offering a convenient and efficient solution.

For post-orthodontic relapse, pre-implant adjustments

SUYA Annual Card
365
40 Clear aligners
Service period: **1** year(upgradable)

SUYA LITE

Designed for patients with minor dental issues, offering a cost-effective solution with a short treatment time and easy management.

For simple cases involving 5-5 tooth movement

LITE
SUYA STAR ALIGNER
100 Clear aligners
Service period: **2** year(upgradable)

SUYA Classic

Flagship product designed to address a wide range of orthodontic needs, providing effective correction for both minor and complex alignment issues.

For permanent dentition cases

Unlimited

Service period: **5** year(upgradable)

SUYA GS

Optimizes teeth and jaw positioning to improve bite, facial structure, and function. Achieves optimal dental, jaw, and bone alignment.

For occlusal reconstruction cases

Unlimited

Service period: **5** year(upgradable)

SUYA Galaxy

Premium option for patients seeking fast, effective correction with visible root and bone control, combining flexibility and precision.
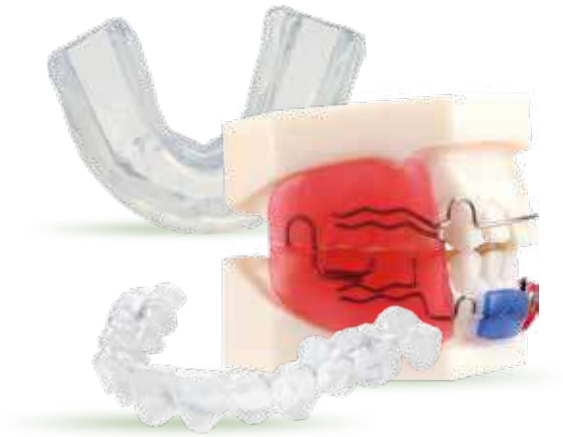
For all cases

Unlimited

Service period: **5** year(upgradable)

Early Orthodontic Treatment for Children

Full-Cycle solution (launch pending)

Customized Silicone Aligners

Applies gentle force to guide oral muscles and teeth, custom-fitted to a child's mouth for improved muscle coordination and healthy facial development.

Focus: Muscle management

One

Warranty:**6**months

Functional Removable Appliance

One

Warranty: **3**months

Uses gentle force during a child's growth phase to guide jawbone development, adjusting teeth and dental arches by enhancing muscle function.

Focus: Jawbone alignment

Clear Aligners for Kid

Made from multi-layer composite materials for durability and adaptability, these aligners are designed for children and teens with mini attachments, eruption caps, and a primary tooth ID system for comfortable, effective alignment.
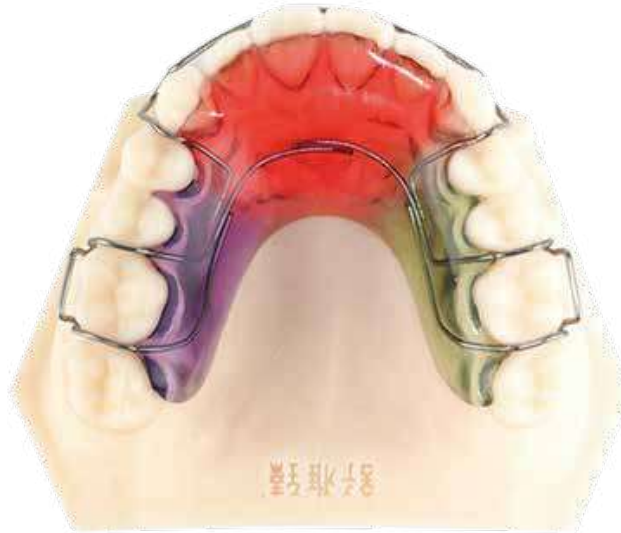
Focus: Tooth alignment

Unlimited

Warranty: **5**years

Removable Appliance

3D visible smart solution

It is a flexible device that can be adjusted by dentists to achieve specific tooth movements and improve muscle and jawbone function for correcting dental and jaw deformities.

Hawley retainer

Base type palatal expander

Pendulum appliance

TPA-Nance anchorage

Partial expander

Frankel appliance

Twin block appliance

Anterior traction

Flat plate appliance

For more detailed products, visit the SUYA STAR App

Indirect Bonding Tray

Precision in positioning

Precision in positioning

It integrates digital technology with personalized orthodontics, offering efficient, precise, predictable, and comfortable treatment. This solution enhances clinical accuracy and treatment efficiency, delivering an improved patient experience.

Digital bracket positioning

Accurate and easy operation

Efficient bracket bonding
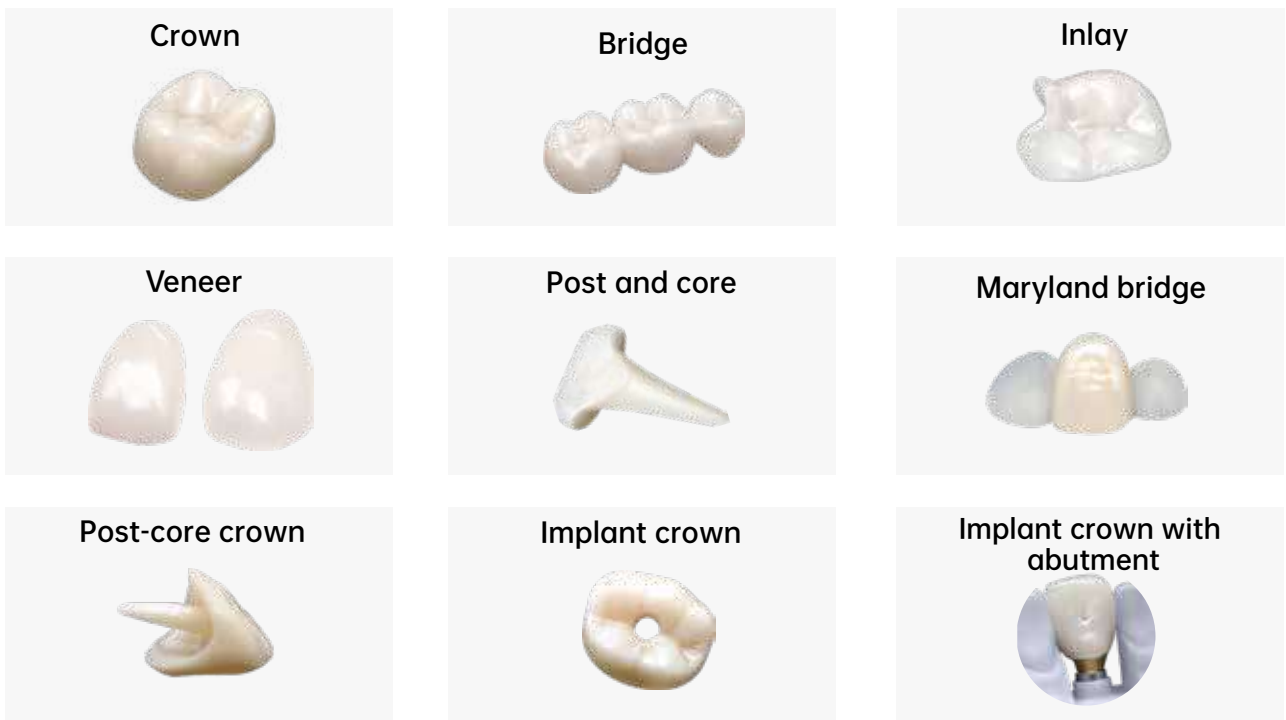
| Optional brackets | SUYA STAR® | DAMON™ | AORiH® |

Fixed Denture

Comfortable, aesthetic, and naturally Appealing

It is expertly crafted by skilled technicians to closely mimic natural teeth, providing patients with a comfortable and visually pleasing experience.

Crown	Bridge	Inlay
Veneer	Post and core	Maryland bridge
Post-core crown	Implant crown	Implant crown with abutment

Material brands   UPCERA   DENSTEN   Dental Direkt®迪瑞   Aidite®   ivoclar

Removable Denture

Digitally customized

It offers high-quality removable dentures, using advanced technology and materials to create customized, comfortable, aesthetic, and easy-to-maintain solutions. Through digital scanning, model creation, and final adjustments, the process ensures precision and a perfect fit, helping patients regain confidence and improve their quality of life.

Resin denture

Ideal for patients with individual front tooth loss, large undercuts in abutment teeth,or multiple adjacent missing teeth with a common seating path. It's also suitable for cases with overall tooth loss but good alveolar ridge conditions.

The material mimics natural tooth color and texture, offering a lightweight solution while being cost-effective.

Metal frame removable denture

Suitable for all types of tooth loss

The metal structure is durable and wear-resistant, providing enhanced support. With a thinner design, it minimizes the sensation of foreign objects while ensuring a stable and comfortable fit.

Full Denture

Secure fit, healthy bite

Designed to offer high-quality solutions for complete tooth loss, it provides precise, personalized dentures for a stable, comfortable, and natural experience. With a focus on restoring chewing function and confidence, it ensures a seamless process from initial consultation to final fitting.

BPS full dentures

For full mouth tooth loss and severe periodontal disease

Quick production with immediate wear and use. Strong suction for a secure fit.

Warranty: 1 year

Digital full dentures

Designed for full-mouth restoration, combining support from mucosa and membrane materials.

Time-saving, efficient, with improved comfort, more secure fit, and better chewing efficiency.

Warranty: 1 year

Sports Mouthguard & Aesthetic Aligners

Personalized, aesthetic, and well-fitted

It offers two types of aligners: Sports mouthguard, personalized to protect the user during physical activities, and aesthetic aligners, designed to provide immediate, natural improvements for a more beautiful smile.

Sports mouthguard

The sports mouthguard is used to protect the teeth from injury.

Fully personalized customization ensures comfort and fit. Customizable colors: 12 single colors, 2 multi-colors. Food-grade materials, safe and odorless.

Warranty: **1 year**

Aesthetic aligners

For yellow teeth, gaps between teeth, missing teeth

Medical-grade new polymer materials, durable and resistant to discoloration, stain-resistant, lightweight,and comfortable. Gum line cutting technology ensures a close fit along the tooth edge, providing long-lasting brightness and physical whitening of the teeth.
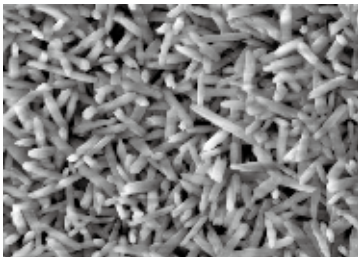
Warranty: **1 year**

DENSTEN®

Glass Ceramic

Measured according to ISO 6872:2015 standards

CTE(25-500°C) [10-6/K]	10.1 ± 0.5
Flexural strength(biaxial) [MPa]	⩾ 360*
Chemical solubility[µg/cm²]	< 100

Comprehensive solution with Different translucency

Lithium Disilicate Glass Ceramic (LS₂)

High Translucency (HT)

Simulates natural tooth enamel, suitable for small restorations (e.g., inlays, onlays, veneers).

Medium Translucency (MT)

Offers better brightness compared to HT and better translucency compared to LT, suitable for ultra-thin veneers.
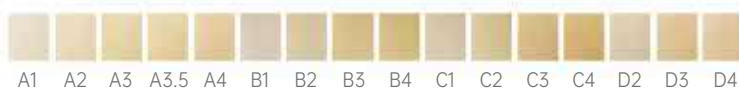
Low Translucency (LT)

Simulates natural tooth dentin, ideal for large restorations such as full crowns.

Medium Opacity (MO)

Suitable for inner crowns of restorations with a darker prepared tooth color (e.g., inner crowns with surface decoration).

Shades

A-D

A1　A2　A3　A3.5　A4　B1　B2　B3　B4　C1　C2　C3　C4　D2　D3　D4

Bleach

BL1　BL2　BL3　BL4

Easy operation for crystallization and glazing

Sintering: 25min
Superior aesthetics and strength
Personalized customization
Completed within 25 minutes

Zirconia 3D/4D

Zirconia 3D (functional)

Physical characteristics

Four-layer overlay, seven-layer gradient, natural looking
Strength after sintering：≥1200Mpa   CTE：(10.7±0.5)×10-6/K
Density after sintering: > 6.0g/cm^3 Chemical solubility：≤100ug/cm^2
Radioactivity：≤1.0Bq/g   Edge translucency：46%
Shade: VITA 16 shades   Sintering temperature：1530℃

Indications

Single crown, bridge, 3-4 unit bridge,
5-6 unit bridge, bridge with 7 units or more, cantilever bridge, maryland bridge, inlay bridge

Thickness							
10mm	12mm	14mm	16mm	18mm	20mm	22mm	25mm

Shade

A1 A2 A3 A3.5 A4   B1 B2 B3 B4   C1 C2 C3 C4   D2 D3 D4

Zirconia 4D (aesthetics)

Physical characteristics

Strength after sintering：≥900Mpa   CTE：(10.7±0.5)×10-6/K
Density after sintering: > 6.0g/cm^3 Chemical solubility：≤100ug/cm^2
Radioactivity：≤1.0Bq/g   Edge translucency：51%
Shade: VITA 16 shades   Sintering temperature：1530℃

Indications

Single crown, Bridge, 3-4 unit bridge (for 1 missing tooth)

Thickness							
10mm	12mm	14mm	16mm	18mm	20mm	22mm	25mm

Shade

A1 A2 A3 A3.5 A4   B1 B2 B3 B4   C1 C2 C3 C4   D2 D3 D4

Zirconia TT

TT

Physical characteristics

Strength after sintering：≥600MPa　　Density after sintering: > 6.0g/cm^2

Chemical solubility：≤100ug/cm^2　　Radioactivity：≤1.0Bq/g

Indications: veneer, single crown　　Sintering temperature：1530℃

CTE：(10.7±0.5)×10-6/K

Stain shade：0M1、0M2 、0M3 、1M1

Exceptional translucency

Designed for veneers

Thickness							
10mm	12mm	14mm	16mm	18mm	20mm	22mm	25mm

Glaze Paste and Stain

Features

Suitable for glazing and staining both
full-zirconia and veneered zirconia restorations.
Available in four shade modifiers (A-D)
and 11 stains, catering to customers'
personalized needs and achieving desired
results in a single application.

Models

Glaze paste and glaze liquid

Shade modifiers：

A　B　C　D

Stains：

Blue　Grey　Brown　Light brown　Mauve　Terra cotta　Yellow　Orange　White　Black　Pink

Other Materials

Dental Phosphate Casting Investment Material

Applicable brands

For Pressable Glass Ceramics:
DENSTEN、Ivoclar、UPCERA

Features

High stability, resistant to deformation and cracking
Easy to remove
Smooth surface finish

Plunger

Separator powder

BORRENCE

Hansfive

Gum Scissors

Straight   Curved   Double-Curved

Usage

For cutting gingival tissue

Needle Holder

12.5cm   14cm   16cm

Usage

For surgical suturing

Surgical Scissors

12cm (Straight, Curved)

Usage

For cutting dressings, human epidermal tissue, or soft tissue.

14cm (Straight, Curved)

Usage

For cutting dressings, human epidermal tissue, or soft tissue.

16cm (Straight, Curved)

Usage

For cutting dressings, human epidermal tissue, or soft tissue.

Hemostat

Straight（12.5cm，16cm）

Usage

For clamping blood vessels and tissues for hemostasis.

Usage

For clamping blood vessels and tissues for hemostasis.

Curved（12.5cm，16cm）

Usage

For clamping blood vessels and tissues for hemostasis.

Usage

For clamping blood vessels and tissues for hemostasis.

Extracting Forceps

151#

5-1 | 1-5

Usage

For extracting lower premolars and incisors

150#

5-1 | 1-5

Usage

For extracting lower premolars and incisors

17#

76 | 67

Usage

For extracting lower molars

Aspirating Syringe (Straight)

Usage

Pull the handle to move the needle tip up, place the anesthetic bottle into the syringe, then release the handle to let the needle tip touch the bottle. Screw on the needle and gently push the handle to inject.

Aspirating Syringe (J-Hook)

Usage

Pull the handle to move the needle tip up, place the anesthetic bottle into the syringe, then release the handle to let the needle tip touch the bottle. Screw on the needle and gently push the handle to inject.

Dental Mirror

Specification

Premium, standard;
Non-magnifying, magnifying;
4# 5#

Usage

For oral examination use.

HUI MEI YAN

Hansfive®

Absorbent Cotton Balls

Absorbent Cotton Balls

Specification

500g/pack
0.3g/each

Usage

Used for wound dressing, protection, cleaning, and other patient care.

High-quality cotton, clean, uniform

Medical Drapes

Medical Drapes

Specification

100 pieces/pack
125 pieces/pack

Usage

Used in hospitals, clinics, and oral exams for dirt isolation and hygiene protection.

High-quality wood pulp paper, strong absorption, durable, easy to use, clean, and eco-friendly.

Disposable Latex Gloves (Comfort+)

Disposable Latex Gloves （Comfort+）

Specification

Powdered, powder-free (XS/S/M/L)

Usage

Worn on the hands for patient examination.

Stable quality, high fit, effective barrier against bacteria.

Disposable Latex Gloves (Soft+)

Disposable Latex Gloves （Soft+）

Specification

Powdered, powder-free (XS/S/M/L)

Usage

Worn on the hands for patient examination.

Stable quality, high fit, effective barrier against bacteria.

Saliva Ejector

Saliva Ejector

Specification

Transparent,
100 pieces/pack

Usage

Used with suction devices in treatment machines.

Flexible, won't rebound easily, smooth suction tip, strong suction power.

Medical Cap

Medical Cap

Specification

20 caps/pack

Usage

Provides protection during medical visits, check-ups, and other procedures.

Soft, breathable, skin-friendly, and provides excellent protection.

Disposable Applicator

Disposable Applicator

Specification

S/M/L, 100 pieces/pack

Usage

Used by dentists to clean teeth, fill cavities, and apply acid etchants, adhesives, cavity liners, fluoride varnish, hemostatic agents, and sealants, replacing cotton balls.

Evenly distributed fibers, adjustable angles, available in three sizes.

Disposable Barrier Film

Disposable Barrier Film

Specification

1200 pieces/roll
10x15cm/piece

Usage

Apply the barrier film to dental chair seats, control panels, dental light covers, and other high-touch surfaces to prevent bacteria and cross-contamination.

Tearable design, easy to use, safe, and hygienic.

Orthodontic Chewies

Orthodontic Chewies

Specification

Original/mint flavor;
2 pieces/pack

Usage

Provide effective support for aligning teeth.

Compact round vacuum-sealed packaging for easy portability;
soft, elastic texture ideal for jaw muscle exercise.

Orthodontic Wax

Orthodontic Wax

Specification

Mint/strawberry flavor

Usage

Apply to brace protrusions under dentist guidance to protect oral mucosa.

Made with secure, food-grade materials and designed to stay in place.

Articulating Paper

Articulating Paper

Specification

R-type/B-type
20 sheets/book,
10 books/box

Usage

Place articulating paper on the target tooth or contact point, bite down, and remove once marks are visible.

Even coating, smooth surface.

Three Way Syringe Tip

Three Way Syringe Tip

Specification

PQT, 250 pieces/pack

Usage

Compatible with air-water syringes for cleaning and drying the oral cavity during dental procedures.

Clean and free from impurities or stains. Smooth ends and slots with no sharp edges or burrs to ensure patient safety. Crafted with high-quality materials, with no cracks, dents, deformations, or defects in the outer tube.

Technology Lightens Smile

Hansfive®

Facebook   Instagram