
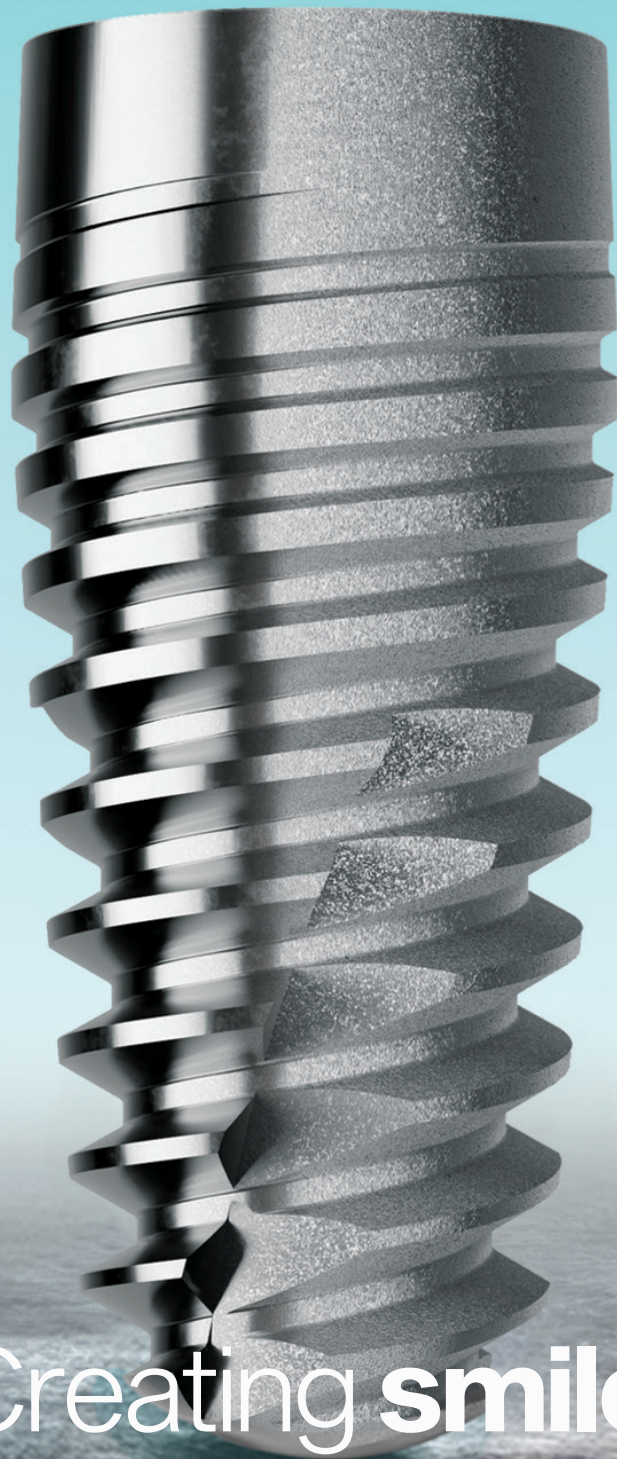


DentalBlast 
by FerroECOBlast®



Creating **smiles**

About DentalBlast

DentalBlast by FerroECOBlast is a specialized line of surface treatment technologies crafted to meet the demanding needs of dental implant manufacturers. With over 60 years of experience in engineering precision solutions, FerroČrtalič has established itself as a trusted partner in advancing dental care technology.

Located in Slovenia, a center of innovation and technical expertise, FerroČrtalič combines tradition with cutting-edge advancements to create machinery that delivers exceptional quality and repeatable results. DentalBlast solutions are designed to optimize every aspect of dental implant surface preparation, ensuring long-term success for implant manufacturers.

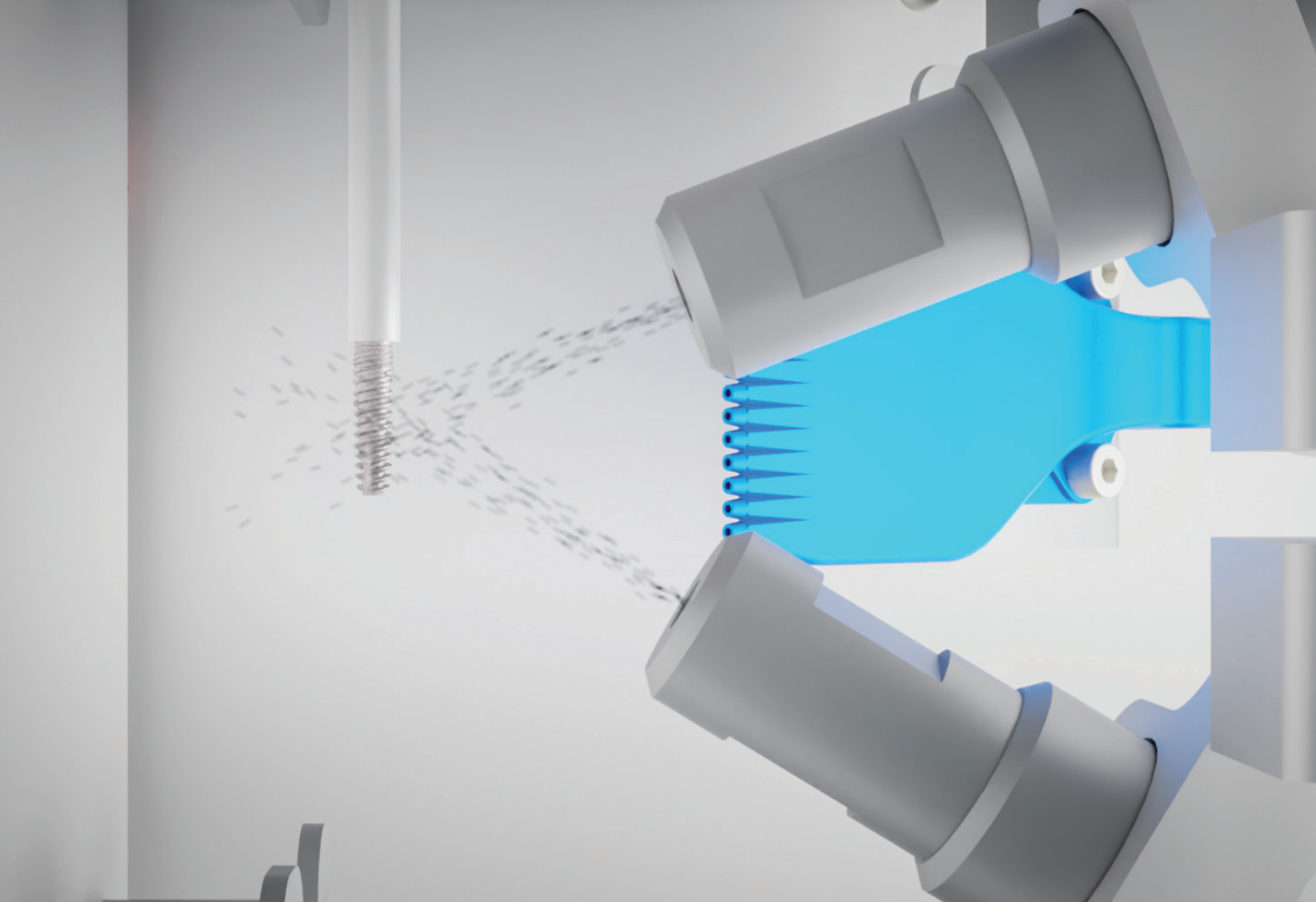
Our mission

To design and deliver high-efficiency surface treatment solutions that empower dental implant manufacturers while fostering sustainability, innovation, and long-term partnerships.

Our vision

To remain a trusted global leader in dental surface treatment technologies, continuously innovating to support better manufacturing outcomes and advancing the standards of the dental care industry.





What sets us apart



Precision and repeatability

Our machines ensure consistent, high-quality results tailored to the needs of dental implant manufacturers.



ECO-Friendly engineering

Advanced media recycling systems and energy-efficient designs reflect our commitment to sustainability.



Tailored solutions

Each product is designed with flexibility and adaptability, catering to various workshop constraints and material requirements.



Global reach, local support

Trusted by manufacturers worldwide, we provide comprehensive support and service tailored to each client's unique needs.



Client satisfaction

We uphold the highest ethical standards in all our interactions, ensuring honest, transparency, and accountability in every aspect of our work.

DentalBlast420[®]

by FerroECOBlast[®]



Precision
blasting



Texturing



Oxide
removal



Hydrophilic

**Fully automatic blasting machine for
dental implants, medical screws, medical tools...**

DentalBlast 420 is a small footprint, stand alone unit featuring a built-in recycling system. The recycling process is done with a cyclone unit for fine materials, ensuring removal of dust and providing good, usable media to the system. The machine utilizes precise blasting nozzles, making it also suitable for grit blasting

Technical specifications

Dimensions (L x W x H) 1140 mm x 1040 mm x 1850 mm

Capacity 420 implants (120 implants/hour)

Air Consumption 0.8 - 1.5m³/min; 6 bar

Power 3 x 230/400V, 3/N/PE 50/60Hz 2,5kW

Weight 406 kg



with titanium powder, aluminium oxide, calcium phosphate or ceramic. It can automatically process 420 implants in less than 4 hours, all while ensuring complete repeatability and the highest possible quality.

Basic configuration

- Automatic mode - up to 420 workpieces
- High productivity
- IOT - Industry 4.0 connectivity
- Constant surface RA
- Standard media recycling
- Precise blasting nozzles
- Pressure or injection blasting system
- Low media consumption
- Easy to operate
- Easy for maintenance
- Quick media change system

Additional options

- Automatic implant quality check
- Advanced media recycling system with BGR unit

DentalBlast900

by FerroECOBlast®



Precision
blasting



Texturing



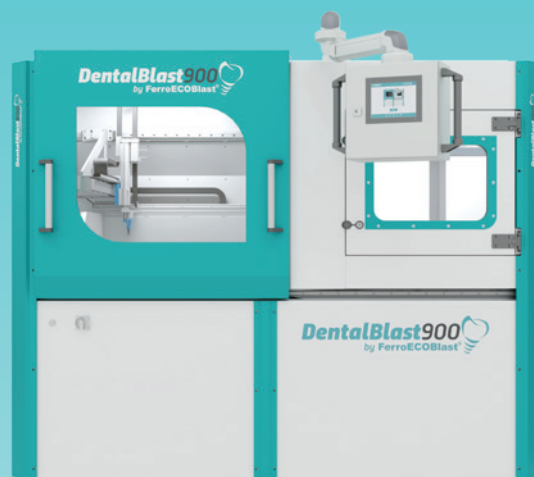
Oxide
removal



Hydrophilic

**Fully automatic blasting machine for
dental implants, medical screws, medical tools...**

DentalBlast 900 is a stand-alone unit featuring small layout requirements, the possibility to utilize pressure or injection blasting and a built-in recycling system. It can also be connected to a separate modular recycling unit like DentalBlast BGR. The machine is designed for high production capacities with repeatable results and



guarantees total traceability of the working process thanks to its data logging functions. Its modern design is suitable for the most advanced workshops.

Technical specifications

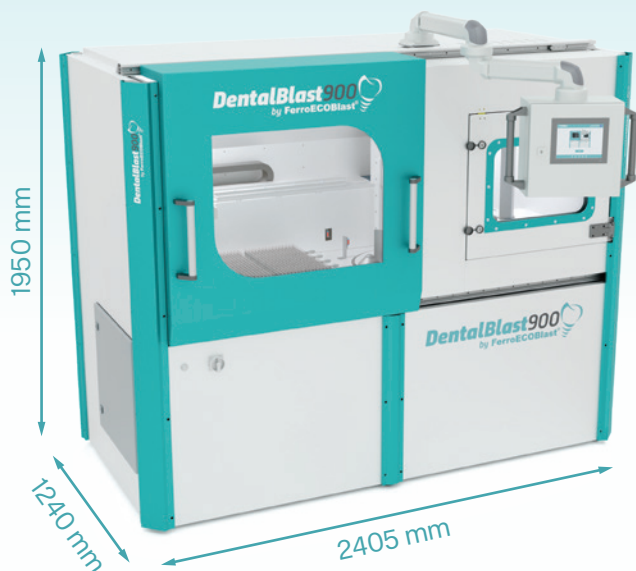
Dimensions (L x W x H) 2405 mm x 1240 mm x 1950 mm

Capacity 900 implants (240 implants/hour)

Air Consumption 1.5 - 2m³/min; 6 bar

Power 3 x 230/400V, 3/N/PE 50/60Hz 3kW

Weight 1087 kg



Basic configuration

- Automatic mode - up to 900 parts
- High productivity
- IOT - Industry 4.0 connectivity
- Constant surface RA
- Nozzle air flow check (for suction blasting)
- Precise blasting nozzles (for pressure type)
- Pressure or suction blasting
- Easy to operate
- Easy for maintenance
- Quick media change system

Additional options

- Automatic implant quality check
- Advanced media recycling system with BGR unit

DentalBlastBGR[®]

by FerroECOBlast[®]



**Pneumatic
transfer**



Recycling



**Vibratory
sieving**



**Automatic
media refill**

Blasting generator and recycling unit

The DentalBlast BGR is a modular recycling unit. You can choose between pressure or injection blasting systems. Both systems can also feature simple recycling with a cyclone unit which removes dust from the blasting media and separate blasting material with vibration sieve classifier. Automatic refilling unit assures that

operation mix of material is the same at all times and enables repeatable process without operators interference. The filter unit is installed for cabinet dust extraction and media transport to the cyclone unit. It is suitable for high-production process and mostly used for calcium and aluminium oxide blasting material.

Technical specifications

Dimensions (L x W x H) 2405 mm x 1240 mm x 2370 mm

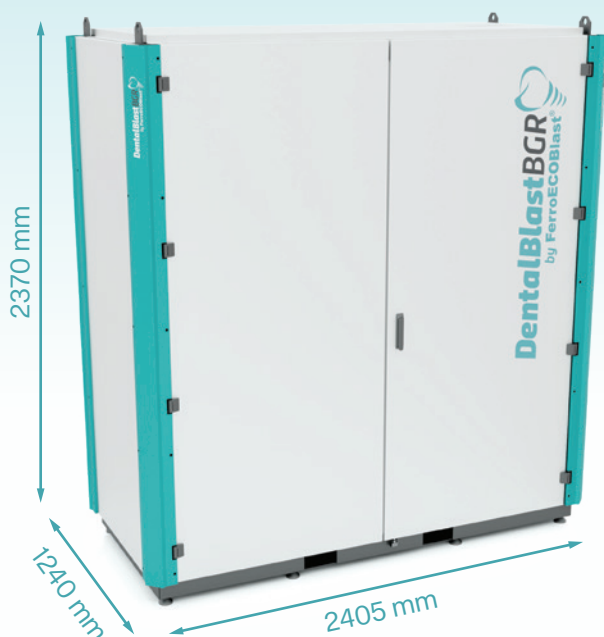
Air Consumption 0.3 - 0.5m³/min; 6 bar

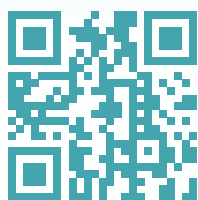
Power 3 x 230/400V, 3/N/PE 50/60Hz 1-3kW
(depending on selected options)

Weight 960 kg

Basic configuration

- Pressure blasting system
- Injection blasting system
- Cyclone unit
- Vibration sieve classification
- Automatic refill unit
- Filter unit
- Automatic filter cartridge cleaning





FerroČrtalič d.o.o.
Sela 47, 8350 Dolenjske Toplice
Slovenia, EU

sales@ferroecoblast.com