



EV MET 200

The new SISMA 3D printer
with selective metal powder bed fusion - Laser Metal Fusion.

200

EVEMET 200

EVEMET 3D printers are state-of-the-art production solutions, representing the most advanced technology on the market today for the production of three-dimensional metal components.

The brand new **EVEMET 200**, which is designed to best meet the production needs of the dental sector by also working with reactive metals, offers a maximum printing volume equal to a cylinder with a base diameter of 200 mm and a height of 200 mm.



250% load factor

A powder loading tank large enough to supply up to two and a half times the maximum printable volume.

Full control

In the print settings configuration, with any type of metal powder available on the market.

Optimal density

A new gas flow management system inside the printing chamber allows optimal density to be obtained over the entire working area, without dirtying the laser protection lens.

- Optional **integrated suction system** for the transfer of residual powder from the construction cylinder to the recovery container, without the need to use an external unpacking station.
- Optional **melt pool monitoring** system to analyze the laser beam and verify the actual work quality.
- External **powder management** system through the EVEMET MULTIPL0 station for automatic sieving, even in an inert atmosphere.
- Two fully **overlapping lasers**.
- State-of-the-art laser **pulse management** functions, allowing a better surface finish and reduced stress during construction of the piece.
- Pre-heating** of the printing plate up to + 200°C.
- Industrial grade components and control computer, which guarantee greater **process stability**.
- 2000 hours** filter lifetime.

Technical data

Building volume	Ø 200 mm x 200 mm
Powder loading cylinder	Ø 200 x 500 mm (250% load factor)
Laser source	300 W, liquid-cooled / Dual laser available
Laser spot	55 µm
Platform pre-heating	Up to 200°C
Typical layer thickness	20-40µm (open parameter)
Power supply	400v @ 50/60 hz, 32A
O ₂ sensor	100 ppm
Dimensions	2200 x 1380 x 2060 mm (L x W x H)
Weight	3200 kg

Optional accessories

EVEMET MULTIPL0 sieving station, melt pool monitoring, powder bed monitoring.

Materials

Aluminium alloys, cobalt chrome, nickel alloys, precious metals, steel alloys, titanium.