



DIGITAL DENTISTRY AND MORE

Laser metal printing LMP200

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Laser metal printing

LMP200



LMP-200 laser printer for all materials and indispensable everywhere, where you need elaborate forms, complex designs and structures, unique products or small series of metal parts. Designed specifically for prosthetic use - both for dental and orthopaedics. Robust and modularly composed of standard industrial components. Designed to fit it in any lab, enter through each door and drive with a conventional elevator.

While the LMP-200 is suitable for printing all, even reactive materials, it also has the following advantages:

- User-friendly components provide easy and quick control.
- An intuitive touch screen always provides all the information needed for complete control.
- The built-in camera provides complete control of workflow. Observe the process wherever you have Internet access.
- The closed recycling system (handling the powder in the protective atmosphere even after the work is done) ensures the safest and most reliable work, and maintains the maximum quality of powder, as it does not come into contact with air. Thus, the recovery of powder is as much as 95%.
- Long-distance supervision, which can be carried out by Dentas' experts, provides immediate support to the user and intervention in case of possible errors.

Arrow laser metal printer LMP - 200

Materials	CoCr, titanium and aluminium alloys, medical and tool steel, nickel alloys, bronze, gold, silver - all metals, available in powder form, intended for printing
Building volume X,Y,Z	125 x 125 x 200 mm
Layer thickness	15-100 µm, individually adjustable
Laser source	200 W Yb - fiber laser
Optical system	F-theta lens
Maximum scan speed	6 m/s
Power supply	230 V, 50/60 Hz, 16 A
Power consumption	2 kW/h
Focal point	45 µm
Protective gas	argon, nitrogen, average consumption 60 l/h
O ₂ concentration	≤ 100 ppm (0,01%)
Dimensions	W 770 x D 960 x H 1950 mm
Weight	400 kg

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MINISTRY OF ECONOMIC DEVELOPMENT
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