



DIGITAL DENTISTRY AND MORE

# Laser metal printing LMP100

[www.dentas.eu](http://www.dentas.eu)



# Laser metal printing

## LMP100



LMP-100 laser printer for most metals is indispensable everywhere, where you need elaborate forms, complex designs and structures, unique products or small series of metal parts. Designed specifically for prosthetic use in dental, but usable in every industry from aeronautics to jewellery. 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-100 is suitable for printing all non-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.
- 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 - 100

Materials	CoCr, medical and tool steel, nickel alloys, copper, gold, silver – all oxygen-non-reactive metals, available in powder form, intended for printing
Building volume X,Y,Z	90 x 90 x 70 mm
Layer thickness	10 - 50 µm, individually adjustable
Laser source	100 W Yb - fiber laser
Optical system	F-theta lens
Scan speed	7 m/s
Power supply	230 V, 50/60 Hz, 16 A
Power consumption	1 kW/h
Focal point	35 µm
Protective gas	argon, nitrogen, average consumption 50 l/h
O <sub>2</sub> concentration	≤ 100 ppm (0,01%)
Dimensions	W 610 x D 630 x H 1590 mm
Weight	230 kg

#### DENTAS d.o.o.

Cesta k Tamu 70  
2000 Maribor  
Slovenia

+386 2 618 56 20  
info@dentas.eu  
www.dentas.eu

We reserve the right to change visual appearance and technical properties of our products without further notice.  
Printed in February 2019.

