

Dental and medical solutions



**Laser
welding**



**Additive
manufacturing**



**Laser
marking**



Technical data	ZERO	UNO
Building area (XY)	96 mm x 54 mm	124,8 mm x 70,2 mm
Z axis	200 mm	200 mm
XY resolution	50 µm	65 µm
Light source	UV LED@405 nm	UV LED@405 nm
Projector technology	DLP FullHD (1920 x 1080 px)	DLP FullHD (1920 x 1080 px)
Layer thickness range	min 25 µm - max 200 µm	min 25 µm - max 200 µm
Printing speed	up to 6 min/cm	up to 6 min/cm
Dimensions	Ø 411 mm x h 870 mm	Ø 411 mm x h 870 mm
Network 3D printer	yes (Ethernet 10/100/1000 - WiFi)	yes (Ethernet 10/100/1000 - WiFi)
Electrical input	100/240 V AC - 50/60 Hz	100/240 V AC - 50/60 Hz
Electrical output	24V DC with power supply	24V DC with power supply
Weight	27,5 kg	27,5 kg

Materials

EVERES Dental Cast, EVERES Dental Model, EVERES Denture, EVERES Gingiva Flex Mask, EVERES Self Hiding, EVERES Temporary, EVERES Tray



- 4K UHD Projector, 3840 x 2160 px resolution
- Touch-sensitive retractable control screen, which allows viewing of the process progress and print performance
- Two print volumes, variable base from 115.2 x 64.8 mm to 226.6 x 127.4 mm and maximum height of 450 mm
- Two XY resolutions, variable at 30 or 59 μm
- Double resin cartridge loading positions and additional supply tank, for a very high productivity without interruptions

Materials

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LM-D series manual laser welding systems



Technical data	LM-D READY		LM-D	LM-D
	150	180	180	210
Average laser power	60 W	80 W	80 W	85 W
Max peak power	7,5 kW	9 kW	9 kW	10,5 kW
Energy at max pulse duration	150 J	180 J	180 J	210 J
Laser source type	Nd: YAG (flash lamp)		Nd: YAG (flash lamp)	Nd: YAG (flash lamp)
Wavelength	1064 nm		1064 nm	1064 nm
Pulse duration	0,3 ms - 20 ms		0,3 ms - 20 ms	0,3 ms - 20 ms
Pulse frequency	up to 50 Hz		up to 50 Hz	up to 50 Hz
Spot diameter	0,2 mm ÷ 2 mm		0,2 mm ÷ 2 mm	0,2 mm ÷ 2 mm
Smart Spot	X		✓	✓
Power supply	230 V ±10% 50/60 Hz		230 V ±10% 50/60 Hz	230 V ±10% 50/60 Hz
Dimensions	567 x 744 x 512 mm		567 x 730 x 612 mm	567 x 730 x 612 mm
Weight	60 kg		60 kg	60 kg



Technical data	200F EP	3000	500F EP	7000
Laser source	Fiber: Yb	Fiber: Yb	Fiber: Yb	Fiber: Yb
Pulse frequency	1 ÷ 1 MHz	30 ÷ 80 kHz	1 ÷ 1 MHz	70 ÷ 140 kHz
Pulse duration	6 - 500 ns	50 - 200 ns	6 - 500 ns	50 - 200 ns
Max pulse energy	0,03 - 1 mJ	1 mJ	0,03 - 1 mJ	0,8 mJ
Beam quality (M ²)	≤ 1,6	≤ 1,6	≤ 1,6	≤ 1,6
Laser spot diameter	20 µm	20 µm	20 µm	20 µm
Waveforms	40	/	38	/
Working temperature	10 ~ 35° C			
Cooling system	Forced-air cooling			
Z axis stroke	290 mm			
4th axis	Optional			
Power supply Dimensions	230 V ± 10% 50/60 Hz 1ph			
(WxDxH)	560 x 760 x 770 mm			
Weight	85 kg			