

VLO 60

MANUAL WELDING LASER

The VLO 60 is a compact laser welding device for demanding manual work with the best welding properties.

This desktop laser systems with 60 watts offers a reliable beam behavior and stand out for its consistent, powerful and yet soft welding behavior.

The VLO 60 has a sheet metal housing with a large opening at the front for easy and quick access to the spacious working chamber. The armrest is extremely comfortable - so relaxed work is guaranteed. The laser-safe leather curtain offers laser protection, so that the VLO 60 can also be placed in any work environment.

The work area is well lit and the light intensity can be dimmed. A welding fume extractor is integrated as standard.

The laser welding device is operated conveniently via a touch display.

Even the finest joints can be made with the optional micro welding function and monitored through the stereo microscope.

This table-top laser welding device is ideal for dental laboratories, goldsmiths and manufacturers of sensors and microcomponents, as well as for anyone who wants to weld small components quickly and easily by hand.



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Technical data

VLO 60	
LASER	
Laser type/wave length	Nd:YAG, 1064 nm
Average power	60 W
Peak pulse power	5 kW
Pulse energy	50 J
Pulse duration	0.5-20 ms
Pulse frequency	Single pulse-25 Hz
Operating mode	pulsed
Welding spot Ø	0.2-2.0 mm, continuously adjustable
Focusing objective	120 mm
Pulse shaping	3 preset pulse shapes
Display and operation	Touch-Display
Performance level	d
OBSERVATION LENS	SMK with 10 × eyepieces
WORKING CHAMBER	
W × D × H	484 × 264 × 249 mm
Max. Workpiece height	88 mm
Halogen dimmer	integrated
Extraction	integrated (H14)
EXTERNAL DIMENSIONS	
W × D × H	513 × 631 × 501 mm
Weight	50 kg
EXTERNAL CONNECTIONS	
Electrical connection	200-240 V / 50-60 Hz / 10 A
OPTIONS	Microwelding device
	Camera system for demonstrating and observing the welding process
	Leica Binocular
	Ergo wedge
	LED Ring lighting



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