

## 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                      |  |
|-----------------------------|--|
| <b>LASER</b>                |  |
| 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  |
| <b>OBSERVATION LENS</b>     | SMK with 10 × eyepieces  |
| <b>WORKING CHAMBER</b>      |  |
| W × D × H                   | 484 × 264 × 249 mm   |
| Max. Workpiece height       | 88 mm  |
| Halogen dimmer              | integrated   |
| Extraction                  | integrated (H14)   |
| <b>EXTERNAL DIMENSIONS</b>  |  |
| W × D × H                   | 513 × 631 × 501 mm   |
| Weight                      | 50 kg  |
| <b>EXTERNAL CONNECTIONS</b> |  |
| Electrical connection       | 200-240 V / 50-60 Hz / 10 A  |
| <b>OPTIONS</b>              | Microwelding device<br>Camera system for demonstrating and observing the welding process<br>Leica Binocular<br>Ergo wedge<br>LED Ring lighting |



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