These compact laser welding devices are suitable for demanding manual work and for tasks in small-series industrial production. Ideal for gold and silver, but also for ordinary steels.

The VL 50 bench laser welding device and the ALS 100 upright device offer 50 or 100 watts for high-performance beam behavior. They stand out for their consistent, powerful yet smooth welding behavior.

The spacious working chamber offers a very well-lit work area. The ALS 100 is loaded through two side doors, and the VL 50 through the front flap.

Even the finest joints can be created with the optional micro welding option, and monitored through the stereo microscope.

Thanks to the ergonomically designed housing, the well arranged operating elements, keyboard, display and joystick, this manual welding laser lets you concentrate on your work – even for hours.

For processing larger workpieces, the ALS 100 can be ordered as an open variant that allows welding without doors or a working chamber bottom. In this case, additional laser safety measures are needed. An electrically adjustable lifting table with manual X and Y axes is available as an option.

The VL 50 and ALS 100 are also available with bristle grips. Sensor manufacturing especially in sensor manufacturing involves processing of tubes and cables. They can be fed laser-proof through the bristles into the working chamber and welded there. Special lenses allow micro welding even in the thinnest tubes.