

# AWL



AWL is an automatic laser welder designed for repairing small molds, and precision welding of small medical and industrial components. Equipped with a motorized three-axis (X-Y-Z) table controlled via joystick, it offers precision and accuracy in welding, even in hard-to-reach areas. Available with CNC/ G-CODE programmable option and rotary axis for tubular welds.

The machine features a fully open welding chamber suitable for bulky parts, and an integrated webcam displaying operations directly on the 7" LCD screen. Wi-Fi connectivity enables remote parameter setting, while USB and HDMI connections are available as optional extras.

## Plus

- Open welding chamber
- Motorized X-Y-Z table
- Multi-function joystick
- CNC programming version with G-Code available

## Data sheet

<b>Laser source and wave length</b>	Nd:Ce: YAG 1064 nm
<b>Average power</b>	90 W
<b>Peak power</b>	10 kW
<b>Energy</b>	245 J
<b>Impulse time</b>	0.1 - 25 ms
<b>Pulse frequency</b>	0.5 - 40 Hz
<b>Spot diameter</b>	0.2 - 2.0 mm
<b>Spot setting</b>	Motorized, 30 positions
<b>Wave programs</b>	Pulse Shaping 7 preset
<b>Memories cell stored</b>	100
<b>XYZ Travel</b>	150 x 100 x 210 mm
<b>Internal chamber control</b>	Joystick
<b>External control</b>	7" Color Touch Screen
<b>Power supply</b>	230 V AC, 50/60 Hz [110 on request] - 2.2 kW
<b>Type</b>	Footstand