AL-TW

The working table with integrated laser

Nd:YAG-LASER POWER (WATT)

200 300 500

FIBER LASER POWER (WATT)

300 450 600 900

The system meets the high safety requirements of performance level d.

LASER (technical values see p. 58/59)

Display and operation	Setting of the laser parameters via touch screen and multifunctional foot switch. Operation of WINLaserNC software via touch screen possible.

OBSERVATION OPTIC

Leica microscope attachment with eyepieces for glasses wearers, 10 x, optional 16 x

WORK AREA

Machines axes	X, Y, Z – rotary axis optional. Workpiece movement motorized via Joystick.
Movement speed (X, Y, Z)	0,05 to 25 mm/s
Movement range (X, Y, Z)	490 x 400 x 350 mm

EXTERNAL DIMENSIONS

W x D x H (base unit)	1200 x 1360 x 1260 mm
Weight	670 kg + 100 kg console

EXTERNAL CONNECTIONS

Electrical connection	3 x 400 V / 50 - 60 Hz / 3 x 16 A **AL-TW 500:** 3 x 400 V / 50 - 60 Hz / 3 x 32 A
External cooling Nd:YAG	**AL-TW 200, 300:** Preparation for cooling **AL-TW 500:** Integrated
External cooling and sealing air fiber lasers	**AL-TW 300 F, 450 F:** Optional **AL-TW 600 F, 900 F:** Optical water cooling and sealing air integrated

OPTIONS

Turn-tilt-objective // rotating axis with chuck, tiltable, for horizontal to vertical rotation // Camera system for demonstrating and observing the welding // Ergo wedge // AL-DV programmable laser wire feeder

Learn more in our product data sheet

The **AL-TW** laser system has the laser source (Nd:YAG or fiber laser) integrated in the table. The workpieces can be precisely controlled in 3 axes (X, Y, Z) during welding. In addition, a rotary axis for circumferential welding is available as an option.

The laser and movement system are operated very conveniently via the control panel with an integrated intuitive touchscreen.

The AL-TW is ideal for series production. It is extremely stable and can be operated either joystick-guided, semi-automatically or fully automatic using the WINLaserNC software. No matter whether deposition welding, repairs, series production, medical technology components or sensors – we provide you with the right laser power and a large selection of efficiency-enhancing, useful accessories.