

TAUWELD BASE

Laser Welding

Driven by continuous innovation in Research & Development, the TauWeld Base combines compact size and low energy consumption with the capabilities of a professional benchtop welder.

Available in three power versions – 35J, 80J, and 165J – it perfectly meets the needs of jewelers, watchmakers, dental technicians, and artisans looking for a compact yet high-performing tool.

Its ergonomic design, with reinforced casing and integrated armrests, ensures comfort during extended use. The 7" capacitive touchscreen allows for intuitive control of welding parameters, including adjustment of the laser spot diameter from 0.2 to 2.0 mm.



PLUS



Easily accessible controls
Water and air cooling system
Simple and intuitive interface

TECHNICAL DATA

MODEL	TAUWELD BASE 35	TAUWELD BASE 80	TAUWELD BASE 165
LASER SOURCE AND WAVELENGTH	Nd:Ce: YAG 1064 nm		
LASER AVERAGE POWER	30 W	30 W	75 W
LASER PEAK POWER	3 kW	4 kW	6,5 kW
ENERGY	35 J	80 J	165 J
PULSE TIME	0,1 - 12 ms	0,1 - 20 ms	0,1 - 25 ms
PULSE FREQUENCY	0,5 - 6 Hz	0,5 - 6 Hz	0,5 - 20 Hz
SPOT DIAMETER	0,2 - 2,0 mm		
SPOT SETTING	Motorized		
WAVE PROGRAMS	7 Preset Pulse Shapes		
STORAGE CAPACITY	100 Settings		
EXTERNAL CONTROL	7" Color Touch Screen		
DIMENSIONS	700 x 557 x 555 mm		
WEIGHT	38 kg		
TYPE	Desktop		
POWER SUPPLY	230 V AC, 50/60 Hz (110 on request) - 2,2 kW		
ARGON NOZZLE	Yes		