

TAUWELD EDGE

Laser Welding

The TauWeld Edge is a professional benchtop laser welder designed to deliver maximum precision in high-intensity work environments. It's ideal for those seeking a balance between performance, operational comfort, and application versatility. Equipped with a 7" touchscreen display, an internal joystick, and advanced functions for adjusting the laser beam, it offers an intuitive and comprehensive user experience.

Thanks to its compact size and build quality, it's perfect for jewelry workshops, dental labs, and industrial departments where repeatability and weld quality are essential. The Plus version introduces the Gaussian Smooth Spot technology, which enables an even energy distribution on the welding spot, ensuring cleaner, more controlled, and aesthetically flawless results.



PLUS



Leica 10x Stereomicroscope

Integrated camera

High brightness LCD shutter

TECHNICAL DATA

MODEL	TAUWELD EDGE		TAUWELD EDGE PLUS
LASER SOURCE AND WAVELENGTH	Nd:Ce: YAG 1064 nm		
LASER AVERAGE POWER	80 W		
LASER PEAK POWER	9 kW		
ENERGY	225 J		
PULSE TIME	0,1 - 25 ms		
PULSE FREQUENCY	0,5 - 30 Hz		
SPOT DIAMETER	0,2 - 2,0 mm (0.05 or 0,1 opt.)	0,1 - 2,0 mm (0,05 opt.) Gaussian Smooth Spot	
SPOT SETTING	Motorized		
WAVE PROGRAMS	7 Preset Pulse Shapes		
STORAGE CAPACITY	100 Settings		
INTERNAL CHAMBER CONTROL	Joystick		
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		