

TAUFLASH

Chain Laser Welder

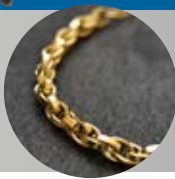
TauFlash is a laser welding system specifically designed for chain welding, offering precision, speed, and reliability for the jewelry and manufacturing industry. Equipped with an adjustable Nd:Ce:YAG laser source, it ensures precise and consistent results across various chain types.

Its intuitive interface and efficient cooling system support continuous operation, enhancing productivity and integration into existing production lines.



TauFlash is available in two configurations:

- TAUFLASH SINGLE: with power options of 40W, 55W, 80W, and 150W to suit different production needs.
- TAUFLASH DOUBLE: equipped with two independent laser sources, each with dedicated settings, to guarantee maximum flexibility and control in the welding process. Available power options: 40W, 55W, and 80W.



OPTIONAL



Straight laser
focusing head*

90° laser
focusing head*

Optical fiber
Available from 200
to 1000 µm

*Available in two versions: standard and Gaussian

PLUS



- Independent dual laser output
- Liquid cooling system
- Touch screen display
- Automatic power limitation

TECHNICAL DATA

MODEL	TAUFLASH 35 (DUAL 35+35)	TAUFLASH 50 (DUAL 50+50)	TAUFLASH 80 (DUAL 80+80)	TAUFLASH 150
MAXIMUM PULSE ENERGY	30 J	35 J	75 J	120 J
LASER PEAK POWER	4 kWp	6 kWp	7.5 kWp	12 kWp
LASER AVERAGE POWER	40 W	55 W	80 W	150 W
MAXIMUM FREQUENCY	40 Hz			
REPETITION PER MINUTE (SINGLE SHOT)	1000 rpm			
PULSE DURATION	0,5 – 20 ms			
FIBER SIZE	300 – 400 µm	400-600 µm	600-800µm	600-800µm
WEIGHT	75 kg			
POWER SUPPLY	230 VAC±10% 50/60Hz			
CONTROL ACCESS	7" color touchscreen display			
COOLING SYSTEM	Forced air cooling, 5 L cooling liquid, 1 pump, and 2 radiators			
DIMENSIONS	960 x 310 x 910 mm			