

TAUWELD TCW

Manual Welding Laser

Tauweld TCW is an advanced laser welding solution designed for high-precision and high-performance applications. Powered by a 2000 W laser source, it combines CW (continuous wave) operation with power modulation, ensuring outstanding versatility.

With a modulation frequency range from 1 Hz to 2500 kHz, it offers precise control and adaptability for diverse welding needs. The 1064 nm wavelength and adjustable scanning width (0.5–5 mm) guarantee accurate results even in highly complex jobs. An integrated chiller maintains stable performance during intensive cycles.



Welding gun



APPLICATIONS

- Large molds and mechanical components
- Welding of structural parts exposed to wear
- Assembly of metal structures requiring deep penetration welding
- Repair of aero-engine components

PLUS

High power and precision

Easy to use

Compact and versatile

Efficiency and reliability

Cleaning version available

TECHNICAL DATA

LASER POWER	2000W
LASER MODE	CW + Power modulation
WAVELENGTH	1064nm
POWER MODULATION FREQUENCY	1 Hz – 2500 kHz
MAXIMUM SCAN WIDTH	0.5 mm – 5 mm
COOLING	Internal chiller
LENGTH OF THE FIBER	10 m
DIMENSIONS	1190 x 890 x 550 mm
WEIGHT	150 kg*
OPERATING TEMPERATURE RANGE	5°C – 45°C
WORKING VOLTAGE	220AC, 50HZ/60HZ
POWER CONSUMPTION	7.4 kW*

* MAY VARY DEPENDING ON THE LASER SOURCE INSTALLED