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**LONGITUDINAL LASER OR
TIG WELDING MACHINE**

TUBWELD H



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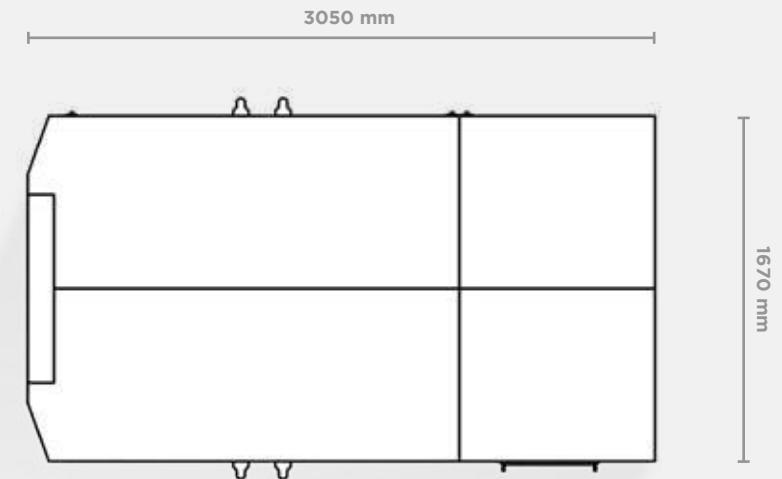
COMPACT DESIGN

LONGITUDINAL LASER OR TIG WELDING MACHINE

+ FUNCTIONAL AND AUTOMATIC

The TubWeld H is a laser or TIG longitudinal welding machine for metallic seams to obtain perfectly welded and tight tubes for ventilation and smoke extraction.

The machine is able to weld carbon Steel, inox and galvanized tubes from Ø120 to Ø840 mm, up to 2 mm thick and 1500 mm length.



DUCT LOADING

+ TOUGH AND DURABLE

In a first step the loading is made manually and the rest takes place totally automatically.

The machine is provided with an absorption system that takes the ducts to the welding area.

Once finished the welding process, the machine extracts the tube.

The tools system for different diameters is easy and quick to exchange.



+ OPTIONAL LOADER

The machine can be equipped with an additional feeder which allows to slide and center the duct automatically to fit it up easily into the machine.

The aligning process is completely automatic, saving time and guarantying that the tube finish will always have the same quality.

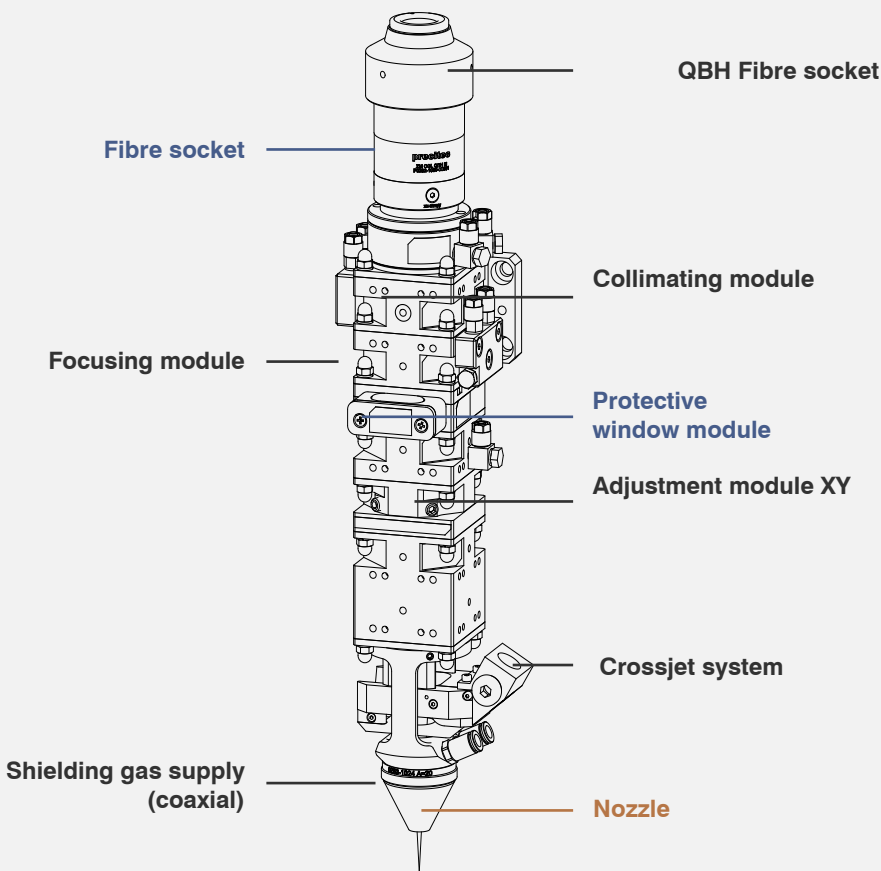


WELDING HEAD

+ ACCURACY AND QUALITY

The machine offers 3 possibilities of laser power source (1, 1.5 or 2 kW).
The coaxial nozzle of the welding head supplies argon during de process to have the best surface finish.

The laser welding technology offers maximum strength in the welding seam as the power remains always constant and precisely spotted.



PERIPHERAL

+ FIBER LASER GENERATOR



We work in collaboration with IPG Photonics, world leader in laser sources development, in order to provide their YLR line for 1 kW, 1.5 kW and 2 kW modules.

+ CHILLER COOLER



The SMC manufacturer provides us with their HRS line, which controls accurately the temperature of the laser generator and the fiber connector.

Its sizes are compact and its cooling capacity is high, being the maintenance very simple.

WELDING QUALITY

+ MATERIALS AND THICKNESS

The machine is capable of welding carbon steel, inox and galvanized.

The maximum feasible thickness is 2 mm



SOFTWARE

+ BECKHOFF SOFTWARE



The 7" Beckhoff touch screen has an intuitive interface that doesn't require any previous computing knowledges for the operator and, besides, it reduces the training period, making it possible to start operating in a few hours.

+ REMOTE ASSISTANCE



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