



## LASER WELDING MACHINE 1410

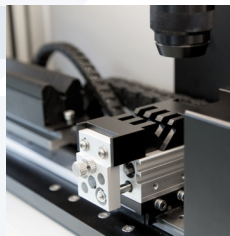
The **Laser Welding Machine** is used to connect fine plastic tubing.

This machine is ideal for welding of balloon catheters. This connection technology allows short, soft and flexible welding-connections. The end result is precisely reproducible.

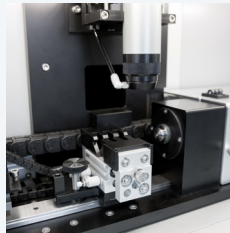
In the machine 1410 the product is easily accessible and close to the operator.

The touch screen user interface enables process data and user management.

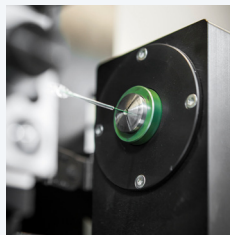
All movement axes are highly accurate and the machine is optimized for quick and easy maintenance.



Product Clamp



Laser Nozzle w. Product Axis



Product Rotation

### Technical Specifications

- BW-TEC HMI touch screen
- parameters to set: power, welding time, rotation speed, focus position, distance
- data storage and network capability with integrated PC
- parameter management with customisable reference lines
- manage authorisations and access rights
- digital camera for active inspection, screenshots and film of production process
- air cooled CO<sub>2</sub> laser
- wave length 10.57 to 10.63  $\mu\text{m}$
- power output 5/10 W
- power stability +/-2 %
- closed loop controller/stabilizer
- spot diameter variable 0.2–4.0 mm
- adjustable focus distance
- headstock with pneumatic collet closer for collets  $\varnothing$  0.4–5.0 mm
- linear slide with removable product fixture travel x-axis 350 mm
- dimensions (L x W x H): 1000 x 504 x 860 mm
- weight: 100 kg
- power: 100–230 VAC, 50/60 Hz, 700 W
- air pressure: 6–10 bar (0.6–1.0 MPa)