



MOTION LASER WELDING MACHINE 1530

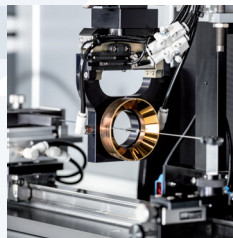
The **Motion Laser Welding Machine** is used to connect fine plastic tubing. This machine is ideal for welding of balloon catheters.

This connection technology allows short, soft and flexible welding-connections. The end result is precisely reproducible.

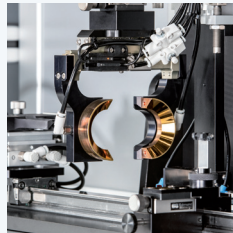
In the machine 1530 the product is not rotated! The laser beam rotates around the components arranged on a mandrel.

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

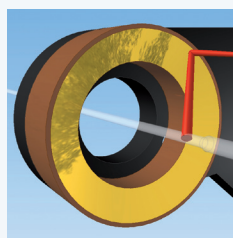
All movement axes are highly accurate and the machine is optimized for quick and easy maintenance.



Mechanisms



Split Mirror



Rotating Beam

Technical Specifications

- product dimension: max. length 300mm
- user interface: BW-TEC HMI touch screen
- parameters to set: power, welding time, rotation speed, distance
- data management: 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 CO₂ laser
- wave length: 10.57–10.63 μm
- laser power output: 0.5–10 W
- laser power stability: +/-2 %
- closed loop controller/stabilizer
- spot diameter: ~2.5mm
- focus distance adjustable via HMI
- product supported in a pneumatic clamp and fine support platforms
- x-axis movement: 350 mm
- dimensions: (L x W x H): 1000 x 674 x 920mm
- weight: 120 kg
- power: 100–230 VAC, 50/60Hz, 700 W
- air pressure: 6–8 bar (87–116 psi)

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