

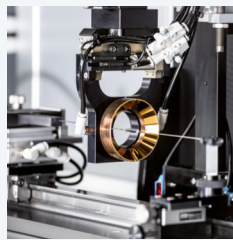


1530 MOTION LASER WELDING MACHINE

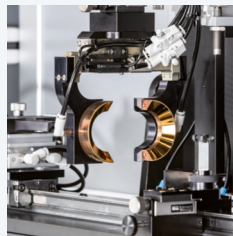
The **1530 Motion Laser Welding Machine** is used to connect fine plastic tubing. This machine is ideal for the welding of balloon catheters.

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

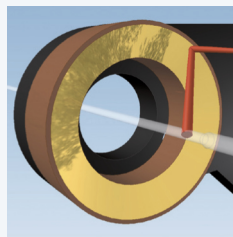
In the machine 1530 the product is not rotated! The laser beam rotates around the components arranged on a mandrel. The touch screen user interface enables process data and user management. All movement axes are highly accurate and the machine is optimized for quick and easy maintenance.



Mechanisms



Split Mirror



Rotating Beam

Technical Specifications

product dimension: max. length 220 mm

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: ~2.5 mm

focus distance adjustable via HMI

product supported in a pneumatic clamp and fine support platforms

x-axis movement: 300 mm

dimensions: (L x W x H): 1000 x 674 x 920 mm

weight: 120 kg

power: 100 – 230 VAC , 50/60 Hz, 700 W

air pressure: 6 – 8 bar (87–116 psi)