



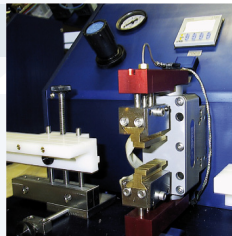
HOT JAW BONDER 23

The **Hot Jaw Bonder** is a machine designed to bond plastic tubes. The bonding energy is transferred through electrically heated clamps and the inner-tube diameter is fixed by a mandrel.

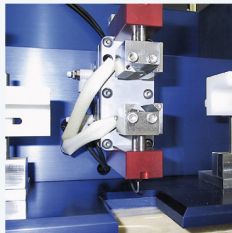
The necessary force to achieve a tight fit between the two tubes is applied through the use of a shrink tube during the welding process.

Relevant process parameters include: temperature, time, mandrel diameter and size of clamp. The correct position is given by an adjustable stopper and the welding process is initiated by applying pressure to the foot switch pedal.

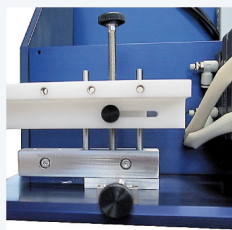
Up to three products can be processed simultaneously.



Heating Element



Detail



Product Guide

Technical Specifications

- pneumatically actuated parallel gripper equipped with fixtures for the heating clamp
- removable heating clamps with 3 bonding cavities
- adjustable production guide with stopper
- heating elements: 2 x 200 W
- heating range: 20–300 °C
- separate PID temperature controller with thermocouple type K for the upper and the lower heating elements
- timer for free chosen welding time (from 0–60 sec)
- option: valve and connector for a cooling nozzle
- dimensions (L x W x H): 400 x 400 x 260 mm
- weight: 12 kg
- power: 230 VAC, 600 W, others upon request
- air pressure: 6 bar (0.6 MPa)