



BALLOON MOULDING MACHINE 272

This **Balloon Moulding Machine** is a laboratory version. It is mainly used to develop plastic balloons for angioplasty catheters. It is equipped with one product fixture and can produce a daily rate of approximately 100 balloons. The tube is placed in a 3-part mould. The mould is equipped with a weight in order to achieve the necessary pulling force during the moulding process. The process pressure ranges up to 50 bar (725 psi) and the required temperature is transferred by using heated DI water up to 96°C (204°F). The process parameters for each product can be stored in separate menus.



PLC Panel



Product clamp



Instruments

Technical Specifications

- up to 100 balloons per shift
- Working platform with implemented containers in stainless steel
- Heated water container equipped with electrical heating elements (2 KW), level controller and thermostat
- PID-controlled process temperatures: 96°C (204°F) for moulding and 10°C (50°F) for cool down
- Chilling container water cooled; Optional: external Chiller or integrated peltier elements
- X and Z axis; linear guide driven by stepping motor
- Pneumatically actuated fasteners are used for holding the product
- Process pressure up to 50 bar (725 psi) controlled by an electronic pressure controller
- The actual pressure is shown on the PLC screen
- Low pressure system 6–10 bar (87-145 psi) for product fixture
- PLC controller with user interface for programming of all parameters
- Memory modules for 100 menus
- Dimensions LxWxH: 70 x 60 x 195 cm
- Weight 90 kg
- Power 230 VAC (others upon request)
1750 W

BW-TEC AG

HOFSTRASSE 1
CH-8181 HÖRI
SWITZERLAND
TEL +41 44 863 70 70
FAX +41 44 863 70 79
www.bwtec.com