- LASER WELDING
- BALLOON MOULDING
- NECK DOWN
- COATING
- CUTTING
- TESTING

BW-TEC
WE BUILD MACHINES TO SAVE LIVES

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EQUIPMENT FOR MEDICAL DEVICE MANUFACTUERS

BW-TEC AG offers a comprehensive and leading-edge line of equipment for balloon production, catheter manufacturing, coating and testing for the medical device industry. This includes machinery for balloon forming, welding, necking, cutting, coating, testing, mold production and more.

BW-TEC develops and builds customized equipment for the medical device industry for a wide range of applications.

Swiss quality is ensured through more than 20 years of engineering experience in the industry and by designing and manufacturing all equipment in Switzerland.

Visit us on **www.bwtec.com**

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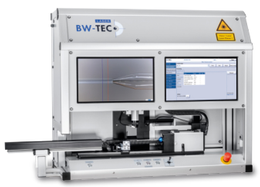


LASER WELDING MACHINE 1410

To weld distal and proximal end of balloon catheters including tip forming. Equipped with a CO_2-laser, digital camera and easy to use HMI.

LASER WELDING MACHINE 1530

To weld rotation-symmetric connections of plastic tubes and balloons. Equipped with a CO_2-laser and a 360° mirror to avoid product rotation.

HOT JAW BONDER 23 3UP

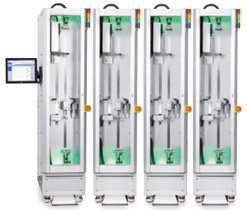
To bond plastic tubes by heat transfer through custom designed jaws. Welding force is achieved by a heat shrink.

BALLOON FORMING MACHINE 2250 1UP

To mold a variety of plastic balloons (1.5 – 40mm / lengths 8 – 350mm). Standard machine with a wide range of options.

BALLOON FORMING MACHINE 2230 4UP

To mold four balloons in one cycle. Balloon mold diameters between 1.5 – 14 mm and lengths of 8 – 60 mm are possible.



BALLOON FORMING MACHINE 1555 1-4UP

To blow a variety of plastic balloons. The small footprint and the up to four vertical balloon machines are a great advantage to gradually meet growing production demands.

SOFT BAL. FORMING MACHINE 2430

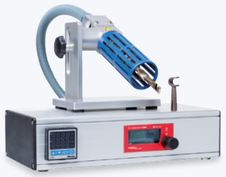
To blow a variety of high quality soft balloons. The split head allows the production of balloons with complicated shapes. The machine is characterized by a short process time.

HYDROPHILIC COATING MACHINE 2269

To coat up to 21 products simultaneously by dipping and are cured with UV exposure. The machine is equipped with a temperature and humidity sensor and two digital cameras to monitor the process.

LEAK TESTER 1942 1-12UP

To do final inspection of balloon catheters with high pressurized air. Can pressurize up to twelve balloons at a time.



HOT AIR STATION 1412

To be used in many different applications. Useful for heat shrink fixation, luer bend protection and welding of simple connections.

TUBE CUTTING MACHINE 2537

To automatically cut various plastic tubes with small wall thickness and for high cutting volumes.

BALLOON SLEEVE CUTTER 1405

To cut the proximal and distal ends of balloons. The cutting die is customized according to the angle of the cone and the preferred length of the sleeve.

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CUTTING DEVICE 1401

To manually cut plastic tubes for a variety of different diameter and wall thickness. the cutting head is mounted on a precision linear slide.

VERTICAL NECKING MACHINE 2015 5UP

To neck down up to five tubes simultaneously prior to the balloon forming process in order to define parison length and sleeve diameter.

NECKING MACHINE 1600/1610/2920 1UP

To neck down a tube through a split die prior to the balloon forming process in order to define parison length and sleeve diameter.

AUTONECKER MACHINE 2711

For neck down a tube batch through a split die on both sides in a fully automatic, operator free process.

PRESSURE TESTER 2766 1UP

To do final inspection of balloon catheters with water. Used for burst-, compliance-, leak-, and multiple inflation testing.

PRESSURE TESTER 2577 8UP

To do final inspection of balloon catheters. Used for burst-, compliance-, leak-, and fatigue testing. Option: Inflation- and deflation measurement.