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

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.

To manually cut plastic tubes for a variety of different diameter and wall thickness. The cutting die is customized according to the angle of the cone and the preferred length of the sleeve.

To weld rotation-symmetric connections of plastic tubes and balloons. Equipped with a CO₂-laser and a 360° mirror to avoid product rotation.

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

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

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.

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.

To do manual inspection of balloon catheters with a polarization filter. The filter is used to evaluate the consistency of the wall thickness and cone geometry.

To weld distal and proximal end of balloon catheters including tip forming. Equipped with a CO₂-laser, digital camera and easy to use HMI.

To bond plastic tubes by heat transfer through individually designed brass clamps. Inner lumen is maintained by a mandrel. Welding force is achieved by a heat shrink.

To do inspection of balloon catheters in water bath with precise pressure control and an optical micrometer. Used for burst-, compliance-, multiple inflation- and leak testing.

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

To do final inspection of balloon catheters in water bath with precise pressure control and an optical micrometer. Used for burst-, compliance-, multiple inflation-, and leak testing.

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

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.

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

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

To do inspection of balloon catheters in water bath with high pressurized air. Can pressurize up to eight balloons at a time.

www.bwtec.com
BW-TEC offers equipment for the production of balloon catheters. This includes machinery for welding, cutting, necking, moulding, coating, testing and more. Our world-famous CO₂-laser welding machine is used for welding rotation-symmetrical connections of plastic tube materials, while our balloon-formers can be used to produce a wide variety of balloons. We develop and build customized equipment for the medical device industry for a wide range of applications. Process support and development consulting is on hand as well.

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