

## Production and inline assembly for medicinal products

Complete production solution for the manufacture of medicinal products.



**The handling of a multitude of components with widely varying material behaviors presents special difficulties:**

An extremely stretchable and formable tube is cut to a specified length and wound on to a workpiece carrier. Various plastic components are mounted on this tube. Parallel to this a bag that is produced inline is joined together with other components and welded.

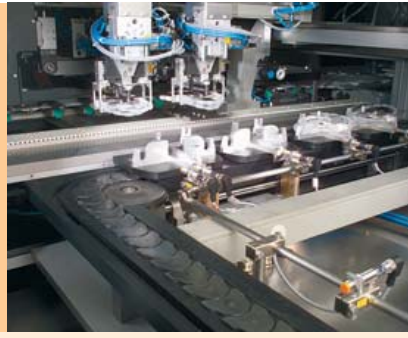
In a final work operation the tube and bag are joined together and also welded.

**The technologies used here comprise the following:**

- The feed and process engineering, which are adapted to the materials
- The assembly of complex parts such as inlet valve, outlet valve, tube
- The inline manufacture of a bag and imprinting with the volume markings
- The heatsealing of bags with an outlet valve and inlet valve
- An ultrasound welding station, which cuts the bag contour and welds on a bag seam



Feeding of a 2-layer foil laminate for the production of bags



Assembly stations for the product components outlet valve, connection piece and tube



Dual pick-and-place unit for transfer onto an outfeed belt

Urine bags are used on patients with disturbed or seriously impaired urinary functions and after operations.

The areas of application for these are in incontinence care, intensive care and urological treatment. It is differentiated between night bags and bags for mobile use (for example, a leg bag).

Besides the production of urine bags complete care sets can be packaged and packed by linking this to an end packing peripheral unit.

This can be additional products, such as:

- Muslin compresses
- Slotted hole cloths
- Swabs and swab dishes
- Pincers
- Latex gloves
- Underlays

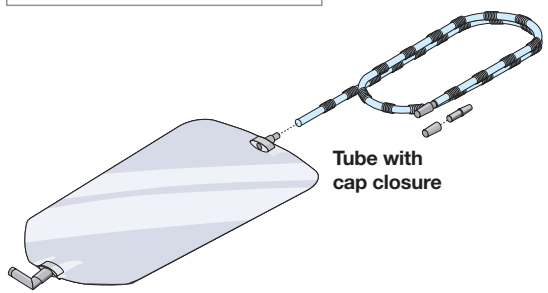
**Technical data**

**Intermittent production**

Up to 80 products / minute

**i** You will find further informations in our brochure „System solutions for web processing materials“

**Production of medicinal products:**



Tube with cap closure