

Fully automated sewing and welding system for filtering bags



This system is used for the fully automated sewing or welding of filter materials into bags. The fabric is reeled off a roll and fed into the bag shaper, ensuring that the bag is properly positioned for the machine. The endless bag is cut to an adjustable length at the end of the system. A ring mark and a company logo can be added during the same process step. The completed bag is pushed out of the system on the side and drops to a cart.

A buffer is located in front of the cutting unit, in which the bag is scratch buffered during the cutting process. This way there is no need to stop the sewing machine during the cutting process. As soon as all the fabric has unreeled from the roll, the system stops automatically. A new roll is inserted into the coil cradle manually and sewn onto the old fabric roll, making the renewed threading unnecessary.

Technical specifications:

- Dimension of the system for bag lengths of up to 4 m: approx. length: 12 m, approx. max. width: 2.5 m
- The modules are expandable to accommodate bag lengths of up to 8 m and 12 m
- Integrated butt seam machine for sewing together the filter material when the reel is exchanged
- Bag diameter: min. approx. 120 mm, max. depending on the customer's requirements
- Special bag shaper (world premiere)
- The preselected bag length is cut automatically
- Your company logo is added to the completed bag
- Adjustable marking station for the bearing ring positions
- Input of piece number
- Integrated sewing and welding station: 3 needle double chain stitch, downward arm machine, special welding machine

Options:

- Windup system for endless bags
- Folding system