

Centre winder

ZWI

for winding-up several narrow fabrics in roll form simultaneously



Concept

This winder is placed immediately after a narrow fabric weaving or knitting machine. It enables up to 6 strips to be wound on large rolls, synchronous to the weaving or knitting operation.

The roll is driven by a shaft in the centre. Side disks may be used with very narrow fabrics or high tensile forces, ensuring a clean roll formation and preventing excessive tensions at the centre.

The common roll drive ensures uniform fabric thickness and equal roll diameters at all winding positions. The winding speed is matched to the weaving or knitting speed as the case may be by a compensating arm and the frequency-controlled drive.

Key features

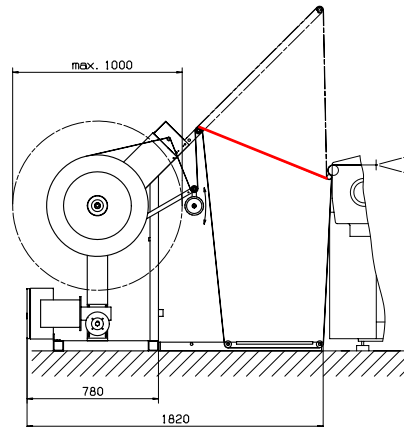
- Roll diameters up to 1000 mm
- Up to 6 winding positions depending on fabric width
- Automatic adaptation of winding speed via compensating arm
- Fabric tension selectable by attaching weights to compensating arm
- Constant winding tension throughout diameter range
- Continuous regulation of the winding speed to avoid starting and stopping
- Simple changing of all rolls (simultaneously) by doffing/centering disks
- Winding possible with or without side disks
- Straight fabric guidance from production machine to winder

Standard equipment

- Frequency-controlled drive
- Compensating arm
- Horizontal fabric infeed
- 3" cardboard core winding (72.6 mm)

Models

- ZWI-2 for 2 winding positions
- ZWI-4 for 4 winding positions
- ZWI-6 for 6 winding positions



Fabric guided horizontally (standard) or optionally from above.

Options

- Traversing motion
The fabric traverse range of +3 mm assures flat roll formation even with fabrics having thickened selvages
- Side disk system
For roll changing with disks to be used in further processing
- Entry rod with tread plate, for conveying fabrics under the control stand (when guiding from below)
- Fabric guidance from above
- Core feed deviation

Technical data

- Inside core diameter 3" (76.2 mm) standard, other dimensions to order
- Winding speed from 1 to 7 m/min
- Outside roll diameter 1000 mm max.
- Minimum fabric width 20 mm

Connected load

Power consumption 0.5 kW
Power supply 1 x 230 V+N+PE/50 Hz

Dimensions

Width 800 mm
Depth without tread plate 1160 mm
with tread plate 1820 mm
Height 1360 mm

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**Fascination of Ribbons and Narrow Fabrics
Innovation in Machinery**

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