

Winding Solutions

neuenhauser



Neuenhauser was founded in 1955 as a design and manufacturing company. It has specialized in the field of automated transport systems for the various production processes of textile spinning mills and the associated individual needs.

Neuenhauser offers a wide range of automatic systems for the transport of spinning cans, roving bobbins, and yarn packages, as well as palletizers or de-palletizers and related downstream systems such as carton or polybag packaging systems. The automatic quality control of yarn packages by means of Vision Systems, named QCS, has also become an essential process in modern spinning mills.

The portfolio is rounded off by the use of Automatic Guided Vehicles (AGVs), which are wi-

dely used in various industries but are rarely found in the textile industry.

In addition to the quality feature „Made in Germany,“ Neuenhauser Textile Division Automation places the greatest value on continuous product and process innovations, the use of “state of the art” technologies, and sustainable products. The name Neuenhauser enjoys an excellent reputation worldwide. The reference list reads like the „who is who“ in the textile industry.

Neuenhauser sees itself not only as a system supplier of automation solutions in various stages of expansion, but more as a long-term partner who always has an open ear for the daily new challenges and optimizations of the processes that our customers must face.

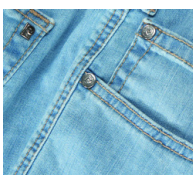
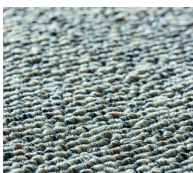
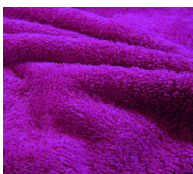
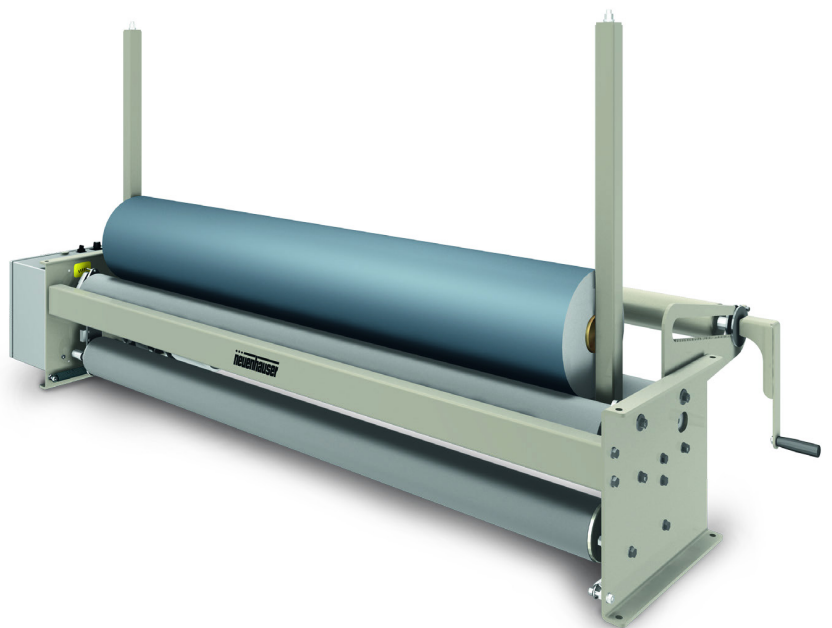
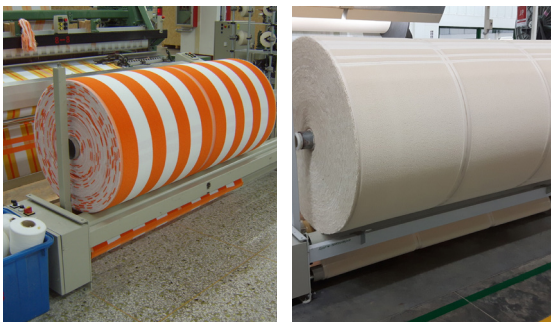


T Z W T Z C

- | | | |
|----------|----------------------|-------|
| 1 | Eco Winder | p. 4 |
| 2 | Multi Winder | p. 5 |
| 3 | Center Winder ZW-CF | p. 6 |
| 4 | Center Winder ZW-AF | p. 7 |
| 5 | Center Winder ZW-TFS | p. 8 |
| 6 | Center Winder ZW-LC | p. 9 |
| 7 | Combi Winder | p. 10 |
| 8 | Accessories | p. 11 |

1

ECO WINDER



Standard fabrics

- Sheeting
- Linen
- Denim
- Cotton
- Silk
- Apparel
- Tablecloths
- Terry

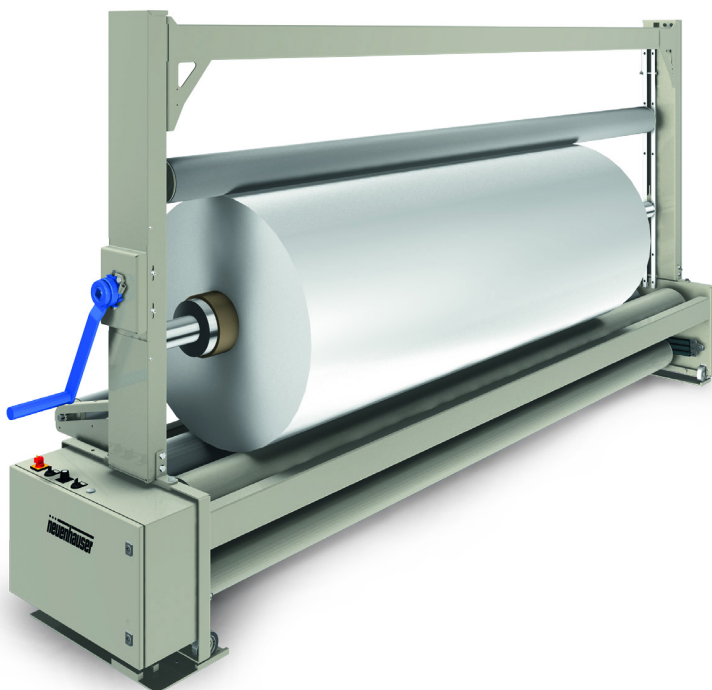
Economic

The compact Neuenhauser surface winder for all small and medium width standard fabric styles at a very competitive price.

With it's fully automatic dancer control the EcoWinder provides all essential capabilities and fits perfectly to any weaving machine of

190-260 cm reed width.
(Larger widths up to 360cm for lightweight fabric rolls on request)

MULTI WINDER | 2



Our „Multi-talent“

Our „multi-talented“ winder especially for heavy rolls, wide or multi-panel weavings or warp knitted fabrics.

In its standard version, the MultiWinder comes with fully automatic dancer control and offers outstanding quality and performance at a nevertheless very reasonable price.

To wind demanding technical fabrics of all kinds, we equip your MultiWinder individually for your and your fabric's special requirements.

Different controls, drives, roll sizes and the large pool of options make the MultiWinder the universal tool for really all kinds of surface winding tasks.

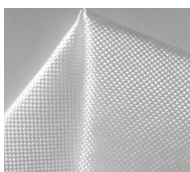
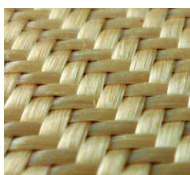
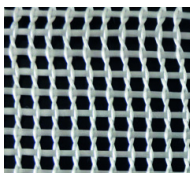
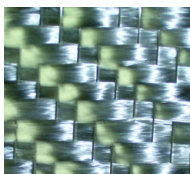


Wide standard fabrics

and also

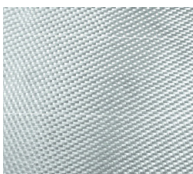
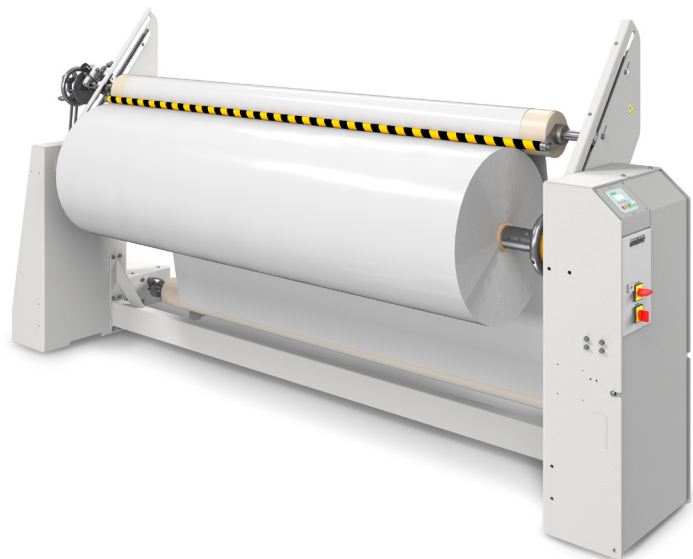
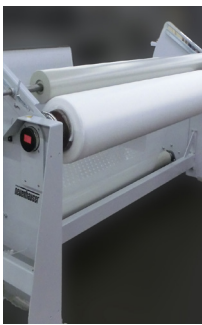
Technical fabrics

- Conveyor belt fabrics
- Coating fabrics
- Tarpaulin fabrics
- Glass fabrics
- Airbags
- Aramid
- Reinforcement fabrics
- Awning/canvas fabrics
- Geotextiles
- Carpets
- Carpet backings
- Warp knitting



3 |

CENTER WINDER ZW-CF



Compressible fabrics such as

- High pile terry
- 3D fabrics
- felt



but also distortion sensitive/open styles like



- Polyester
- Scrim
- Rovings

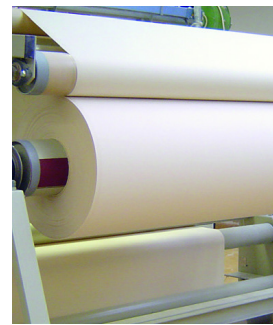
Small but powerful

The ZW-CF is our most compact center winder.

With its simple design it is the inexpensive solution especially to wind voluminous fabrics in a deliberately soft and structure-preserving manner.

However, its programmable winding tension curve also qualifies it to build perfect rolls of many other fabric styles which, due to their structure or material, cannot be processed properly on surface winders anymore.

CENTER WINDER ZW-AF | 4



Simply move the finished rolls away?

Have you ever thought about how you can bring your rolls directly from the loom to the finishing department without any additional handling? The Neuenhauser ZW-AF is your solution!

Hard or soft rolls, small rolls or rolls with a diameter of up to

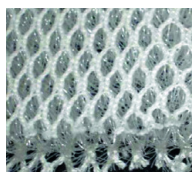
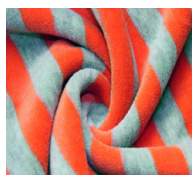
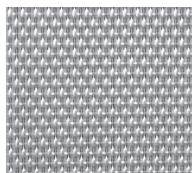
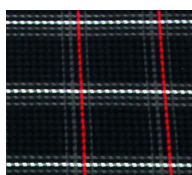
1.8 m, the winder takes it all. We can deliver it with a new A-frame or adapt it to your existing one, it's available with or without inspection stand, with spreader bar and a lot more, and we of course adapt it to any type of A-frame coupling if needed.

Large diameter rolls

Compressible fabrics

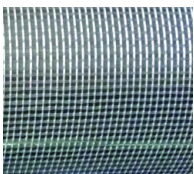
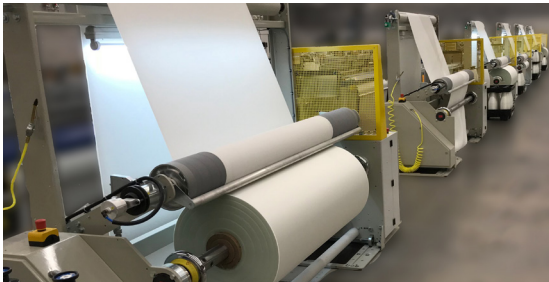
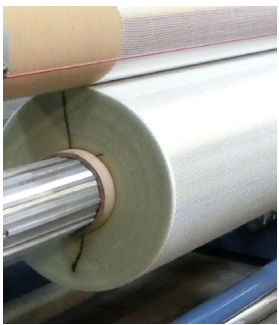
- Mattress ticking
- Automotives
- Linen
- Cotton
- Upholstery
- Monofil
- 3D fabrics

and much more



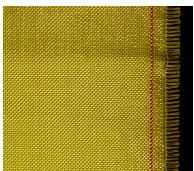
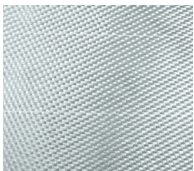
5 |

CENTER WINDER ZW-TFS



Sensitive/difficult Technical textiles

- Open glass/roving fabrics
- Thin/fine glass weaving (PCB)
- Mesh/Lino weaves
- Carbon
- Aramid
- PTFE-Glass



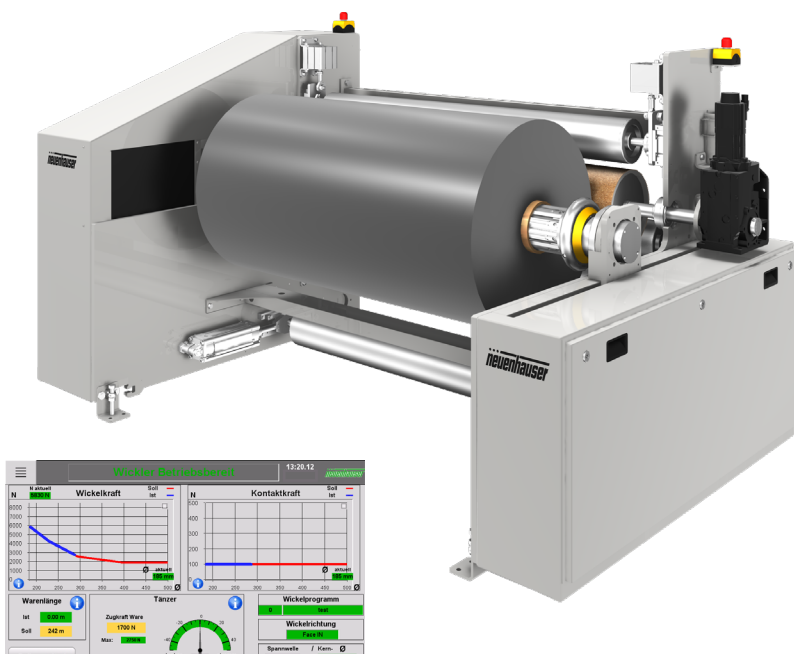
High precision

The Neuenhauser Center Winder ZW-TFS was developed to wind even the most difficult high-tech fabrics up to a width of 300 cm.

It provides power as well as sensitivity and the highest precision.

The feature to set and program pulling tension and the winding force progress independently from each other makes it easy to build perfect rolls even of really delicate materials.

CENTER WINDER ZW-LC | 6



Move the roll

The ZW-LC is our solution for all center winding tasks especially for larger fabric widths up to 4.5m (or even larger on request).

Unlike the conventional process, the Neuenhauser ZW-LC moves the fabric roll, which grows during winding, away from the stationary nip roller.

This impressively clear and logical principle is implemented with 3 separately con-

trolled drives and an uncompromisingly stiff high-precision design. In this way we provide perfect control and complete monitoring of all winding data and exceptional repeat accuracy.

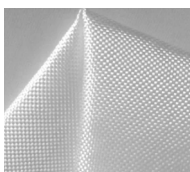
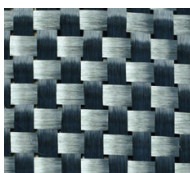
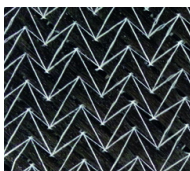
Operate your ZW-LC like your smartphone with the new intelligent tablet touch! See at a glance which forces you are currently applying to the roll and how the winder is executing your actual winding program.

The ZW-LC is available in different versions, both for weaving machines and for warp knitting machines up to 10m/min.

For fabrics made of

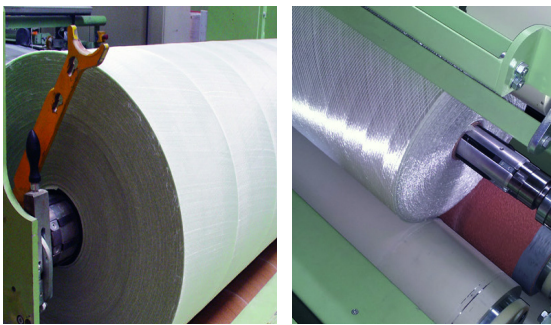
- Glass
- Carbon
- Aramid
- PTFE-Glass
- Polyester

and much more



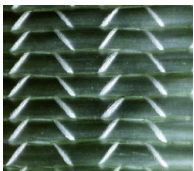


COMBI WINDER



Technical warp knitting Technical weaves

- Biaxial
- Multiaxial
- Glass fiber
- Carbon
- Geotextile
- Liner



Two in one

Neuenhauser CombiWinders combine surface winding and center winding in one machine.

Whenever fabrics are too sensitive for surface winding but also too heavy and wide for center winding, our Combi-Winder is the ideal solution.

Available in various executions our CombiWinders have become wellknown and established as first choice winders, especially for the winding of advanced multi-axial glass fiber or carbon fabrics.

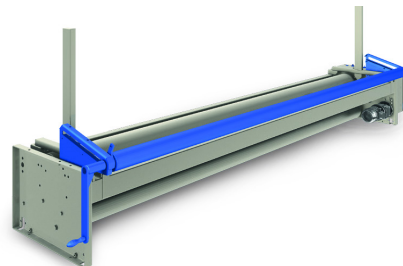
ACCESSORIES | 8



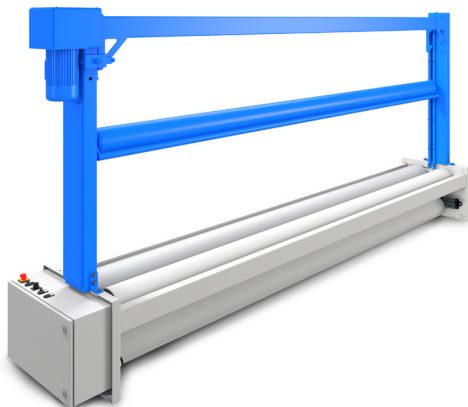
Handcrank pressroller



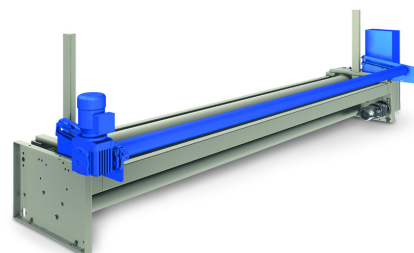
Traversing / Oscillating



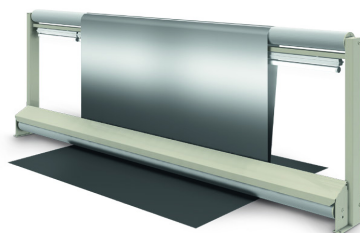
Handcrank doffing device



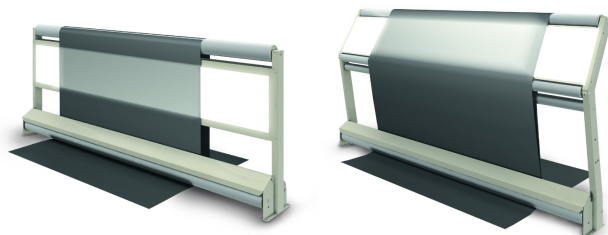
Electrical pressroller



Electrically driven doffing device



Vertical inspection



Vertical / inclined inspection with light box

Neuenhauser Maschinenbau GmbH

Hans-Voshaar-Straße 5
49828 Neuenhaus
Germany

phone: +49 (0) 59 41 60 40
mail: neuenhauser@neuenhauser.de

www.neuenhauser.com

