

easywind

Fabric winding and coupling unit for digital textile printing

Why winding fabrics?

Winding is necessary to adapt the fabric to the various types of cylinders and core-rolls used on printing, pre and post-treatment machines.

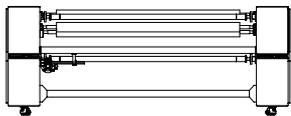
Why easyWIND?

easyWIND is a powerful and high-precision motorized unwinder/rewinder, designed specifically to manage any type of fabrics wrapped onto metal and cardboard cylinders, and coupling or separating

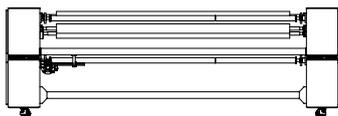
them from a separator material layer, functional to printing, steaming and washing operations.

The pull control system is based on load cell and the self-centering and translating output carriage allow the user to create new fabric rolls wrapped with the desired tension, and perfectly aligned.

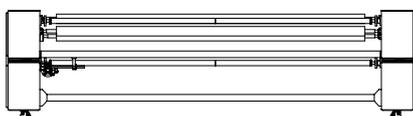
Thanks to the pre-stored sets within the control tablet, the use of easyWIND is easy and intuitive, allowing to perform the required operations in the shortest possible time, being able to ensure the achievement of speeds up to 20 m/min.



A easyWIND 2000



B easyWIND 2600



C easyWIND 3500



Automation & optimization of process

Full integration

easyWIND is designed as a stand-alone unit to be positioned in the print production department, serving one or more mid-range inkjet printers.

1. LOAD CELL

A load cell with high sensitivity allows easyWIND, by adjusting the speed of the individual motorized rollers, to create new rolls wrapped with a constant tension and can be set up to 50 kg.

2. TRANSLATING CARRIAGE

easyWIND has a motorized sliding carriage which, thanks to a precise optical reader placed in correspondence of the fabric selvedge, is able to create new perfectly aligned rolls.

3. DRAWING-IN WITH MOTORIZED CILINDERS

The drawing-in of easyWIND has been designed to make simple and efficient coupling operations and separation of fabric from a second layer. The motorized cylinders, controlled by the PLC via tablet interface, can work at independent speeds, for optimum control of each roll.



Technical specifications

Main applications

Winding/unwinding fabric rolls and coupling/separation of a second layer

Coupling/separation technology

Motorized rollers with loading cell and translating carriage

Applicable tension (Max)

50 kg

Compatible fabrics

Any kind of fabric

Fabric roll diameter (Max)

300 mm

Fabric width (Max)

Mod. 2000: 1.800 mm

Mod. 2600: 2.400 mm

Mod. 3500: 3.300 mm

Machine size

Mod. 2000: 3405x1200x1250 mm

Mod. 2600: 4005x1200x1250 mm

Mod. 3500: 4905x1200x1250 mm

Machine weight

Mod. 2000: 700 Kg

Mod. 2600: 820 Kg

Mod. 3500: 970 Kg

User interface

Touchscreen

Power supply

400 V / 50 Hz / 3 ph

480 V / 60 Hz / 3 ph

Capacity (Max)

20 m/min

Want to run a test or a demo with your fabrics?

Cibitex easyTEX LAB is our demo center and is available for our end users and sales partners at our headquarters in Solbiate Olona (Varese, Italy). At our site, managed by service engineers, demonstrators and consultants, we've always installed and operating all our easyLINE modules. easyTEX LAB is also equipped with a training and conference area.

easytexlab

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