

# Automatic Turret Winder AW 1500 E

with winding shaft support



The world  
of winding

**Soma**tec

# Automatic Turret Winder AW 1500 E

## Special features

The automatic Turret Winder AW 1500 E is featured by the following characteristics:

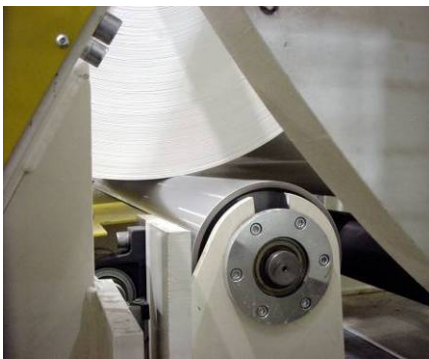
- Winding of reels up to 1,500 mm (60") diameter
- Reel weight up to 3,500 kg (7,700 lbs)
- Reel support on expansion winding shafts with minimum 100 mm (4") diameter
- Automatic reel change at full production speed onto prepared cores
- Contact roll arrangement for contact winding mode and gap winding mode

The application range of this winder expands from printing lines to the paper production and paper converting industry, but is also perfectly suitable for other tasks, where flat webs have to be wound continuously onto winding shafts.

Whether you want to integrate this winder into a new or existing line, it always will perfectly fit.

## Load Relieving Device

Especially for large working widths a Load Relieving Device is available, to compensate the weight of the wound reel, starting at a certain diameter. Therefore a high roll weight onto a relative small winding shaft diameter can be achieved.



An additional advantage of this winder is, that it can be equipped with features like:

- ▶ Slitting devices for edge trimming
- ▶ Load relieving device for winding of high reel weights
- ▶ Different handling components

No need to say that this machine concept can also be perfectly adapted to individual requirements. In this case our specialists are eager to develop innovative solutions based on your production experience and their longtime winding know-how.



In case the Load Relieving Device is used, the winding roll will be indexed into the unloading position. This position becomes now the final winding position. The support roll of the Load Relieving Device is motor driven in order to avoid any negative influence to the material's surface during engagement.

## Technical data

Reel diameter: max. 1.500 mm (60")  
Material width: max. 2.500 mm (98")

Other dimensions a



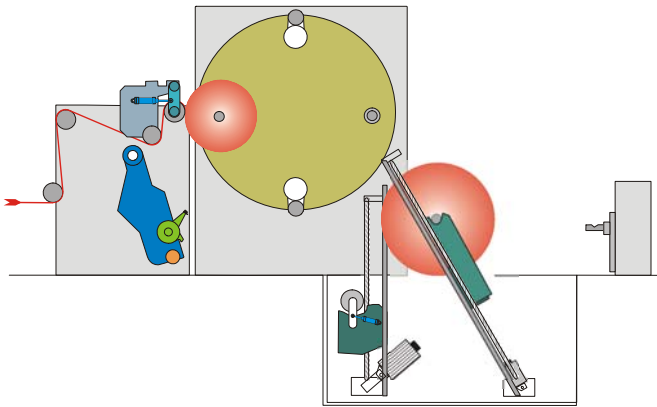
Fast-mode door for CE-safety compatibility

## High Speed Reel Change System TAC

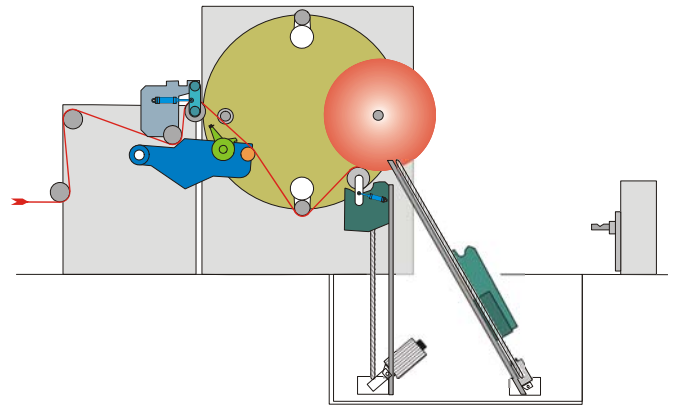
The automatic Roll Change System TAC is characterized by a rectangular cross cut at a web speed of max. 600 m/min (2000 fpm). This is achieved due to an electro-mechanical pre-loading of the serrated cross cutting knife. Lay-on of the web is performed automatically onto cores, prepared with adhesive tape. The solid design combined with minimum wear ensures a high production efficiency.

The Reel Change System TAC can be mounted either from top or from below in order to wind the face of the web alternatively inside or outside of the reel.

To reach highest flexibility in the production process, the winder can also be equipped with one top and one bottom mounted Roll Change System TAC.



Winding process and reel unloading with unloading fork arms



Winding with Relieving Device shortly before reel change

Reel weight: max. 3.500 kg (7,700 lbs)  
Speed: max. 600 m/min (2000 fpm)  
More available on request

## Automatic Handling Systems

Should further automation of the winder be requested, it can be equipped with:

- ▶ Unloading of the wound reel
- ▶ Handling of the winding shafts

For this purpose unloading fork arms, elevator carts and winding

shaft extractors will be added.

**SOMATEC's ultimate ambition is to suite the customers personal ideas by either combining the machine with existing or new devices.**



State-of-the-art operation via color OP and/or hardware buttons



Unloading fork arms for reel disposal on floor level



Winding shaft holder in combination with a floor conveyor

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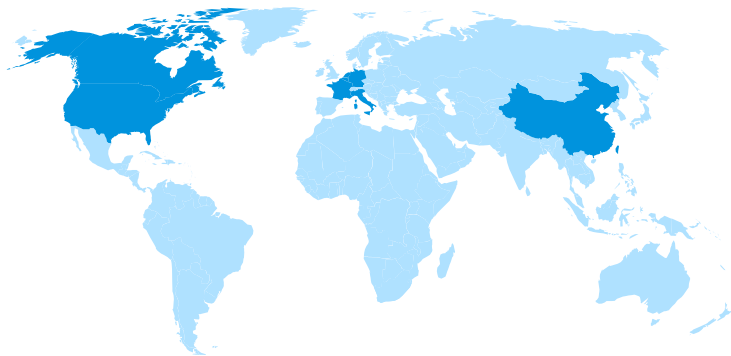


## Our product range

- In-line and off-line unwinders and rewinders
- Re-reelers / Slitter-Rewinders
- Short roll winders
- Accumulators
- Reel handling equipment
- Winding components

## Our services

- Consulting
- Technical development
- Project engineering
- Design and manufacturing
- Assembly and commissioning at SOMATEC and at customer's site
- Complete automation and integration within new or existing lines
- Retrofitting of existing machines and lines
- Complete after-sales service



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