



SomaTec

The world of winding



Customised winders and accumulators



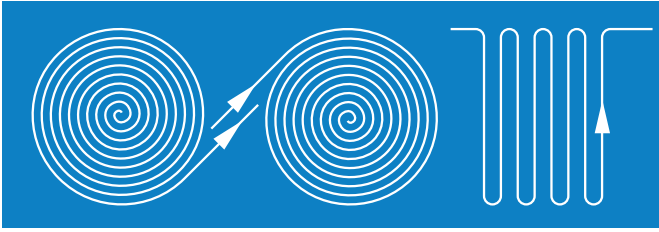


The SOMATEC range

- In-line and off-line winders and unwinders
- Re-reelers and web processing machines
- Accumulators
- Finished reel and winding shaft handling
- Single winding components

What SOMATEC offers

- Support
- Technical development
- Project planning
- Design and manufacture
- Assembly and commissioning at SOMATEC and on site, worldwide
- Full automation and integration into new or existing machinery
- Modification and retrofitting of existing machinery and equipment
- After-sales service



Customised winders and accumulators

Customised winders

Single and double-station winders and unwinders | [Page 4](#)

Accumulators

with pneumatic or electromotive drive | [Page 6](#)

Winders and accumulators enable efficient finishing of products that come in the form of webs. There's hardly anything that we haven't design or built for these applications. Our experts draw on decades of experience to create customised solutions that are perfect for the product and areas in which it's used. Which is why you can count on SOMATEC winders and accumulators to be very reliable and operate efficiently.

The solutions shown here are examples of a wide range of potential applications and configurations.

Please contact us if you would like a demo, or some advice.



Customised winders

SOMATEC customised winders are tailor-made to your specifications. As winders and unwinders, they're primarily used in finishing products that come in web form. Connected to production lines, they are a low-cost solution for (re)winding paper, nonwovens, films, composites, and tobacco.

- Single and double-station winder versions
- Webs are either spliced manually during a reel change (in the case of a stationary web) or with the aid of an automatic web splicing system (in the case of a double-station winder)
- An accumulator is integrated in the case of manual web splicing

Drive variants

- Unwinding points with pneumatic or regenerative braking
- Drive and braking, depending on the material, in the centre or on the circumference of the reel

Web splicing

- Web splicing table on the unwinder
- Semi-automatic or automatic or web splicing systems for multiple station winders and unwinders

Reel support

- Take-up by a winding shaft in safety chucks, or pneumatic spindles, or shaftless take-up via expansion chucks
- Overhung mandrels depending on the reel weight
- Hydraulic or motorised lifting or depositing of the reel

Additional features

- Tension control via pendulum rollers or tension measuring rollers
- Driven pull rollers to convey the web
- Reel loading or unloading cart

Unwinder for aluminium foil with an overhung winding shaft



Shaftless winder for paper in a 3-metre working width



Transportable lab unit





Accumulators

If reel changes need to be done when machinery is at a standstill, accumulators enable continuous conveying of the webs to or from the production line.

- An accumulator carriage with a pneumatic or electromotive drive
- The accumulator carriage can work from the bottom or top
- Easy insertion of the webs of material in a comb-roller accumulator version
- Capacity of just a few to over 200 metres

Pull rollers in front of the accumulator



Accumulators for adhesive tape



Drive concepts

- The roller carriage is moved pneumatically or motorically
- When pneumatically driven, the subsequent take-off is controlled via the position of the roller carriage
- When motorically driven, mechanical or pneumatic weight relief of the roller carriage for sensitive control

Upgrades/options

- Driven pull rollers on the infeed or outfeed side
- Web-edge control on the outfeed side
- Multi-loop systems for a very compact design and high accumulation capacity

Accumulators with 200 m of accumulation capacity





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