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The ALPHATRIM is a flexible unit for winding edge trims under precise tension control.

ALPHATRIM

Trim winders

ALPHATRIM winders can be supplied for a wide range of applications.

They are available with traverse winding for spooling of narrow width trims or for straight winding with wider trims.

Each trim winder is driven by its own variable speed motor running under closed loop tension control from a precision pneumatic dancer.

Alternatively, where space is at a premium, the winder motor can be operated under direct torque control.

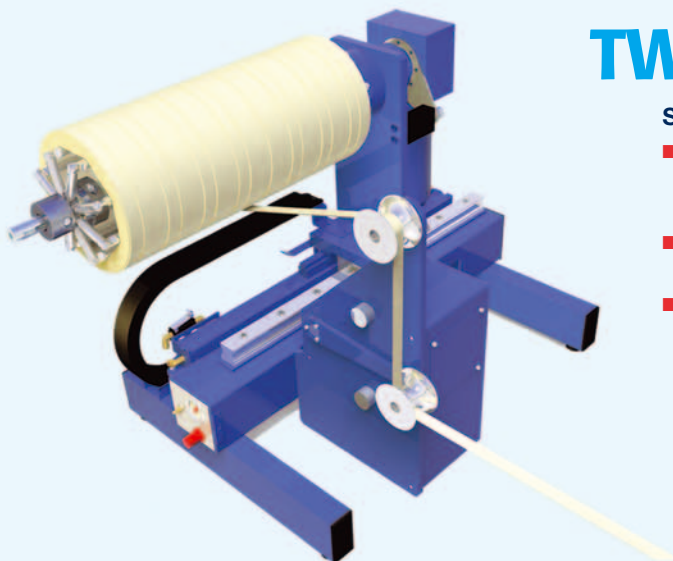
Full sized rolls can be unloaded quickly and the winder restarted.

ALPHATRIM winders are fitted with a remote air inflation system on winding shafts for paper cores or a quick release mechanism on coreless shafts.

TWM

Standard features – TWM

- Traverse winding with robust mechanism and electronic control of pitch.
*Spooling pattern independent of line speed.
Eliminates maintenance problems associated with skewed bearing designs.*
- Closed loop tension control through lightweight dancer roll.
Precise setting and winding tension.
- Full width lay-on roll for optimum lay-down with trapezoidal profile of spool ends.
Eliminates edge collapse.



TWM-P

Standard features – TWM-P

- Traverse winding with pneumatic control. Traverse rate controlled pneumatically.
Traverse speed set by the operator.
- Integration with line PLC.
Remote control of traverse operation
- Closed loop tension control through lightweight dancer roll.
Precise setting and winding tension.

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TWM and TWM-P trim winders

Standard features – TWM and TWM-P

- Choice of winding shafts.
Air inflated shafts for paper cores or coreless.
- Auto-stop on web break.
Web break detection and signalling to winder control system.
- 220-240V, 10A single phase supply, 6 bar (90 psi) air supply.
Plug in, attach trims and go!
- Free standing.
Can be positioned by the processing line and easily moved to different locations.

Typical materials handled – adhesive or non-adhesive

Aluminium	Label stock	Paper
Filaments	Laminates	Rubber
Film – OPP, PET, PE	Non-woven	Textiles

Specification

Web width	5 to 40 mm	$\frac{3}{16}$ to 1 $\frac{1}{2}$ in
Rewind diameter (maximum)	350 mm	14 in
Maximum package width	450 mm	18 in
Rewind weight	30 kg	66 lbs
Rewind tension	0.2 to 1.0 kg	0.5 to 2 lbs

Options

- Rewind shaft
 - Air inflated rewind chuck for 76 mm (3 in) or 152 mm (6 in) paper cores.
 - Mechanical chucks for coreless winding.
 - Plain shaft for use with core adaptors.
- Other options
 - Path rollers to take the trim from the slitting station to the trim winder.
 - Driven pull roll and running nip to ensure positive pull even during roll change when used on non-stop process.
 - Wider webs.


Other data and options – TWM

Line speed	250 m/min	820 ft/min
Dimensions (h x w x d)	55 x 100 x 60 cm	22 x 40 x 24 in
Weight	80 kg	180 lbs

- Other options
 - Line speed 600 m/min 2,000 ft/min.
 - Stackable – multi-head configuration on a single backplate.

Other data and options – TWM-P

Line speed	150 m/min	500 ft/min
Dimensions (h x w x d)	61 x 125 x 55 cm	24 x 49 x 22 in
Weight	60 kg	130 lbs

- Other options
 - Line speed 50 m/min 160 ft/min
 - Line speed† 250 m/min 820 ft/min
 - ATEX rating 

† 152 mm (6 in) paper or coreless winding shafts only.

If you need a unit that doesn't match our standard specification, let us know – the design of the ALPHATRIM is flexible enough to be modified to suit your needs.



ALPHAREEL for intermittent winding – a narrow width unit for step feed applications. Has a cantilevered unwind shaft for rapid roll loading.



The ALPHASPOOL free standing spooler is the ideal high speed unit for converting individual pancake reels to a transverse wound spool.



Alpha Converting focuses on web handling technology and is a leading producer of high quality machinery for the converting industry.