

ALPHATWIN

Slitter rewinders



The **ALPHATWIN** twin shaft rewriter – high speed operation with quick job change.

ALPHATWIN slitter/rewinders will process a wide range of materials – widths of up to two metres; film and foils from 10 micron and paper laminates up to 500 micron thick.

Among many benefits are precise control of winding conditions and a unique combination of flexibility and productivity tools which deliver consistent output time after time.

The class-leading, optional automatic knife slitting system with linked laser core positioning is a unique feature that dramatically reduces the time needed to set up a job, no matter how complex.

The ALPHATWIN is available in three formats:

- **STANDARD** Web width up to 2,000 mm wide.
- **COMPACT** Web width up to 1,600 mm wide.
- **NARROW** Web width up to 600 mm wide.

Standard features

- Cantilevered winding shafts with swing away supports.
Enables quick roll change.
- Spacer-less differential rewinding.
Speeds production.
- Machine control by a PLC and industrial touch screen terminal.
Allows operator to create, store and recall product recipes.
- Closed loop unwind tension control.
Maintains product integrity.
- Precision engineered.
Quality manufacture for a reliable, long lasting investment.

Optional accessories

- Automatic knife setting system – *complete knife setting in under 80 seconds.*
- Laser core positioning – *automatically sets to selected slitting pattern.*
- Trim removal suction.
- Powered roll stripping.

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Specifications

ALPHATWIN STANDARD

Web width	1,000 to 2,000 mm	40 to 80 inches
Rewind diameter	600 or 800 mm	24 or 32 inches
Minimum rewind width	50 mm	2 inches
Rewind core diameter	76 mm	3 inches
Unwind diameter	To 1,800 mm	70 inches
Material thickness	10 to 500 µm	0.0004 to 0.020 inches
Line speed (maximum)	450 m/min	1,500 ft/min
Operator interface	Colour touch screen	

ALPHATWIN COMPACT

Web width	600 to 1,600 mm	24 to 63 inches
Rewind diameter	500 mm	20 inches
Minimum rewind width	50 mm	2 inches
Rewind core diameter	76 mm	3 inches
Unwind diameter	800 mm	32 inches
Material thickness	10 to 500 µm	0.0004 to 0.020 inches
Line speed (maximum)	300 m/min	1,000 ft/min
Operator interface	Mono touch screen	

ALPHATWIN NARROW

Web width	300 to 600 mm	12 to 24 inches
Rewind diameter	300 to 500 mm	12 to 20 inches
Minimum rewind width	12 mm	0.5 inches
Rewind core diameter	76 mm	3 inches
Unwind diameter	800 mm	32 inches
Material thickness	10 to 500 µm	0.0004 to 0.020 inches
Line speed (maximum)	300 m/min	1,000 ft/min
Operator interface	Mono touch screen	

Materials – adhesive or non-adhesive

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

Options

- Turnkey supply, including packing, transport and start-up.
- Higher line speeds – up to 600 m/min (2,000 ft/min).
- Rewind unloading systems.
- Choice of full width or individual lay-on rolls.
- Stainless construction for clean room or food grade installations.
- Unwind tension control through AC drive system or precision air brake.

We design and produce bespoke equipment – we can adapt the ALPHATWIN to meet your specific needs.



Pick up unwinds with tension control through precision disk brake or motor drive. Option for shafted unwind. Unwinds may be integral to slitter for space saving and reduced cost or separate for larger diameters and improved access.



Operator interface – the control system uses a menu driven touch screen with recipe recall.



The ALPHATWIN is available with a cantilevered winding shaft for narrow webs.



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

Alpha
converting
ADDING VALUE

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