

DACO

Daco 3 In-Line



The Daco 3 inline turret rewinder is a very flexible converting machine. The 3 spindle turret offers quick change over times, which coupled with a colour touch screen HMI operator interface makes the machine both interactive and user friendly.

The operator can select from either length or a given number of labels per roll and the machine will then automatically cut and transfer the web without stopping. The finished rolls are automatically ejected from the machine leaving the operator only to load cores.

When used on the end of any rotary press, (no inter-linking is required), and with just an electrical and pneumatic supply it is ready for production.

Standard Specification

- Web width 330mm (13") & 410mm (16")
- 3 spindle turret rewind 350mm (13.75") maximum rewind diameter
 - Taper tension control
 - 3 - 76mm (3") air mandrels (or 3 of customer choice)
 - Adjustable core positioning stop
 - Automatic roll eject system complete with roll collection chute

Daco 3 Combi

Inline or offline use without modification



The Daco 3 Combi Turret Rewinder offers the most flexible converting machine available today. Its unique design allows both inline and offline operation without modification. The 3 spindle turret offers quick change over times, which coupled with a colour touch screen HMI operator interface makes the machine both interactive and user friendly.

When used inline the machine can be simply positioned on the end of any rotary printing press, (no inter-linking is required), and with just an electrical and pneumatic supply it is ready for production.

Standard Specification

- Web width 330mm (13") & 410mm (16")
 - Maximum unwind diameter 700mm (27.5")
 - 76mm (3") air shaft
 - Programmable end of roll
 - Merobel electronic brake
 - Taper tension control
 - Splice table with pneumatic interlocked web clamps
 - 3 spindle turret rewind 350mm (13.75") maximum rewind diameter
 - Taper tension control
 - 3 - 76mm (3") air mandrels (or 3 of customer choice)
 - Adjustable core positioning stop
 - Automatic roll eject system complete with roll collection chute
 - Maximum web speeds
 - Offline mode up to 220 metres/minute (721 ft/min)
 - Inline mode up to 150 metres/minute (492 ft/min)
 - 25-38mm (1" - 1.5") mandrels 100 m/minute (328 ft/min)
 - Fastest cycle time: 20 seconds / 3 cycles per minute
 - Count units Labels / Metres / Feet
 - Hot melt core gluing system - 5 glue transfer wheels
 - The glue bath does not need to be removed from the machine to add or remove glue transfer wheels.
 - Rotary scissor slitting
 - 3 slitting knives
 - Knife separation
 - Allows for easy setting of the knife and anvil with the web in place. Does not require costly off machine setting tools.
- Minimum slit width: 13mm (0.51")
Lateral knife adjustment: +/- 5mm (0.196")
- Colour touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options

- Maximum web speeds up to 150 metres/minute (492 ft/min)
 - 25-38mm (1" - 1.5") mandrels 100 m/minute (328 ft/min)
- Fastest cycle time: 20 seconds / 3 cycles per minute
- Count units Labels / Metres / Feet
- Hot melt core gluing system 5 glue transfer wheels
 - The glue bath does not need to be removed from the machine to add or remove glue transfer wheels.
- Colour touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options
 - Tension settings
 - Allows for easy and quick jobs set ups
- 6 Web dividers

Optional Equipment

- Hot melt tail gluing device
- Inter-label cutting
- Rotary slitting: Lateral adjustment & knife separation (access to blades & anvils without web removal)
- Full range of air mandrels from 25 - 76mm (1" - 3")
- Additional glue transfer wheels

Tension settings

Allows for easy and quick jobs set ups

- Automatic electronic web guide
 - Ultrasonic sensor enables guiding of opaque and clear materials
 - Adjustable web guide sensor
- 6 Web dividers

Optional Equipment

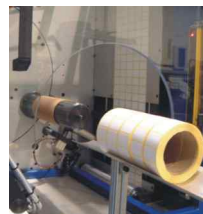
- Hot melt tail gluing device
- Air assisted turn bar
- Inter-label cutting
- Full range of air mandrels from 25 - 76mm (1" - 3")
- Web dividers
- Additional rotary slitting knives
- Additional glue transfer wheels

Converting module

- Single rotary die cutter with matrix stripping tower: 10-24" repeats (with integral drive motor system)
- Additional rotary die station (no matrix rewind)
- 2 die base (only fitted with a single die station)
- RotoMetrics RD scorer - 2 knife holders (for edge trimming & winding with matrix)
- RotoMetrics Hydra Jack die pressure gauges
- Matrix stripping bar (for use with a difficult to strip matrix)



Converting module



Auto roll eject



Core and tail gluing

Daco PLD

Rotary Die Cutter/Turret Rewinder



The Daco PLD 250 offers all the benefits of turret rewinding but with very quick make ready times unlike conventional turret rewinding. This allows shorter runs to be produced both quickly and more efficiently.

The machine is available as a rewinder, or with the

addition of a rotary die station it is a cost effective solution to blank / plain label converting with a production speed of 150m/minute. The PLD is available with either one or two rotary die stations.

Standard Specification

- Web width: 250mm (10")
- Maximum unwind diameter: 700mm (27.5")
 - 76mm (3") air mandrel
 - Merobel electronic brake
 - Taper tension control - No roll-followers or external sensors to be adjusted or maintained
- Electronic web guide with an ultrasonic sensor and integral splice table with pneumatic web clamps
- 1 Rotary die station with matrix rewind
 - Cutter repeat lengths: 153-406mm (6" - 16") repeat
 - Fixed RotoMetrics through hardened anvil - 84T - 10.5" repeat
 - Gearing 1/8cp 20 degree pressure angle
 - Precision ground 16mm (0.62") thick die plates
 - A driven matrix stripping roller with adjustable tension control ensures reliable matrix stripping, enabling high speed running even if the matrix rewind becomes unstable
 - 76mm (3") mechanical mandrel for matrix rewind
 - Maximum matrix rewind diameter: 400mm (15.75")
- Maximum web Speed: 150 metres / minute (492 feet / minute) dependent on material
- Count units: Labels / Metres with programmable slow down and stop
- Rotary scissor slitting unit
 - 3 slitting knives
 - Removable interlocked cutter guard

- Minimum slit width: 13mm (0.51")
- Lateral knife adjustment: +/- 8mm (0.31")
- Razor slitting unit: Complete with 3 slitting knives
 - Minimum slit width: 10mm (0.39")
 - Lateral knife adjustment: +/- 8mm (0.31")
- 3 Spindle semi automatic turret rewind with 76mm (3") air mandrels
 - Maximum rewind diameter: 250mm (10")
 - Taper tension control
 - Electronic rewind clutch
 - Automatic roll eject
 - Adjustable core positioning stop
- Colour touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options
 - Tension settings
 - Allows for easy and quick jobs set ups

Optional Equipment

- Removable anvil
- Lateral knife separation for rotary slitting
- Matrix stripping bar (for use with difficult to strip matrix)
- DBS250 Back scorer - 2 knife holders (for edge trimming & winding with matrix)
- RotoMetrics Hydra Jack - die pressure gauges
- Full range of air mandrels from 25mm 76mm (1" - 3")
- Upgrade to run 19mm (0.75") air mandrels
- Additional rotary slitting knives
- Additional razor slitting knife holders

Daco TD

Plain Label Turret Rewinder / Die Cutter



The Daco TD turret rewinder is the ideal machine for producing plain labels automatically with little operator input. The machine is equipped with a high capacity 1m (40") unwind to keep master roll changes to a minimum. The 3 spindle turret offers quick change over times, which coupled with a touch screen HMI operator interface makes the machine both interactive and user friendly. The machine can be configured with either one or two rotary die stations.

There is a host of optional equipment which enables you to specify a very adaptable converting line.

Standard Specification

- Web widths 330mm (13") or 410mm (16")

Unwind module

- Maximum unwind diameter: 1000mm (40")
 - 76mm (3") diameter air shaft
 - Safety chuck
 - Automatic roll lift
 - Merobel electronic brake
 - Taper tension control
 - Programmable end of roll function

The user is able to program the roll end diameter slowdown and/or stop - The system does not use any roll followers or external sensors that can be damaged at roll changes. The diameter is programmed from the touch screen operator

interface.

- Automatic electronic web guide
 - Ultrasonic sensor enables guiding of opaque and clear materials
 - Adjustable web guide sensor

Converting module

- Single rotary die station
 - Removable anvil
 - 10-24" die repeats
 - Gearing: 1/8cp 20 degree pressure angle
 - Lateral die adjustment
 - Matrix stripping tower
 - 76mm (3") mechanical mandrel for matrix removal
- Rotary scissor slitting
 - 3 slitting knives

Knife separation

Allows for easy setting of the knife and anvil with the web in place. Does not require costly off machine setting tools.

Minimum slit width: 13mm (0.51")

Lateral knife adjustment: +/- 5mm (0.196")

In-line turret module

- Maximum rewind diameter: 350mm (13.75")
- Taper tension control for the rewind
- Hot melt core gluing system: 5 glue transfer wheels
 - The glue bath does not need to be removed from the machine to add or remove glue transfer wheels.
- Hot melt tail glueing
- Air Mandrels: 3 off at 76mm - (3")
- Automatic roll eject system
- Adjustable core positioning stop
- Colour touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options
 - Tension settings
 - Allows for easy and quick jobs set ups
- Maximum web speed: 150 metres/minute (492 ft/min) (die cutting speed is dependent on label size & the ability to strip the label)
- Speed 25-38mm (1" - 1.5") mandrels 100 m/minute (328 ft/min)
- Fastest Cycle time: 20 seconds / 3 cycles per minute
- Count Units: Labels / Metres / Feet

Optional Equipment

- Closed loop tension control
- In-line turret module
 - Inter-label cutting
 - Full range of air mandrels from 25 - 76mm (1" - 3")
 - Additional glue transfer wheels
- Converting module
 - RotoMetrics RD scorer - 2 knife holders (for edge trimming & winding with matrix)
 - RotoMetrics Hydra Jack die pressure gauges
 - Matrix stripping bar (for use with a difficult to strip matrix)
 - 2 die base (only fitted with a single die station)
 - Additional rotary die station (no matrix rewind)
 - Air assisted turn bar with additional web guide

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