

Daco SI

The Daco SI Inspection / Slitter rewinder offers both flexibility and high performance. Its unique design includes a quick make ready rotary scissor slitting box and a HMI operator interface for quick and easy job set-up.

Both rewind and unwind tensions are fully and independently adjustable. The unwind also has a programmable end of roll function via the HMI, which allows the operator to select the end of roll diameter.

An electronic web guide ensures that the finished rolls are perfectly wound and an inspection table with adjustable splicing facility (with pneumatic clamps) is fitted as standard, enabling splices to be made both neatly and easily.

Pneumatic airshafts for both the unwind and rewind means that changing rolls could not be simpler, and a web advance system makes it easy to attach the web to the core when starting a new roll.

Standard Specification:

- Web width: 13" or 16"
- Maximum unwind diameter: 30" 3" diameter air shaft
- 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.

- #1 57.4" Inspection area with adjustable splicing facility and pneumatic interlocked web clamps



Inspection / Slitter Rewinder

- #2 27.5" Inspection area prior to web guiding and slitting with adjustable splicing facility and pneumatic interlocked web clamps
- Automatic electronic web guide
Ultrasonic sensor – enables guiding of opaque and clear materials
- Adjustable web guide sensor
- Rotary shear 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: 0.62"
Lateral knife adjustment: +/- 0.196"
- 1 Product rewind
Max rewind diameter: 18"
3" diameter with quick change air shaft
Taper tension control
Merobel electronic clutch
Labels in / labels out rewinding
Programmable web advance system
The web advance delay time is programmable from the touch screen

The mandrels are quick change

The mandrel size is selected on the touch screen and is electronically compensated for, so there are no gears to change.

- Maximum speed: 984 feet/minute - dependent on material specification and condition
- Count units – labels / feet / metres with programmable slowdown and stop
- Touch screen HMI operator interface for quick and easy job setup
- Air operated silicone nip roller with independent regulator and gauge
- Quick check

Optional Equipment:

- Twin product rewinds
- Waste rewind on second splice table
- 100% web inspection
- Strobe light
- Air mandrels from 1" to 3"
- Missing label detection 6 or 12 lane
- Flag detector
- Splice detector
- Clear to clear label counting



30" unwind



Adjustable splice table

Daco HSI

The Daco HSI has been developed to serve as a finishing machine for the growing number of label presses which are now available in 16" and 20" web width.

The HSI offers the same user friendly features as the SI model, with touch screen interface, taper tension control, quick set rotary shear slitting unit, and web advance system all fitted as standard equipment.

The unwind unit incorporates a built in pneumatic roll lifting system, which lifts the master roll of up to 40" diameter, without the need of any additional roll lifting equipment. An electronic web guide, and adjustable splicing table with pneumatic web clamps, ensures perfect roll quality every time.



Slitter / Inspection Rewinder

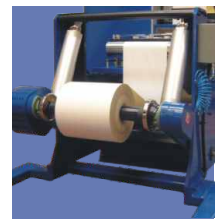
Standard Specification

- Web width: 16" or 20"
- Maximum unwind diameter: 40" with roll lift and taper tension control
- Maximum rewind diameter: 18" with taper tension
- Maximum speed: 984 ft per minute
- Counting units labels / metres with programmable slowdown and stop
- Rotary shear slitting device: Complete with 3 slitting knives, knife separation and cross adjustment.
- Minimum slit width: 0.62"
- Lateral knife adjustment: +/- 0.196"

- Magnetic particle clutch and brake
- Electronic web guide with ultrasonic sensor
- Air mandrels: 3" for both unwind & rewind
- Touch screen HMI operator interface for quick and easy job setup
- Programmable automatic web advance system
- Programmable end of roll function
- Adjustable splicing facility and pneumatic web clamps
- Air operated silicone nip roller with independent regulator and gauge
- Labels in / labels out rewinding

Optional Equipment

- Twin product rewinds with independent tension control
- Missing label detection 6 or 12 lane
- Strobe light
- 100% web inspection
- Additional slitting knives



40" Unwind with roll lift

Daco DT250

Daco Solutions prides itself in providing practical and reliable machines, which are easy to use.

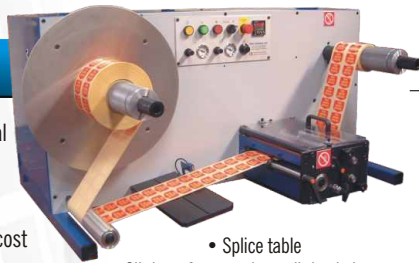
The Daco DT 250 Table Top Slitter rewinder was introduced to the product range, because customers were asking on a regular basis for a cost effective, simple to use slitter rewinder.

Daco firmly believes the DT 250 fulfils this role, offering both high performance and reliability, with all the features you need.

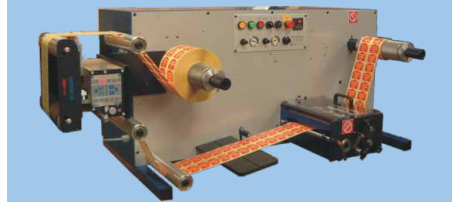
Standard equipment includes, quick make ready rotary scissor slitting box, splice table, label / length counter, and both unwind / rewind tensions are fully and independently adjustable.

Standard Specification:

- Maximum web width 10"
- Maximum unwind diameter 17¾"
- Maximum rewind diameter 14"
- Mandrels - 3" mechanical mandrels for both unwind and rewind
- Unwind - pneumatic unwind brake with independent regulator and gauge



- Splice table
- Slitting - 3 rotary shear slitting knives
- Rewind - pneumatic rewind clutch with independent regulator and gauge
- Count units - labels and metres
- Maximum web speed 574 ft/minute
- Minimum slit width 0.62"



DT250 with electronic web guide

Table Top Slitter Rewinder

- Lateral knife adjustment +/- 0.31"

Optional Equipment:

- Electronic web guide with an ultrasonic sensor
- Twin product rewinds
- Unwind backing disc
- Air mandrel upgrade
- Full range of air mandrels from 1" to 3"
- Mechanical rewind mandrels 1½"-4"
- Labels in / labels out rewinding
- Razor slitting: minimum slit width 0.39"
- Lateral knife separation
- Web separators



Twin rewinds (air shafts)



Razor slitting

Daco 3

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 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.

Inline only version also available.

Standard Specification:

- Web width 13" or 16"
- Maximum unwind diameter 27½"
- Maximum rewind roll diameter 13¾"



- Automatic roll eject system with roll collection chute
- Adjustable core positioning stop
- Adjustable splicing table with pneumatic web clamps
- Vertical inspection table

Optional Equipment:

- Hotmelt tail gluing device

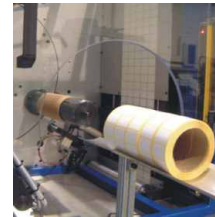
Combi Turret Rewinder

- Taper tension control for unwind and rewind
- Maximum web speed - Offline mode up to 721ft - Inline mode up to 492ft/minute
- Count units - labels/metres/feet
- Hotmelt core gluing system, complete with 5 glue transfer wheels
- Rotary shear slitting unit with knife separation
- Electronic web guide with an ultrasonic sensor

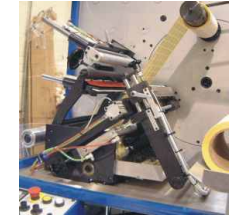
- Inter-label cutting
- Full range of air mandrels from 1" to 3"
- Additional glue transfer wheels
- Air assisted turn bar
- Strobe light
- Rotary die cutting module (1 or 2 die stations)



Converting module



Auto roll eject



Core and tail gluing

Die Cutting

Daco DTD250

After consulting clients, Daco Solutions identified a need for a table top rotary die cutter. Clients indicated that they were either producing on old label presses which did not have sufficient speed or they were producing on new multi colour presses. Neither situation is ideal, as the cost of the label is very high, due to machine speeds or the high cost of using a multi colour press.

Daco Solutions have built the Daco DTD, a high-speed bench top machine capable of 492 feet a minute, which is available with one or two die stations. We firmly believe that the machine is more efficient than producing blanks on an old label press and definitely more cost effective than using a higher speed multi colour press.

Standard Specification

- Web width: 10"
- 1 Rotary die station with matrix rewind
- Cutter repeat lengths: 6" - 16" Repeat
- 3" mechanical mandrel: For matrix rewind



- Maximum waste rewind diameter: 15.75"
- Maximum web speed: 492ft/minute (dependent on stock)
- Count units: Labels / Metres
- Rotary shear slitting unit: Complete with 3 slitting knives
- Minimum slit width 0.62"
- Lateral knife adjustment +/- 0.31"
- Pneumatic rewind clutch with independent regulator and gauge
- Pneumatic unwind brake with independent regulator and gauge

Optional Equipment:

- Labels in / labels out rewinding
- Lateral knife separation
- Additional rotary die station for perforating (does not include stripping and matrix rewind)
- Matrix stripping bar

Table Top Rotary Diecutter

- Electronic web guide with an ultrasonic sensor
- Twin product rewinds
- Upgrade to air mandrel for rewind
- Full range of air mandrels from 1" to 3"
- Mechanical rewind mandrels 1½"-4"
- Die adaptors: KDO, Mark Andy, Edale, Allied Gear & Focus, others available subject to specification
- Razor slitting: minimum slit width 0.39"
- Rotometrics RD Scorer (enables edge trim to be wound with the matrix)



Twin product rewinds



Twin rotary die stations

Daco D250

The Daco D was developed following the success of the award winning Daco DTD250 and is aimed at clients that have medium to long runs. The machine has a 27.5" diameter unwind with taper tension control reducing the need for frequent roll changes and operator input. The machine is available with either one or two rotary die stations and single or twin product rewinds.

The machines compact size and short web path keeps wastage to a minimum, the silicon covered nip drive roller helps to keep down time to a minimum as labels cannot attach themselves to the roller. The Daco D has independent control of both the unwind and rewind tensions. Rotary slitting with on the run lateral adjustment is fitted as standard and a splice table makes web splices both simple and quick.

The machine is the ideal solution to clients wishing to



Rotary Die Cutter

produce plain labels for the growing thermal transfer market.

Standard Specification

- Web width: 10" or 13"
- Maximum unwind diameter: 27.5" with taper tension control
- Electromagnetic particle unwind brake
- Splicing table with mechanical web clamps
- 1 Rotary die station with matrix rewind with cutter repeat lengths: 6" - 16"
- 3" mechanical mandrel for the matrix rewind
- Maximum matrix rewind diameter: 15.75"
- Maximum product rewind diameter: 14"
- Pneumatic rewind clutch with independent regulator and gauge
- Labels in / labels out rewinding
- 3" air mandrel for the unwind and rewind
- Maximum web speed: 492 feet/minute dependent on stock
- Count units: Labels / Metres with programmable slow down and stop

- Rotary shear slitting unit. Complete with 3 slitting knives
- Minimum slit width 0.62"
- Lateral knife adjustment +/- 0.31"
- Adjustable spring loaded silicon nip
- Gearing: 1/8cp 20 degree pressure angle

Optional Equipment

- Removable anvil
- Additional rotary die station for perforating (does not include stripping and matrix rewind)
- Matrix stripping bar (for use with difficult to strip matrix)
- Electronic web guide with an ultrasonic sensor
- Rotometrics RD scorer - 2 knife holders (for edge trimming and winding with waste)
- Electromagnetic particle rewind clutch
- Lateral knife separation for rotary slitting
- Razor slitting with lateral knife adjustment
- Web separator roller with 5 web separators
- Twin product rewinds
- Full range of air mandrels from 1" to 3"
- Pneumatic web clamps for splice table
- Die adaptors: KDO, Mark Andy, Edale, Allied Gear & Focus others available subject to specification

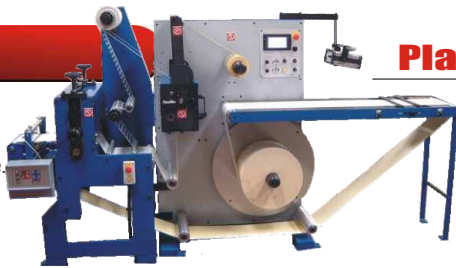
Daco DSI

The Daco DSI rotary die cutter is a high speed plain label converter offers both flexibility and ease of use. Its design includes a quick make ready rotary scissor slitting box and touch screen HMI operator interface for quick and easy job setups.

Both the rewind and unwind tensions are fully and independently adjustable and has taper tension control as standard. The unwind also has a programmable end of roll function, which allows the operator to select an end of roll diameter.

The Daco DSI is equipped with a single rotary die cutting station with removable anvil and an optional second rotary die cutting station can be fitted to allow perforating and sprocket punching.

An E & L electronic web guide ensures that the finished rolls are perfectly wound, and an inspection table with adjustable splicing table (with pneumatic web clamps) is also fitted as standard, enabling splices to be made both neatly and easily.



Plain Label Converter

Airshafts for both the unwind and rewind means that changing the rolls could not be simpler, and a programmable web advance system makes it

easy to attach the web to the core when starting a new roll.

Standard Specification (same as Daco SI):

- Matrix stripping tower with adjustable tension on both matrix rewind mandrel and matrix stripping roller
- A driven matrix stripping roller with adjustable tension control ensures reliable matrix stripping, enabling high speed running even when the matrix rewind becomes unstable
- 3" Mechanical mandrel for matrix rewind with pneumatic clutch
- Cross adjustment mechanism for top die cylinder
- Can accommodate tooling repeats 10" - 24"
- Removable cutter guard for easy access and quick webbing up

Optional Equipment:

- Rotometrics RD scorer - 2 knife holders (for edge trimming and winding with waste)
- Matrix stripping bar (for use with difficult to strip matrix)
- Hydraulic die jacks with pressure gauge for accurate setting of cutter pressure
- Additional rotary die station for perforating (does not include stripping and matrix rewind)
- Die adaptors to utilise existing tooling



Waste stripping



Lateral die adjustment

Daco Solutions have a total solution to your plain label production. For the small production runs, we have the tabletop Daco DTD250 and the Daco D250 / 330 for the medium to long runs. For the longer run and high volume we have the Daco DSI 330 / 410 and with non-stop full automation we have the Daco TD - a Daco turret rewinder with a 40" unwind, either one or two rotary die stations, core and tail gluing with automatic roll ejection.

Daco DCR

The Daco DCR die cut to register machine allows pre-printed material to be die cut in register. The DCR offers both flexibility and high performance. Its design includes a quick make ready rotary scissor slitting box and touch screen HMI operator interface for quick and easy job setups.

The Daco DCR is equipped with a single rotary die station using the latest in servo drive technology enabling a cutting accuracy of 0.010" at a constant running speed.

Airshafts for both the unwind and rewind means that changing the rolls could not be simpler, and a programmable web advance system makes it easy to attach the web to the core when starting a new roll.

Standard Specification

- Web width: 13" or 16"
- Maximum unwind diameter: 30"
 - Electromagnetic particle brake with taper tension control
 - Programmable end of roll function
- E&L electronic web guide with an ultrasonic sensor
- Single rotary die cutter with removable anvil and matrix stripping tower: 10-24" repeats



- Die cut to register servo drive system with a +/- 0.010" accuracy at a constant speed.
- 3" mechanical mandrel for matrix removal with pneumatic clutch
- Gearing: 1/8cp 20 degree pressure angle
- Maximum rewind diameter: 18"
 - Electromagnetic particle clutch with taper tension control
 - Programmable automatic web advance system
 - Labels in / labels out rewinding
- Maximum speed: 328ft minute
- Counting units labels / feet / metres with programmable slowdown and stop
- Rotary scissor slitting device: Complete with 3 slitting knives, knife separation and cross adjustment.
 - Minimum slit width: 0.62"
 - Lateral knife adjustment: +/- 0.196"
- Touch screen HMI operator interface for quick and easy job setup
- 27.5" Inspection table with adjustable splicing facility and

Die cut to register

- pneumatic web clamps
- Air operated silicone nip roller with independent regulator and gauge
- Quick check
- Electrics: 415 Volts 3 phase Neutral & Earth, 16 amps

Optional Equipment

- Matrix stripping bar (for use with a difficult to strip matrix)
- Rotometrics RD scorer (enables edge trim to be wound with the matrix)
- Strobe light
- Full range of air mandrels from 1" to 3"
- Hydraulic die jacks with pressure gauge for accurate setting of cutting pressure
- 57.4" Inspection table with adjustable splicing facility and pneumatic web clamps
- Laminating with or without a carrier
- Missing label detection
- 40" unwind with roll lift
- Modular 30" unwind



Laminating

Daco Solutions -

Daco Solutions has become one of the fastest growing suppliers of slitter rewinders, turret rewinders and rotary die cutting equipment to the global narrow web label printing and converting industry. Our equipment is installed in small and large companies around the world with some of the best names in the business.

We pride ourselves on our very diverse standard product line and as well our ability to customize our products to our customers unique specifications. In doing this we are able to deliver extremely well built, durable, cost effective solutions to a demanding and ever increasingly competitive marketplace.

Why Use Daco Solutions Ltd ?

With many years experience in the manufacture and sales of rewinding and rotary die cutting equipment, Daco Solutions Ltd skilled team of friendly personnel can provide a fast response and technical expertise, while our World-wide network provides competent advice in order to achieve the best, most cost effective solution to your needs.

- All machinery is CE-Marked and issued with Test Certification and Declaration of Conformity.
- Full installation, training, servicing and maintenance back-up.
- 90% of all components are manufactured in house enabling us to keep control of quality.
- All electronic components are industry standard items and can be purchased locally.
- Component parts for most models are kept in stock for immediate shipment.
- Some models ex-stock for immediate shipment.
- Numerous options are available for all of our models enabling you to configure a machine to suit your particular requirements.
- Equipment can be custom-built to suit your particular application.

Product Range

Daco Solutions Ltd product range includes cost effective entry level machinery to high speed high volume equipment. Our range of equipment is designed in modules so that the machinery purchased can be upgraded at a later date. This enables clients to keep pace with any future developments within the industry or to add additional features to their existing machine.

Technical Services

Daco Solutions Ltd products are designed to provide a long trouble free working life. However, in the unlikely event that a fault should occur. Daco Solutions personnel are always on hand to offer assistance. All our service personnel are highly qualified with many years experience of working with our products.

Our Technical Services Include:-

- A team of highly professional, fully equipped Daco Solutions Ltd trained service engineers providing prompt response, identifying faults and acting without delay in rectifying any problems.
- Our in-house technicians can often diagnose the causes of faults without a site visit being required, thus preventing downtime. Common component parts for most models are kept in stock and are available for immediate shipment.
- Technical data covering all models and all individual projects is held in our offices to enable this information to be drawn upon when required.

DACO
www.daco-solutions.com

Daco Solutions North America
PO Box 569
Granby, CT 06035
USA

Tel: (860) 844 1277
E-mail: usa@daco-solutions.com

Worldwide headquarters & manufacturing

Daco Solutions Ltd 

Unit 2, Oldbeck Road, Beverley, East Yorkshire, HU17 0JW, England
TEL: +44 (0) 1482 860288 FAX: +44 (0) 1482 880942

E-mail: sales@daco-solutions.com
www.daco-solutions.com

The Products are under continuous development and The Manufacturer reserves the right to make changes at any time, without notice, to colour, materials, specifications and models.