### Daco DTD250

The Daco DTD 250 rotary die cutter is a cost effective, robust and easy to use machine for blank/plain label converting for the short to medium production runs. The DTD is available with either one or two rotary die cutting stations, rotary slitting and independent tension control for the unwind/rewind and has a production speed of 130m/minute. Many DTD250 rotary die cutters have been installed at clients who use them to produce plain labels for the growing thermal label transfer market.

The DTD's compact size and short web path keeps wastage to a minimum, the fully adjustable silicone covered nip drive roller helps to keep down time to a minimum as labels cannot attach themselves to the roller. The DTD250 has accurate tension control through the use of a pneumatic unwind brake which is infinitely variable and the rewind is controlled through a pneumatically operated variable rewind clutch.

**Standard Specification**

- Web Width: 250mm (10")
- Maximum unwind diameter: 700mm (27.5")
- Pneumatic unwind brake with independent regulator & gauge
- 76mm (3") air mandrel
- Splicing table with web clamps
- 1 Rotary die station with matrix rewind

### Daco D250

The Daco D250 was developed following the success of the Daco DTD 250 and is aimed at clients who have medium to long run production requirements. The machine has a 700mm (27.5") diameter unwind with taper tension control reducing the need for frequent roll changes and operation. 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 silicone covered nip drive roller helps to keep down time to a minimum as labels cannot attach themselves to the roller. The Daco D250 has independent control of both the unwind and rewind motions. Rotary slitting with on the run lateral adjustment is fitted as standard and a splice table makes web splices both simple and quick.

**Standard Specification**

- Web Width: 250mm (10")
- Maximum unwind diameter: 700mm (27.5")
- 76mm (3") air mandrel
- Membran electronic brake
- Taper tension control
- Splicing table with pneumatic web clamps

### Daco D350

The Daco D350 blank/plain label converter is aimed at the medium to long run production runs and utilities either a single or dual rotary die cutting station. The large 700mm (27.5") unwind with taper tension control and electronic brake keeps roll changes to a minimum.

The Daco DB350 compact size and short web path keeps wastage to a minimum, the fully adjustable silicone covered nip drive roller helps to keep down time to a minimum as labels cannot attach themselves to the roller. The D350 has accurate tension control through the use of an electronic unwind brake with taper tension control and the rewind is controlled through an electronic clutch. Quick set rotary slitting with on the run lateral adjustment is fitted as standard, the slitting knives can be set with the web in position unlike some cartridge systems. A splice table makes web splices both simple and quick. Quick change air mandrels for the product rewind ensuring that cores are gripped firmly and a production speed of 175m/minute (573 feet/minute) is possible.

**Standard Features**

- Web widths: 350mm (13.75")
- Unwind: 700mm(27.5")
- 76mm (3") air mandrel
- Membrane electronic/magnetic brake
- Taper tension control
- No roll-followers or external sensors to be adjusted or maintained
- Splice table - Makes web splicing easier and quicker
- Pneumatic web clamps
- Die Station

### Rotary Die Cutter

#### DTD250

- 1 Rotary die station with matrix rewind
- Cutters repeat lengths: 153-406mm (6" - 16") repeat
- 76mm (3") mechanical mandrel for matrix rewind
- Maximum matrix rewind diameter: 609mm (24"")
- Gearing: 1.89:20 degree pressure angle
- Precision ground 16mm (0.625") thick die plates.
- 1 Product rewind
- Maximum rewind diameter: 360mm (14")

**Optional Equipment**

- Labels in/out rewinding
- Maximum web speed: 175 metres/minute (573 feet/minute) dependent on stock
- Count units: Labels / Metres with programmable slow down and stop
- Rotary scissor slitting with adjustable tension control
- Removable interlocked cutter guard
- Lateral knife adjustment: +/- 8mm (0.31")
- Adjustable spring loaded silicone nip

#### DTD250 Back scorer

- DBS250 Back scorer - 2 knife holders (edge trimming and winding with waste)
- RotoMetrics Hydra Jack- die pressure gauges
- Die adaptors: KDO (K2), Mark Andy, Edale, Allied Gear & Focus
- Others available subject to specification

#### DBS250 Back scorer

- DBS250 Back scorer - 2 knife holders (edge trimming and winding with waste)
- RotoMetrics Hydra Jack- die pressure gauges
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**Optional Equipment**

- E-package - 45-71mm (1.8") rewind with taper tension control, feet counting, batch counting, total count, touch screen control
- Removable airlift with support roller - enables back cutting and sprocket punching
- Additional rotary die station for perforating (does not include stripping and matrix rewind)
- Sheeting station
- Matrix stripping bar (for use with direct to strip matrix)
- Electronic web guide with an ultrasonic sensor and integrated splice table with pneumatic web clamps (removes standard splicing table)
- DBS250 Back scorer - 2 knife holders (edge trimming and winding with waste)
- RotoMetrics Hydra Jack - die pressure gauges
- Dual product rewinds
- Lateral knife separation for rotary slitting
- Razor slitting: minimum slit width 10mm (0.39") and lateral adjustment
- Web separator roller with 5 web separators
- Full range of air mandrels from 25mm (1") to 76mm (3")
- Die adaptors: KDO (K2), Mark Andy, Edale, Allied Gear & Focus
- Others available subject to specification
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.

The Daco DS1 rotary die cutter is a high speed plain label converter offering 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 DS1 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.

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

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 widths 350mm (13.75”) or 430mm (17”)
- Maximum unwind diameter: 350mm (13.75”) or 430mm (17”)
- 76mm (3”) diameter air shaft
- Motorised electronic brake
- Taper tension control
- Programmable end of roll function

The user is able to program the 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.

**Electronic web guide**

Ultrasonic sensor enabling guiding of opaque and clear materials

**Adjustable web guide sensor**

**Converting module**

- Single rotary die station
- Removable anvil 10-24” die repeats
- Gearing: 1:20 pressure angle
- Lateral die adjustment
- Matrix stripping tower
- 76mm (3”) mechanical mandrel for matrix removal

**Rotary scissor slitting**

Knife separation

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

**76mm (3”) diameter**

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

**1 Product rewind**

Max rewind diameter: 457mm (18”)

76mm (3”) diameter

Taper tension control

Plain Label Converting

**In-line servo driven turret module**

- Maximum rewind diameter: 350mm (13.75”)
- Taper tension control for the rewind
- Hot melt core gluing system: 10 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 gluing device
- Air Mandrels: 4 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

- Count Units: Labels / Metres / Feet

**Optional Equipment**

- Closed loop tension control for the unwind
- Inter-turret module
- Full range of air mandrels from 25 - 76mm (1” - 3”)
- Additional glue transfer wheels

**Converting module**

- ODB Back scorer - 2 knife holders (for edge trimming & winding with matrix)
- Removable anvil with support roller
- RotaMetrics Hyd. lack of die pressure gauges

**Matrix stripping bar**

(For use with difficult to strip matrix)

**Die adaptors**

To utilise existing rotary dies - Edale Beta, Nilpeter, Gallus & Mark Andy (others available upon request)

**Additional rotary slitting knives**

Daco DSI350/430

**Daco TD 350**

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 material roll changes to a minimum. The 4 spindle turret offers quick change over times, which when 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: 350mm (13.75”) or 430mm (17”)
- Maximum unwind diameter: 762mm (30”)
- 76mm (3”) diameter air shaft
- Motorised electronic brake
- Taper tension control
- Programmable end of roll function

The Daco TD turret rewinder is the ideal machine for producing plain labels automatically with little operator input. 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 TD 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.

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

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 widths: 350mm (13.75”) or 430mm (17”)
- Maximum unwind diameter: 762mm (30”)
- 76mm (3”) diameter air shaft
- Motorised electronic brake
- Taper tension control
- Programmable end of roll function

The user is able to program the 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.

**Electronic web guide**

Ultrasonic sensor enabling guiding of opaque and clear materials

**Adjustable web guide sensor**

**Converting module**

- Single rotary die station
- Removable anvil 10-24” die repeats
- Gearing: 1:20 pressure angle
- Lateral die adjustment
- Matrix stripping tower
- 76mm (3”) mechanical mandrel for matrix removal

**Rotary scissor slitting**

Knife separation

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

**76mm (3”) diameter**

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

**1 Product rewind**

Max rewind diameter: 457mm (18”)

76mm (3”) diameter

Taper tension control

Plain Label Turret Rewinder/Die Cutter

**In-line servo driven turret module**

- Maximum rewind diameter: 350mm (13.75”)
- Taper tension control for the rewind
- Hot melt core gluing system: 10 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 gluing device
- Air Mandrels: 4 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

- Count Units: Labels / Metres / Feet

**Optional Equipment**

- Closed loop tension control for the unwind
- Inter-turret module
- Full range of air mandrels from 25 - 76mm (1” - 3”)
- Additional glue transfer wheels

**Converting module**

- ODB Back scorer - 2 knife holders (for edge trimming & winding with matrix)
- Removable anvil with support roller
- RotaMetrics Hyd. lack of die pressure gauges

**Matrix stripping bar**

(For use with difficult to strip matrix)

**Die adaptors**

To utilise existing rotary dies - Edale Beta, Nilpeter, Gallus & Mark Andy (others available upon request)

**Additional rotary slitting knives**

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