

The Daco 'D250/350/430' has been developed following the success of the Daco DTD250 and is aimed at clients that have medium to long runs. The machine has a 700mm (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 dual product rewinds.

The machines compact size and short web path keeps waste 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 'D250/350/430' has independent control of both the unwind and rewind tensions using an electronic brake and servo driven rewind. Rotary slitting with on the run lateral adjustment is fitted as standard along with colour touch screen control with job storage and a splice table with web clamps makes splices both simple and quick.



A driven matrix stripping roller with adjustable tension control ensures reliable matrix stripping, enabling high speed running even when the matrix rewind becomes unstable.

The machine can also be purchased with servo driven die stations for diecut to register applications.

The machine is the ideal solution to clients wishing to produce plain labels for the growing thermal transfer market.



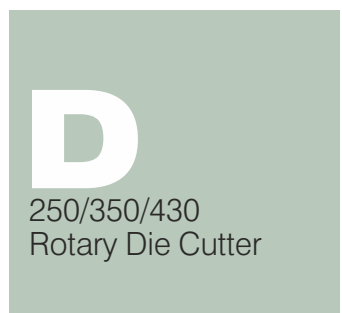
Shown with modular UL unwind and auto cut and apply web advance.



RotoMetrics Hydra Jack die pressure gauges



Matrix Stripping



250/350/430
Rotary Die Cutter

D Standard Specification

Standard Specification

- Web width: 250mm (10"), 350mm (13.75") or 430mm (17")
- 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
- BST electronic web guide
 - Ultrasonic sensor - enables guiding of opaque and clear materials
 - Adjustable web guide sensor +/- 25mm (1") correction
 - Integral splice table with pneumatic web clamps
 - Tape dispenser for the splice table
- Die Station
 - 250mm (10") machine
 - Cutter repeat lengths 6"-16" 48T - 128T.
 - Fixed RotoMetrics through hardened anvil - 105T - 13.125" repeat.
 - 16mm (0.62") thick precision ground die plates.
 - 350mm (13.75") machine
 - Cutter repeat lengths: 8-18" 64T - 144T.
 - Fixed RotoMetrics through hardened anvil - 105T - 13.125" repeat.
 - 20mm (0.78") thick precision ground die plates.



Daco D250

430mm (17") machine

- Cutter repeat lengths: 10-24" 80T to 192T
- Removable RotoMetrics through hardened anvil - 136T - 17" repeat with 80T - 10" support roller.
- Precision ground 20mm (0.78") thick die plates.

Gearing - 1/8 cp, 20 degree pressure angle.

A driven matrix stripping roller with adjustable tension control ensures reliable matrix stripping, enabling high speed running even if the matrix rewind becomes unstable.

Matrix / Waste Rewind - 609mm (24") diameter.

76mm (3") mechanical mandrel for waste rewind.

• Draw Head

Silicone nip roller against a driven draw roller.

The silicone nip roller does not allow labels to attach themselves to it reducing down time.

Fully adjustable to allow for different label stocks.

The draw roller is driven by a 1.5Kw (2 hp) motor.

• Rotary scissor slitting unit

3 slitting knives

Minimum slit width: 13mm (0.51")

Lateral knife adjustment: +/- 8mm (0.31")

Knife separation

Removable interlocked cutter guard

Dual knife box configuration to allow for razor slitting to be also fitted.

• Quick release pneumatically operated nip roller

• Maximum product rewind diameter: 360mm (14")

76mm (3") air mandrel

Servo driven

Taper tension control

Labels in / labels out rewinding

• Maximum web speed: 175 metres / minute (575 feet / minute) dependent on stock

• Count Facility

Labels

Linear - metres & feet

Stop on diameter

Total count

Batch count

Auto calculation of slow down and stop irrelevant of web speed.

TLC - Total length count until reset by the operator.

• Colour touch screen HMI operator interface

Highlights machine status and error messages

Counting options

Tension settings

Job storage for easy and quick job set ups

• Run hour meter



Daco D250 - 2 die stations

Air requirements

80 psi, 1cfm

Electrics

220-240 volts, single phase, 50/60 Hz, 13 amp or to suit local requirements

Conformity

Conforms to CE regulations and all circuits use dual channel safety switches, which are continuously monitored using a certified safety relay.

D Optional equipment

- Modular UL 1m (40") unwind with roll lift and electronic web guide
- Auto cut and apply web advance system
- Removable anvil with support roller - enables back cutting and sprocket punching
- Additional rotary die station for perforating (does not include stripping and matrix rewind)
- Adjustable anvil system

- Upgrade die stations to servo drive for die cut to register applications - includes infeed nip roller, lateral die adjustment & modern connection
- Matrix stripping bar (for use with difficult to strip matrix)
- RotoMetrics Hydra Jack die pressure gauges
- DBS Back scorer - 2 knife holders (for edge trimming and winding with waste)
- Dual product rewinds

- Programmable web advance system
- Razor slitting: minimum slit width 10mm (0.39") and lateral adjustment
- Full range of air mandrels from 19mm (¾") to 76mm (3")
- Die adaptors available subject to die specification to use existing tooling

Manufactured by

Daco

SOLUTIONS LTD

Unit 2, Oldbeck Road
Beverley, East Yorkshire
HU17 0JW England

TEL: +44 (0) 1482 860288
E-mail: sales@daco-solutions.com
www.daco-solutions.com



www.daco-solutions.com/agents