



The Daco PLD-M offers all the benefits of conventional 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 PLD-M is a very efficient die cutter with a semi-automatic turret rewriter for fast and efficient roll production. Unlike traditional plain label die cutters, where the machine is stopped for a considerable time whilst operators cut and re-apply the web to the cores, the semi-automatic turret is only stopped for a few seconds whilst the turret indexes. New cores are applied to the rewind shaft whilst the machine is in production; the turret automatically cuts the web, applies the web to the cores and ejects finished rolls ready for packing.

When utilising the rotary die station(s) it is a cost effective solution to blank / plain label converting or with the die removed as a very productive slitter rewinder with a production speed of 175m/minute (575ft/minute).

The machine utilises a colour touch screen HMI interface which features job storage for quick and easy setups. The machine remembers all the tension settings, count settings and turret parameters enabling operators to change jobs within minutes.

Many clients are finding that the PLD-M machine is the ideal solution for the production of direct thermal and thermal transfer labels, retail promotional labels and weigh scale labels.

By using the latest in servo drive technology the Daco PLD-M is truly modular and a flexo print unit, digital print modules and semi-rotary die cutting can also be added later as production requirements change.



Matrix Stripping



3 spindle semi-automatic turret rewriter

# PLD-M

Modular  
Rotary  
Die Cutter

# PLD-M

Standard Specification

**SERVO**  
DRIVEN



- Web width: 250mm (10"), 350mm (13.75") & 430mm (16.92")
- U Modular Cantilevered Unwind Module
  - Maximum unwind diameter: 700mm (27.5")
  - 76mm (3") diameter air shaft
  - Electromagnetic particle brake
  - Taper tension control
    - End of roll function – The user is able to program the roll end diameter – slowdown and/or stop
- 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
- 250 model - 6" to 16" die repeats | 350 model - 8" to 18" die repeats | 430 model - 10" to 24" die repeats
- RotoMetrics through-hardened anvil - 105T - 13.125" repeat. (Removable and anvil & support roller for 430 model)
- Precision ground steel die plates – 250mm (10") model 16mm (0.62") thick / 350mm (13.75") model 20mm (0.78") thick.
- 76mm (3") mechanical mandrel: For matrix rewind
  - Maximum matrix rewind diameter: 700mm (27.5")
- 2nd Rotary die station - Servo Driven
- 250 model - 6" to 16" die repeats | 350 model - 8" to 18" die repeats | 430 model - 10" to 24" die repeats
- RotoMetrics through-hardened anvil - 105T - 13.125" repeat. (Removable and anvil & support roller for 430 model)
- Precision ground steel die plates – 250mm (10") model 16mm (0.62") thick / 350mm (13.75") model 20mm (0.78") thick.
- Fully adjustable silicone nip roller
- Maximum web Speed: 175 metres / minute (575 feet/minute) dependent on material
- Count Facility:-
  - Labels
  - Length - meters / inches
  - Batch count
  - TLC – Total length count until reset by the operator
  - Auto calculation of slowdown and stop irrelevant of web speed
- Rotary scissor slitting unit
  - 3 slitting knives
  - Lateral knife separation
  - Minimum slit width 13mm (0.51")
  - Lateral knife adjustment +/- 8mm (0.31")
  - Removable interlocked cutter guard
- Razor slitting unit
  - 3 slitting knives
- Minimum slit width: 10mm (0.39")
- Lateral knife adjustment: +/- 8mm (0.31")
- 3 spindle turret rewinder with 76mm (3") air mandrels
  - Maximum product rewind diameter: 340mm (13.38")
  - Taper tension control
  - Electronic rewind clutch
  - Automatic roll ejection
  - Adjustable core positioning stop
  - Mandrel end support
- Colour touch screen HMI operator interface
  - Highlights machine status & error messages
  - Counting options
  - Tension settings
  - Job storage for easy & quick job set ups
- Durable powder coated cabinet and main plate

#### Air requirements

80 psi, 1 cfm

#### Electrics

380-415 volts, 16 amps, 3 phase neutral and earth 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.

## PLD Optional equipment

- Auto set slitting
- RotoMetrics Hydra Jacks - die pressure gauges, quick release (per die station) - modified guarding & die blocks
- DBS-350 back scorer - 2 knife holders (for edge trimming & winding with waste)
- Removable anvil with support roller
- Modular UL 1m (39.37") unwind with roll lift
- Matrix stripping & rewind for second die station
- Matrix stripping roller/bar (for use with difficult to strip matrix)
- Sensor & software upgrade for die cut to register applications
- Air assisted turn bar & additional web guide
- 700mm (27.5") product rewind
- Additional rotary/razor slitting knives
- Foot pedal to jog machine (assists in webbing up the machine)
- Flexographic print station
- Digital print module
- Semi-rotary die cutting

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](mailto:sales@daco-solutions.com)  
[www.daco-solutions.com](http://www.daco-solutions.com)



[www.daco-solutions.com/agents](http://www.daco-solutions.com/agents)