

Daco TDP Flexographic Label Press with In-Line Finishing is the ideal machine for converting 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 4 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 1 or 2 servo driven rotary die stations or 1 to 3 flexo print stations.



The Daco TD's, SVT turret module utilises a unique patented double sided tape system for attaching the web to the cores, and the finished rolls are closed using a label printed by an on-board thermal transfer printer. This totally eliminates the need for expensive and complicated hotmelt gluing systems which often cause problems for both machine operators and end users. Electronic job storage coupled with an intuitive touch screen control and minimal mechanical settings makes the machine very simple to setup and operate.

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 to the cores without stopping.

Manufacture 1 to 3 colour and colour-washed labels cost-effectively. Labels are produced in one pass, printed and finished with just one machine and operator. Reduce your labour content and improve your profit margins.



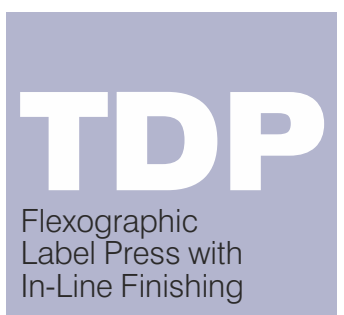
Flexo print station



Intuitive 12.1" colour touch screen control



Daco DM350 rotary die cutting module



UL350 Cantilevered Unwind Module

- Maximum unwind diameter: 1m (39.37")
76mm (3") air mandrel
Integral roll lift
Merobel electromagnetic particle brake
Automatic taper tension control
Programmable end of roll function
The user can program the roll end diameter - slowdown and / or stop from the touch screen operator interface. The system does not use any roll followers or external sensors that can be damaged at roll changes.
- Web up - the operator can, at the touch of a button on the touch screen operator interface, release the unwind brake to allow for easier webbing up of the machine.
- 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

1 Flexographic print / coating station

- Servo driven
- Print repeat lengths: 203-558mm (8-22")
- Maximum print width 340mm (13.38")
- Constant turning anilox roller (Screen count to client specification)
- Auto throw off
- Doctor blade
- Running speed: Up to 100 m/min (dependent upon ink and substrate)
- Dual dryer configuration for IR & UV
- Closed loop tension control

Converting Module

- Servo driven infeed nip roller
Fully adjustable with regulator and gauge
On / off feature to allow for easy threading of the machine

Interlocked so that the machine cannot be started with the nip roller off.

- Single servo driven rotary die station - with matrix stripping, waste rewind & die cut to register
Cutter repeat lengths: 203-457mm (8"-18")
Fixed through hardened anvil - 105T - 13.125" repeat.
Precision ground 20mm (0.78") thick die plates.
Gearing 1/8cp 20 degree pressure angle
A driven capstan 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 the matrix rewind
Matrix / Waste Rewind - 700mm (27.5") diameter
Matrix stripping roller (for use with difficult to strip matrix)

SVT In-Line turret module

- 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
- Servo driven 4 spindle turret rewinder
Max rewind diameter: 340mm (13.38")
50mm (2") minimum roll diameter
Closed-loop tension control
4 x 76mm (3") air mandrels (or 4 of customer choice)
Adjustable core positioning stop - ensures accurate loading of cores onto the mandrel.
Automatic roll eject system complete with roll eject chute - enables easy

removal of the finished rolls by the operator.

- Mandrel end support at the label closure / tamp position
- Print and apply label applicator to close the finished roll with a label.
A Toshiba Tec B-EX4T1 300 dpi thermal transfer printer can print data to the roll closure labels. The printed labels are collected onto a vacuum head and applied to the finished rolls. The label closure data is programmable from the machines touch screen.
8 Vacuum heads
- Count units: Labels / Metres / Feet
- Maximum web speed 175m/minute (575 feet/minute)
- Colour touch screen HMI operator interface
Highlights machine status & error messages
Counting options
Tension settings
Job storage for easy & quick job set ups - 100 job capacity
- 7 web dividers
- Modem connection for machine diagnostics & software upgrades
- Solid construction
Built on a 3mm (0.118") cabinet with a precision ground 20mm (0.78") main plate
- Durable powder coated cabinet and main plate

Air requirements

80 psi, 1cfm

Electrics

415 volts, 16 amps, 3 phase neutral and earth

Conformity

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

TD Optional equipment

Flexo / Coating Station Optional Equipment

- RotoMetrics tinting mandrel with Daco Solutions air assist stand
- Air assisted turn bar
- Spare ink tray
- Spare doctor blade assembly
- Additional servo driven flexographic print / coating station

Drying Options

- Daco IR Dyer - 4.5KW hot air / IR dryer for water-based inks & coatings - per print unit
- GEW E2C UV dryer with RLT-EB & colour touchscreen control including Daco D-cube
- GEW Aero LED dryer with colour touchscreen control including RLT power supply mounted in an RLT rack

Converting Module

Die Station Optional Equipment

- RotoMetrics Hydra Jacks - die pressure gauges, quick release (per die station) - modified guarding & die blocks

- Daco DBS-350ES back scorer - 2 knife holders (for edge trimming & winding with waste)
 - Foot pedal to jog the machine (assists in webbing up the machine)
 - Removable anvil with support roller
 - Kocher & Beck GapMaster adjustable clearance anvil system
 - Additional rotary die station (no waste rewind or stripping)
 - Matrix stripping & rewind for second die station
 - Air assisted turn bar & additional web guide - positioned after the die station and enables labels in winding:
 - RotoMetrics Magnetic die cylinders
- ### Turret Module Optional Equipment
- Auto Set Slitting (Minimum slit width 24mm (0.944") complete with 5 knives and autopositioning sensor.
 - Servo-driven automatic core loader enables cores to be positioned onto the rewind shaft accurately and quickly.
 - Replace the double-sided tape system with a Nordson ProBlue Flex

hot melt gluing which is programmable & allows the operator to set up the core gluing within seconds

- Razor slitting - 3 knives with lateral knife adjustment +/- 8mm (0.31") - Minimum slit width 10mm (0.39")
 - 19mm (3/4") to 76mm (3") air mandrels
 - Additional rotary slitting knives
 - Additional razor slitting knife holders
- ### Inkjet Module For Barcoding & Variable Data Applications
- IJ350 module for the fitting of a Mono inkjet system
 - Domino K600i 333mm wide mono UV inkjet system with automated cleaning
 - Inkjet Solutions I-Jet600 - 332mm wide mono UV inkjet system

General Upgrades

- Crush cut slitting with 2 Tidland knife holders with lateral adjustment
- Lundberg Waste Extraction for the label matrix

Manufactured by



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