



Daco TD350 plain label converting line 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.

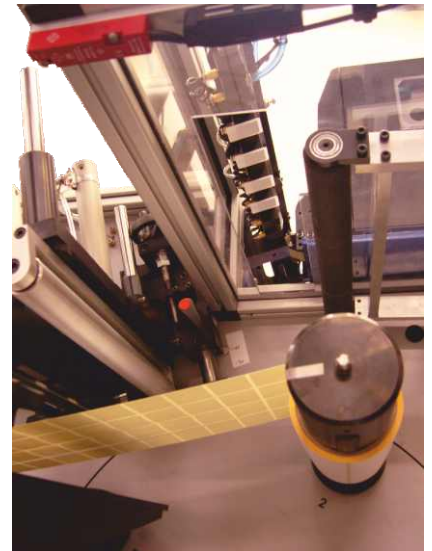


The Daco TD's, SVT turret module utilises a unique double sided patented tape system for attaching the web to the cores, and the finished rolls are closed using a label printed by an on-board thermal transfer printer. This totally eliminates the need for expensive and complicated hotmelt gluing systems 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.

The Daco TD350 plain label converting line has a host of optional equipment which enables you to specify a very adaptable plain label converting line both now and in the future because of its modular construction.

The machine is suited to the growing thermal transfer market where quick make ready, high production speeds and little operator input is key to producing good profit margins.



Label roll closure system



Intuitive 12.1" colour touch screen control



Daco DM350 rotary die cutting module

TD

350 Plain Label
Turret Rewinder /
Diecutter

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

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
 - 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.
 - Servo driven 76mm (3") air 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

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
- Sensor & software upgrade for die cut to register applications

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 WasteTech 140-140MS waste extraction for the label matrix
- Lundberg Matrix Compactor 140 - 140MSC waste extraction for the label matrix
- Martin butt splicer
- 1 to 3 servo flexographic print stations

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