



The Daco DTR range was introduced as customers were asking for a simple to use low cost label rewinder. A short and simple web path keeps wastage to an absolute minimum and a wide range of options allow you to configure the machine to your exact requirements.

The machine base platform utilizes mechanical mandrels on the unwind and rewind, the machine has automatic taper

tension control on the unwind and also incorporates an end of roll feature.

A choice of razor, rotary or crush cut slitting is available dependent on the material being rewound.

The base machine design does not use a nip roller so at no time is the face of the labels touched, this allows for delicate labels and stocks to be rewound. The machine is ideally suited for the rewinding of perforated labels and booklet labels.

DTR Standard Specification

- Web width: 350mm (13 $\frac{3}{4}$ ") or 430mm (17")
- Maximum unwind diameter: 457mm (18")
- Unwind with electromagnetic particle brake
 - Taper tension control
 - 76mm (3") air mandrel
 - Programmable end of roll function
- Fixed splice table (plate with a slot)
- Maximum rewind diameter: 457mm (18")
 - 76mm (3") air mandrel
 - Labels in / labels out rewinding
- Maximum web speed: 175metres / minute (575 ft/min) dependent on stock
- Web Speed control, to keep the web speed at a steady speed + / - 10% regardless of changes to roll diameter
- Label Counter - Length/Metres/Feet
- Colour touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options
 - Tension settings
 - Allows for easy and quick jobs set ups
- Quick check

DTR Optional Equipment

- Upgrade to a floor standing cabinet / main plate
- Twin product rewinds
- Drello - Labelscope 3125 - (400 x 300mm illumination area @ 0.3m)
- Range of mechanical rewind mandrels: 25-76mm (1" - 3")
- BST electronic with an ultrasonic sensor
- BST electronic web guidance - steered unwind - with an ultrasonic sensor
- Forwards / Reverse rewinding
- Pneumatic web clamps for splice table
- Replace fixed splice table with adjustable splice table with pneumatic web clamps
- Flag detection
- Splice detection
- Razor slitting with 3 razor knives and lateral adjustment - minimum slit width: 10mm (0.393")
- Additional razor slitting knife holders
- Crush cut slitting - minimum slit width 12.5mm (1/2") (with 3 Tidland knives and lateral adjustment), nip roller, electromagnetic particle clutch and taper tension control
- Additional crush cut slitting knife holders - air operated
- Individual regulator for each air operated crush knife
- Rotary scissor slitting - minimum slit width 13mm (0.51") (with 3 knives and lateral adjustment), nip roller, electromagnetic particle clutch and taper tension control



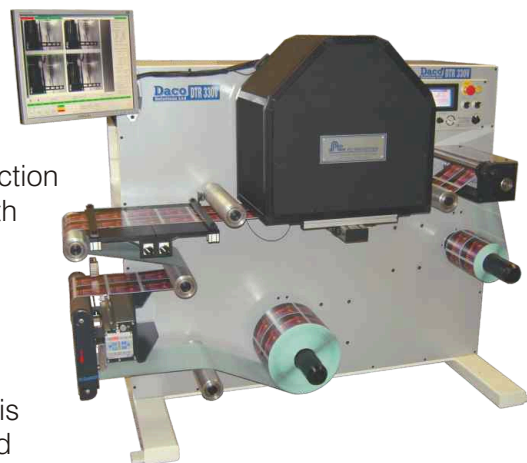
DTR

Label
Rewinder

The Daco DTR-V platform has been developed as a direct result of the need for a true 100% inspection platform. The machine has been developed with several of the leading 100% inspection camera manufacturers, and close consultation with customers.

The machine rewinds in both forward and reverse directions so that re-inspection of the label is possible after a

fault is found by the camera system. Once a fault is found the machine comes to a controlled stop and the machine then reverses the fault back to the splice table for correction. The label is then passed back under the camera for re-inspection. Many other systems do not have the ability to re-inspect the defective label, as they do not have the reverse feature. Once the roll is error free the roll can then be slit if needed to the desired width. The DTR-V integral counting facility can count in either labels, feet or metres



DTR Vision - Standard Specification

- Web width: 350mm (13¾")
- Maximum unwind diameter: 457mm (18")
 - 76mm (3") air mandrel
 - Unwind with electromagnetic particle brake
 - Taper tension control
 - Programmable end of roll function
 - BST electronic web guidance with an ultrasonic sensor - only operates in forwards direction
- Fixed splice table with interlocked pneumatic web clamps
- Maximum rewind diameter: 457mm (18")
 - 76mm (3") air mandrel
 - Rewind incorporates electromagnetic particle brake - used when running in reverse direction
 - Labels in / labels out rewinding
- Maximum web speed: 175metres / minute (575 ft/min) dependent on stock
- Web Speed control, to keep the web speed at a steady speed + / - 10% regardless of changes to roll diameter
- Label Counter - Length / Metres / Feet
- Touch screen HMI operator interface
 - Shows machine status and system messages (interlocks not met etc)
 - Counting options
 - Tension settings
 - Allows for easy and quick jobs set ups
- Quick check
- Forwards / Reverse rewinding

DTR Vision - Optional Equipment

- 100% inspection camera system
- Twin product rewinds
- Range of air mandrels: 25-102mm (1" - 4")
- Replace fixed splice table with adjustable splice table with pneumatic web clamps
- Razor slitting with 3 razor knives and lateral adjustment - minimum slit width: 10mm (0.393") - Bi-directional facility
- Additional razor slitting knife holders
- Crush cut slitting - minimum slit width 12.5mm (1/2") (3 Tidland knives and lateral adjustment) - includes pneumatic nip roller assembly
- Additional crush cut slitting knife holders - air operated
- Individual regulator for each air operated crush knife
- Rotary scissor slitting - minimum slit width 13mm (0.51") (3 knives, knife separation, and lateral adjustment) - includes pneumatic nip roller assembly

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 safety circuits use dual channel safety switches, which are continuously monitored using a certified safety relay.



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