

DACO SI INSPECTION SLITTER REWINDER



The Daco SI label inspection / slitter rewinder offers both flexibility and high performance. Its unique design includes a quick make ready rotary scissor slitting unit with knife separation and lateral adjustment. A touch screen HMI operator interface enables quick and easy job setups, control of the various counting facilities, automatic web advance, taper tension control and end of roll features.

Both the unwind and rewind have taper tension control as standard, this ensures the web tension remains constant regardless of changes in roll diameters.

The electronic web guidance system ensures that the finished rolls are perfectly wound, and an inspection table with adjustable splicing table with pneumatic clamps is also fitted as standard, enabling splices to be made both neatly and easily.

Pneumatic airshafts for both unwind and rewind means that changing the rolls could not be simpler, and a web advance system makes it easy to attach the web to the core when starting a new roll.

The Daco SI range of inspection / slitter rewinders in its standard format allows for the efficient slitting, rewinding and counting of labels. The impressive features, quick setup and ease of use provides the client with a quick return on investment.

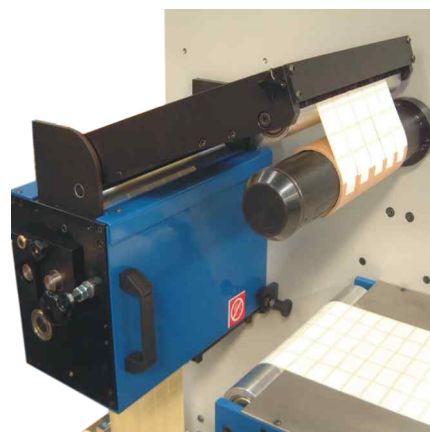
- Web widths 330mm (13") and 410mm (16")
- Electronic web guide with an ultrasonic sensor (suitable for clear and opaque substrates).
- Labels/feet/metre counting with programmable slow down and stop.
- Programmable web advance.
- Operator programmable end of roll slowdown and/or stop - choose the diameter that the machine is to slow or stop at via the HMI (without the use of roll followers or external sensors that can be damaged at roll changes).
- Quick change air shafts.
- Labels in/labels out rewinding.
- 1460mm (57.4") inspection table with adjustable splicing facility and pneumatic interlocked web clamps.
- 700mm (27.5") Fault editing / inspection table with adjustable splicing facility and pneumatic interlocked web clamps prior to slitting
- Colour touch screen HMI operator interface – easy job setups, tension settings, machine status and counting options.
- Quick check – slows the web for a programmable fixed length of time and then the machine accelerates to the normal running speed.
- Taper tension control for the unwind and rewind.
- Pneumatic fully adjustable silicone covered nip roller keeps down time to a minimum as labels cannot attach themselves to the roller – on/off feature allows for easier webbing up of the machine.
- Rotary scissor slitting with knife separation and cross adjustment. Easy access to knives and anvils without breaking or removing the web.
- Electromagnetic particle clutch and brake.
- Solid construction – built on a 3mm (0.118") cabinet with a precision ground 16mm (0.62") steel main plate.

DACO SI

www.daco-solutions.com



Colour touch screen and Drello strobe light



Programmable web advance

DACO



DACO SI

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Standard Specification

- Maximum unwind diameter: 762mm (30")
76mm (3") diameter airshaft
Merobel electronic brake
Taper tension control
Programmable end of roll function
The user is able to program the roll end diameter - slowdown and/or stop
- The system does not use any roll followers or external sensors that can be damaged at roll changes. The diameter is programmed from the touch screen operator interface.
- #1 1460mm (57.4") Inspection area with adjustable splicing facility and pneumatic interlocked web clamps
- #2 700mm (27.5") Fault editing / inspection area prior to web guiding and slitting with adjustable splicing facility and pneumatic interlocked web clamps
- Automatic electronic web guide
Ultrasonic sensor enables guiding of opaque and clear materials
Adjustable web guide sensor
- Slitting
3 rotary scissor slitting knives (shear knife).
Knife separation - Allows for easy setting of the knife and anvil with the web in place. Does not require costly off machine setting tools.
Minimum slit width: 13mm (0.51").
Lateral knife adjustment: +/- 5mm (0.196").
Dual knife box configuration to allow for razor slitting to be also fitted.
- Product rewind
Max rewind diameter: 457mm (18")
76mm (3") diameter with quick change air shaft
Taper tension control
Merobel electronic clutch
Labels in / labels out rewinding
The rewind is driven by a 1.5kw (2 HP) motor
Programmable web advance system
The web advance delay time is programmable from the touch screen
The mandrels are quick change.
The mandrel size is selected on the touch screen and is electronically compensated for, so there are no gears to change.
- Maximum speed: 300 metres per minute (984 ft/min) dependent on material specification and condition
- 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.
- 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

- Air operated silicone nip against a driven draw roller

Fully adjustable via regulator and gauge

On / off feature to allow for easy threading of the web

Interlocked so that the machine can not be started with the nip roller off

The draw roller is driven by a 1.5kw (2 HP) motor to isolate the unwind tension from the rewind

- Quick check

Slows the web for a programmable fixed length of time to allow the operator to inspect the print and then accelerates back to the normal running speed.

- Run hour meter

- Solid Construction built on a 3mm (0.118") cabinet with a precision ground main plate 16mm (0.62")

Optional Equipment

- Twin product rewinds
- Missing label detection - 6 or 12 lane
- Servo driven option
- Closed loop tension control
- Flag detection
- Splice detection
- Strobe light
- 100% inspection
- Full range of air mandrels from 25mm (1") to 76mm (3")
- Rotary die cutting module with 10-24" repeat with matrix stripping tower. 1 or 2 die stations
- Additional slitting knives
- Conforms to CE regulations, and all safety circuits use dual channel safety switches, which are continuously monitored using a certified safety relay.

Air requirements

- 80 psi, 1cfm

Electrics

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



HSI Inspection / Slitter Rewinder

- Web width: 410mm (16") or 508mm (20")

All the features and benefits of the Daco SI but with a 1000mm (40") unwind with roll lift

Your Agent is:

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