

The Daco FLX350 is a compact versatile converting line for labels. The machine is available for flexographic printing applications or for the converting of media from pre-printed digital, inkjet, flexo and gravure printing presses.



Easily apply spot or flood coat UV varnishes, the

'FLX350' can also be configured with an optional laminating station to give ultimate flexibility for digital finishing applications.



The flexographic print / coating station utilises the latest in servo drive technology and with software written by Daco allows for quick and easy setup. With the environment and paper costs in mind the print to die register is accomplished with the use of very little substrate.

Even with the machines compact size the FLX350 has a 700mm (27.5") unwind and rewind with automatic tension control ensuring that roll changes are kept to a minimum. A smaller optional rewind is also available for digital converting and plain label / slitter rewinding functions.

The flexibility of the 'FLX350' platform enables a converting line to be configured for most applications.



Daco FLX350 flexo print unit



Rotary die cutting with matrix stripping and RotoMetrics Hydra jacks



GEW UV dryer and Daco IR dryer



# FLX

## Standard Specification

- Web width: 350mm (13.75")
- Modular U350 Unwind
  - Maximum unwind diameter: 700mm (27.5")
  - 76mm (3") air mandrel
  - 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
- 1 Flexographic print / coating station
  - Print to register servo drive system with a +/- 0.25mm (0.010") accuracy at a constant speed
  - Print repeat lengths: - 203-558mm (8"-22")
  - Constant turning anilox roller
  - Auto throw off
  - Doctor blade
  - IR dryer
- 1 Rotary die station with matrix rewind
  - Die cut to register servo drive system with a +/- 0.25mm (0.010") accuracy at a constant speed.



- Cutter repeat lengths: 203-457mm (8"-18")
- Fixed through hardened anvil - 105T - 13.125" repeat.
- 20mm (0.78") thick die plates
- Gearing 1/8cp 20 degree pressure angle
- Lateral die adjustment
- 76mm mechanical mandrel: For matrix rewind
- Maximum matrix rewind diameter: 609mm (24")
- Maximum product rewind diameter: 700mm (27.5")
  - Servo driven rewind
  - Automatic taper tension control
  - 76mm (3") air mandrel
- Maximum web Speed: 100 metres / minute (328 feet/minute) dependent on material.
- Count Facility:-
  - Labels
  - Length - meters / feet
- Rotary scissor slitting unit
  - 3 slitting knives
  - Minimum slit width 13mm (0.51")
  - Lateral knife adjustment +/- 8mm (0.31")
  - Removable interlocked cutter guard
- Fully adjustable silicone nip roller
- Colour touch screen HMI operator interface
  - Highlights machine status & error messages
  - Counting options
  - Tension settings
  - Allows for easy & quick job set ups
- Modem connection for machine diagnostics & software upgrades
- Durable powder coated cabinet and main plate

### Air requirements

80 psi, 1cfm, machine supplied with 6mm air fitting

### Electrics

380-415 volts, 3 phase Neutral & Earth, 16 amps, 50/60 Hz  
Note: If an RCD is fitted it must be 100 milliamp

### Conformity

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

## FLX Optional equipment

- Modular U350L 1m (40") unwind module with roll lifter, 76mm (3") diameter air shaft
- Dual drying - keep the Daco IR dryer and add a GEW E2C UV dryer
- Replace IR dryer with GEW E2C UV dryer
- Print to register / Spot varnish for the print / coating station
- Additional servo driven flexographic print / coating station (with IR dryer)
- Air assisted turn bar
- Daco DBS-350ES quick set back scorer - 2 knife holders (for edge trimming & winding with waste)
- Daco DBS-350 back scorer - 2 knife holders (for edge trimming & winding with waste)
- RotoMetrics Hydra Jacks - die pressure gauges with quick release
- Removable anvil with support roller
- Kocher & Beck GapMaster adjustable clearance anvil & oil lubrication
- Additional servo driven rotary die station(s) (no waste rewind or stripping)
- Semi-rotary die station
- Razor slitting - 3 knives with lateral knife adjustment +/- 8mm (0.31") - Minimum slit width 10mm (0.39")
- RotoMetrics tinting mandrel with air assist stand
- Foot pedal to jog machine (assists in webbing up the machine)
- Additional rotary slitting knives: - per set (Set comprises of 1 knife and 1 anvil)
- Additional razor slitting knife holders
- Additional 360mm (14") servo driven product rewind for plain label

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