Daco SOLUTIONS LTD

D 350S Fully Servo Driven Die Cutter/Sheeter

SERVO DRIVEN

The Daco D350S sheeting machine for the production of laser labels. The D350S can produce A5, A4, A3 & SRA3 sheet labels, the die station and sheeting unit are both fully servo driven with the sheeting station only using one cylinder to produce all sheet sizes.

The Daco D350S can die cut and sheet to register for clients wishing to convert material from digital or flexographic label presses. The machine is also capable of producing labels on rolls allowing plain label production for thermal printers and is aimed at the short to medium production runs. The D350S is quick to setup through the use of innovative servo software and intuitive touch screen which allows the operator to be in production with only 8 sheets of setup.

The large 700mm (27.5") unwind with electronic brake and taper tension control, with an option to upgrade to a 1m (40") unwind keeps roll changes to a minimum.

Roll to roll label production

Sheeting station with indexing conveyor

D
350S
Die Cutter/Sheeter

www.daco-solutions.com

D 350S

Standard Specification

- Web width: 350mm (13.75")
- U350 Cantilevered Unwind Module
  - Maximum unwind diameter: 700mm (27.5")
  - 76mm (3") diameter air shaft
  - Electromagnetic particle 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
  - Web up - the operator from the touch screen operator interface, release the unwind brake to allow for simple 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
- DBS-350 back scorer - 2 knife holders for crack backs and edge trims
- De-curler to be positioned prior to 1st die station to assist in removing curl from the material. De-curling bar has both sharp and radiuses edges to give options for coated materials

Die Station 1

- Servo Driven Rotary die station with Matrix Rewind
  - Cutter repeat lengths: 8"-18.5"
  - Fixed RotoMetrics through hardened anvil.
  - Precision ground 20mm (0.78") thick die plates
  - Gearing 1/8" CP 20 Degree Pressure Angle on front side of anvil and 32DP on rear side of anvil
  - Rotometrics die pressure gauges with Quick Release system to minimise downtime
  - Lateral Adjustment of Die station (the complete die station rather than just the die adjusts by +/- 15mm)
  - Die springs fitted to the die station to lift the magnetic cylinder to allow easy changing of the magnetic plates
- SETUP MODE – this enables the operator to jog the machine at a slow speed with the guards removed.
- Diecut to Register Control system with an accuracy of +/-0.25mm (0.010") at a constant speed. A registration mark must be printed on each sheet, and must be positioned away from any other print which could interfere with the registration sensor.

Crush Slitting Station

- With 3 quick release Crush Knives for edge trimming or slitting when producing labels on a roll. Utilises Tidland air operated crush knifes which operate against a Rotometrics through hardened anvil. Crush knives can be easily added or removed on a quick release system, and the crush pressure is controlled by means of a pressure regulator and gauge.

Sheeting Station

- Servo driven sheeting (Uses 1 fixed die cylinder with either 1 or 2 sheeting blades)
  - Sheet lengths 100mm – 1400mm
  - Fixed RotoMetrics through hardened anvil.
  - Precision ground 20mm (0.78") thick die plates
  - Gearing 1/8" CP 20 Degree Pressure Angle on front side of anvil and 32DP on rear side of anvil
  - Rotometrics die pressure gauges with Quick Release system to minimise downtime
  - Diecut to Register Control system with an accuracy of +/- 0.25mm (0.010") at a constant speed. A registration mark must be printed on each sheet, and must be positioned away from any other print which could interfere with the registration sensor.
  - Indexing conveyor with batch count facility. Both accelerating conveyor and indexing conveyor to utilise wide 20mm flat belts.
  - Adjustable Doctor Blade on the Anvil Sheeting Station
- Maximum web Speed: 130 metres / minute (426 feet/minute) dependent upon material and sheet length
- Count Facility:-
  - Sheets
  - Labels
  - Length - meters
  - Stop on diameter
- Fully adjustable servo driven silicone nip roller
- Colour touch screen HMI operator interface
  - Highlights machine status & error messages
  - Counting options
  - Tension settings
  - Job storage for easy & quick job set ups

Air requirements

80 psi, 1cfm

Electrics

380-415V - 3 phase, 50/60 Hz, 16 amp + neutral or to suit local requirements

Conformity

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

Optional U350L Unwind module

D350S Optional equipment

- Modular U350L 1m (40") unwind module with roll lifter, 76mm (3") diameter air shaft
- Modular flexographic print station
- Modular DP350 inkjet printing system, UV or water based, mono or CYMK
- Removable anvil with support roller
- Matrix stripping roller (for use with difficult to strip matrix)
- Matrix stripping bar (for use with difficult to strip matrix)
- Range of air mandrels 25mm (1") to 76mm (3")
- RotoMetrics magnetic die cylinders
- Modem connection for machine diagnostics and software ugrades

Your Agent is:

www.daco-solutions.com/agents

Manufactured by

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