



The Daco DP350 digital inkjet label press is a modular digital platform and is the ideal solution to mount virtually any make and model of UV inkjet printing system. We have experience in the fitting of Inkjet Solutions i-JET600 Label, Memjet based systems and the Domino K600i UV inkjet systems with GEW UV drying.

The platform in its basic form has a 700mm (27.5") unwind and rewind with the option to add inline slitting, die cutting options, Meech web cleaning and Vetaphone corona treatment.



Standard Specification

- Web width: 350mm (13.75")
- 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 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 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 with integral splice table & pneumatic web clamps
 - Ultrasonic sensor - enables guiding of opaque and clear materials
 - Adjustable web guide sensor
- Servo driven infeed nip roller prior to the inkjet platform

- On / off feature for easy threading of the web
 - Interlocked so that the machine cannot be started with the nip roller off.
- Inkjet platform with the provision for a GEW UV dryer, Meech web cleaning & Vetaphone corona treater.
- Servo driven out feed nip assembly
 - On / off feature for easy threading of the web
 - Interlocked so that the machine cannot be started with the nip roller off.
- Rotary scissor slitting unit
 - Minimum slit width 13mm (0.51")
 - Lateral knife adjustment +/- 8mm (0.31")
- Removable interlocked cutter guard
- Razor slitting
 - 3 knives
 - Lateral knife adjustment ± 8mm (0.31")
 - Minimum slit width 10mm (0.39")
- Master Product Rewind
 - Maximum rewind diameter: 700mm (27.5")
 - Servo driven
 - Automatic taper tension control
 - 76mm (3") air mandrel

- Note:** This rewind can only use a 76mm (3") mandrel.
- Maximum web Speed: 175 metres / minute (575 feet/minute) dependent on material & print speeds
 - Count Facility:-
 - Labels
 - Length - metres / feet
 - Total count
 - Auto calculation of slowdown and stop irrelevant of web speed
 - Colour touch screen HMI operator interface
 - Highlights machine status & error messages
 - Counting options
 - Tension settings
 - Allows for easy & quick job set ups
 - Job storage - 100 jobs for Daco settings only
 - Modem connection for machine diagnostics & software upgrades
 - Run hour meter

DP Optional equipment

- Vetaphone single sided corona treater
- Meech web cleaner
- Modular U350L 1m (40") unwind module, cantilevered design, 76mm (3") diameter air shaft, roll lift
- Laminating station - laminate with a carrier - carrier rewind
- Laminating station - self wound laminate - with electromagnetic brake and automatic taper tension control
- Additional product rewind for digital finishing applications (includes mandrel of customer choice)
 - Maximum product rewind diameter: 360mm (14")
 - Servo driven
 - Taper tension control
 - Labels in / labels out rewinding
 - Air mandrels 25mm (1") to 76mm (3")
- 1 Full rotary die station with matrix rewind
 - Cutter repeat lengths: 203-457mm (8"-18")
 - Fixed through hardened anvil - 105T - 13.125" repeat.
- Semi-rotary die station with matrix rewind (full rotary & semi-rotary)
 - Full rotary cutter repeat lengths: 203-558mm (8"-22")
 - Semi rotary cutter repeat length: 50-457mm (2"-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 +/- 10mm (+/- 0.39")
 - Semi-rotary magnetic die cylinder - 176T 22" repeat
 - Maximum web Speed: 175 metres / minute (574 feet/minute) dependent on material - Full rotary
 - Maximum web Speed: 65 metres / minute (213 feet/minute) dependent on material - Semi rotary
- Die station options
 - RotoMetrics Hydra Jacks - die pressure gauges, quick release - modified guarding & blocks
 - DBS-350 ES back scorer - 2 knife holders (for edge trimming & winding with waste)



DP 350

Modular Digital Platform

i-JET600
LABEL



i-JET600 Label CMYK – COLOUR INKJET PRINTER SERIES

- Available print widths 108mm, 220mm and 332mm
- Full variable data printing as standard. (Bar-coding, QR codes, date, batch numbering and variable PDF)
- 300 x 600dpi at 150m/m
- 480 x 600dpi at 110m/m
- 600 x 600dpi at 75m/m
- 4 colour process (CMYK), plus white (water based or UV).
- Printing, processing and converting all-in-one-pass technology, in partnership with Inkjet Solutions.

i-JET600 Label MONOCHROME INKJET PRINTER SERIES

- Inkjet Solutions i-JET600 Label series of industrial inkjet printers have been built utilising Kyocera's piezo 'Drop On Demand' (DOD) print head technology. Integrated into our i-JET600 Label series of inkjet printers that deliver high speed high quality variable data solutions
- Our Versatile variable data software package enables you to effortlessly create barcodes, 2D codes including QR codes, date (in any format), batch numbering and print onto your labels, tags, direct mail, security products and forms with minimum set up time.
- Create your own variable data directly from database packages such as Access, Excel, dbase, xml and html files.
- Inkjet Solutions i-JET600 Label series includes a highly specified ink handling system enabling ink recirculation, de-airing purge and degassing as standard. All of which decreases downtime and rejected products due to blocked nozzle's.
- The i-JET600 Label series has been built with operators in mind with virtually no consumables (apart from ink) required for the i-JET600 Label module to run reliably.
- Available in print widths up to 332mm.
- Print speeds of up to 200mpm depending on module type.



Inkjet Solutions i-JET600 Label Mono print head

INKJET SOLUTIONS

www.daco-solutions.com

DP

350

Modular Digital Platform



The Daeco DP350 is a very flexible digital platform for the mounting of inkjet systems from various manufacturers. The pictured machine utilises a GEW UV dryer, corona treater, mono UV inkjet system, barcode verification and rotary die cutting to register.



Unwind module



DM350 rotary die module with optional turret rewinder



Semi-rotary die cutting module

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