

# DUSENSE SPOT UV

## HD imaging HIGH DEFINITION

An array of the latest 600dpi ink jet heads, produce high definition images.

## SUPERB GLOSS

DuSense Sensory Coating has been developed by Duplo to be compatible with HP electroink, offset and most toner based machines to deliver a beautiful 99 gloss level UV finish.

## PRECISION AS STANDARD

Twin cameras and the Duplo IRM (Image Register Mark) ensure alignment precision, within 0.2mm accuracy along the entire sheet length.

## EASY OPERATION

DuSense GUI allows other Windows compatible software such as Acrobat and image editing programmes, to be run directly at the operator console.

## BARCODE KIT

This function reduces the opportunity for an operator to load an incorrect file, ensuring the correct image is applied to the sheet.

## SAFE & CONVENIENT

Simple operation extends to machine operators safety and convenience, the sensory coating is provided in easy loading vacuum sealed cartridges, whilst the DuSense self cleanse's for easy maintenance.

## GOING TO GREAT LENGTHS TO BE PRODUCTIVE

Running at a healthy 1080 x SRA3/B3 sheets an hour, means that the DuSense has the functionality to run 600 sheets of 250gsm, in 30 minutes of unattended operation.



# DUSENSE DIGI FOIL

## PERFECT FOILING RESULTS

The Digi Foil has the most reliable heating system available on the market. It contains induction heated rollers that guarantee the most consistent temperature.

## RUBBER

The heating roller itself is covered with a silicon compound rubber that was specially designed to completely follow the highs and lows of the coated surface.

## SEMI AUTOMATIC

The Digi Foil is equipped with a manual fed feeding table.

## TOUCH SCREEN

The main functions of the machine are controlled from a touch screen. It can even tell you actual temperatures and can be set easily.

## CANTILEVER SYSTEM

Change over of rolls with Digi Foil is made easy with its cantilever system.



# PFI BLADE B3+ DIGITAL CUTTING TABLE

## NO DIES REQUIRED

Utilizing the PFi Blade Connect software, the triple tooling head follows the lines sketched on the cutting file to finish applications into any shape desired.

## EASY JOB PREP AND SETUP

Prepare the printed artwork files by adding registration marks on each corner of the sheet as well as a QR code. During operation, the CCD registration system will read the QR code and automatically pull up the matching cutting file on the PFi Connect Software. It will also read the registration marks and compensate for any image shifting to ensure each sheet is accurately finished.

## AUTOMATED FEED SYSTEM

With a stack height of 100mm the PFi Blade maintains a productive operation. Each sheet is vacuum fed with the air knife aiding in separation then transported onto the cutting table. The feed tray elevates as sheets are fed and it can be reloaded without interrupting operation.





# Duplo

**For more information, to book a demo or request a sample,  
please contact [info@duplointernational.com](mailto:info@duplointernational.com)**



With the packaging industry experiencing an increase in short run needs.

Duplo International provides the perfect trio of products to help you create ON DEMAND packaging solutions, perfect to run prototype or micro runs or personalised packaging.

By combining our ability to add sensory coating to print as well as stunning and intricate foiling finishing and cut any shape on demand, we offer printers the ability to go from PDF to POS in a matter of hours.

Just like all of our Duplo International solutions, small footprint, ease of use, versatility, complete automation and high quality results is at the heart of our solutions.

Whether you are keen to explore new revenue streams, differentiate with the new Packaging Solutions range, the DuSense Sensory Coater, Digi foiler, PFI Blade B3+ Digital Cutting table.

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## DUSENSE SPOT UV

Print Head	Piezo method - Resolution 600 x 600 dpi
Head Cleaning	Automated cycles of purge and wipe during normal operation
Print Correction	Automatic camera correction by reading Image Register Marks. Image distortion in length, width, skew, scaling, twist @ max. $\pm 2$ mm in the horizontal and vertical directions. XY offset @ $\pm 5$ mm in the horizontal and vertical directions Correction in Real time, Lead & trail edge, Lead only, Fully manual
Print Thickness	20* to 80 $\mu\text{m}$ $\pm$ 10 $\mu\text{m}$ depending on paper quality
Processing Speed	1200 x SRA3 sheets per hour for coating thickness @ 20*-40 Micron 600 x SRA3 sheets per hour @ 50-80 Micron
Feeder Capacity	150 mm
Stacking Capacity	150 mm
Paper Size	W 279 to 364 mm L 210 to 740 mm
Power	3 phase, 16Amp + Neutral and Earth supply, commando type socket (Y220 to 240 V AC/380 to 415 V AC, 50/60 Hz, 12 A/phase, peak 16 A) For PC : Single phase 208 to 240 V AC, 50/60 Hz
Dimensions (WxDxH)	W-3,518mm x D-820mm x H-1,840 mm
Weight	520 kg

\* Results for 20  $\mu\text{m}$  are subject to conditions

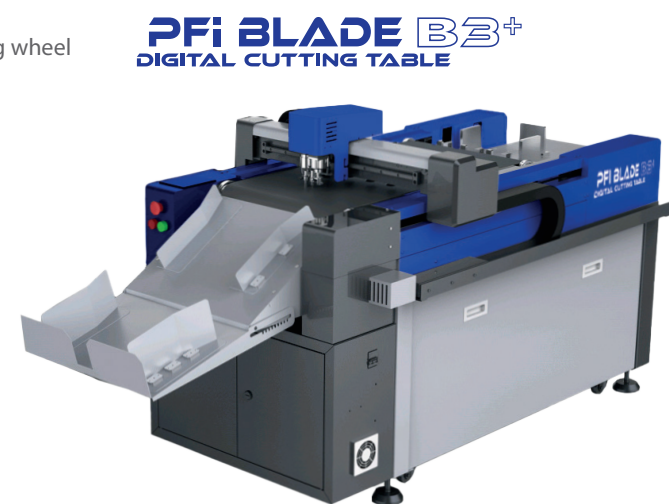
**DIGI FOIL**

Foiling Speed	1 mtr/min - 10 m/min
Media thickness	120 - 400 g/m
Roller pressure	Pneumatic
Paper size	W 380 x L 700 mm
Power	AC 220~240V, 50/60Hz, 16 A
Dimensions (WxDxH)	W-1,700mm x D-720mm x H-1,350 mm
Weight	240 kg

## PFi BLADE B3 +

Feeder Capacity	Up to 100mm
Max. Sheet Size	*600 mm x 400 mm
Tools	Cut through knife, kiss cut knife, scoring wheel
Blade	Tungsten steel
Max. Cutting Speed	Up to 800 mm/second
Cutting Thickness	Up to 1.3 mm
Cutting Tolerance	±0.3 mm
File Format	Ai Eps Jpg Pdf Ps Dxf
Voltage	220V 50/60Hz 20A
Power	4KW 22V 50/60Hz 20A
Dimensions (WxDxH)	W-1,920mm x D- 90mm x H-1,060mm
Weight	425 kg

\* Max sheet size w/o CCD 600mmx400mm, Max sheet size with CCD 570mmx370mm



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# Duplo

## Packaging Solutions Range



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**UNLEASH  
CREATIVITY**

## Unleash your Creativity with Duplo's Packaging Solutions