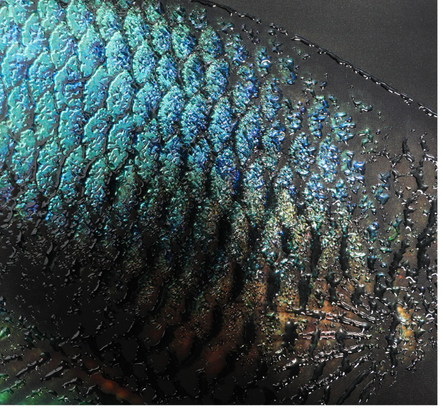

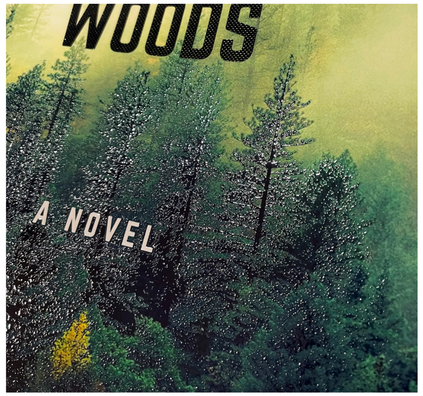

Duplo

SPECIFICATIONS

DDC-8000	
Paper Size	Width: 279mm to 585mm Length: 279mm to 1068mm
Paper Quality Art paper/Coated paper	157gsm - 600gsm OPP corona treated** laminate or printable PET laminate. No film running off the edge on the registration (non-operator) side. Maximum with curl 2mm
Printing Area	10mm from Top and bottom edge 30mm from Leading and Trailing edge
Printable Data	PDF: Only one type of the page size supports the multi size PDF. The page number of the multi page is 200 pages or less. If the PDF colour setting is created in CMYK, it can be decomposed by CMYK components. If it is created in RGB, it can be supported in only grayscale. (colour mode setting) TIFF: 600 dpi grayscale.
Print Correction Method	Automatic correction by reading the registration mark (print length, print width, skew, scaling, twist
Print Accuracy	Width ± 0.2mm (when using the real-time mode)
Print Thickness	10µm-40µm: Can be set every 5µm 40µm-80µm: Can be set every 10µm 10µm to 80µm depending on the paper quality. There are restrictions depending on the user usage enviroment and media conditions, and not all thicknesses are guaranteed. There is a limit to the processing speed depending on the print thickness. For details, refer to the item of processing speed.
Processing Speed	(Print thickess 20µm or less)
When Printing	SRA3: Upto 2280 sheets per hour B2: Upto 1530 sheets per hour
When Foiling*1	SRA3: Upto 810 sheets per hour B2: Upto 780 sheets per hour
Paper Feeding Method	Belt suction method, Multi suction belt feed system
Paper Feeding Reference	One-side reference (non-operator's side)
Paper Feed Tray Capacity	200mm
Rating	3 Phase 32Amp x2
Dimensions	W 6605mm x D 1654mm x H 1980mm (Ultimate model)
Net Weight	1328kg
Options	Surface Treatment Unit for DDC-8000 (STU) Cold Foil Unit for DDC-8000

OPTION: COLD FOIL UNIT FOR DDC-8000	
Foil Processing Range	Max width: 538mm Left and right margins of 30mm are required for printing. For a printing width of 50mm, the foil must be at least 70mm wide. Max length: 1008mm For paper whose width is less than 420mm, the margin at the trailing edge must be 60mm or more.
Paper Tube Size	Internal diameter: 76.2mm Inner diameter of the paper tube that can be set: 76.2 ± 0.2mm/3 ± 0.0078 inch Paper tube thickness: 7mm to 15mm Length: 50mm to 548mm*2 Effective width of the friction shaft to which the paper tube that can be set: 50mm to 550mm *Resin pipes cannot be used*
Input Air Pressure	0.5MPa (manual regulator adjustment range 0.7MPa or less)
Dimensions	W 741mm x D 1176mm x H 1546mm
Net Weight	436kg (including accessories)

OPTION: SURFACE TREATMENT UNIT FOR DDC-8000	
Terms of Use	Exhaust duct air volume: 700m³/hour*2 If the air volume cannot be secured, it is necessary to install an exhaust device.
Surface Modifiable Range	Max width: 585mm Max length: 1068mm
High Voltage Discharge Amount	Off, 200W - 1000W (in 100w increments, initial value: 400W)
Dimensions	W 600m x D 1654mm X H 1400mm
New Weight	409kg (including accessories)
Necessary Equipment	Appropriate ozone filter. Recommended ozone concentration less than 0.1ppm

*1 Speeds for foiling may vary depending on Application/Material and Consumables used.
*2 Product specifications and appearance are subject to change without notice for improvement.
** Surface tension is within 40-44 dyne/cm

The information on this data sheet only applies to Duplo international sales regions.

SMARTECH
Business Systems

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Ref: DDC8000/V2/2024

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Business Systems

Duplo

DUSENSE
DDC-8000

Power Your Future

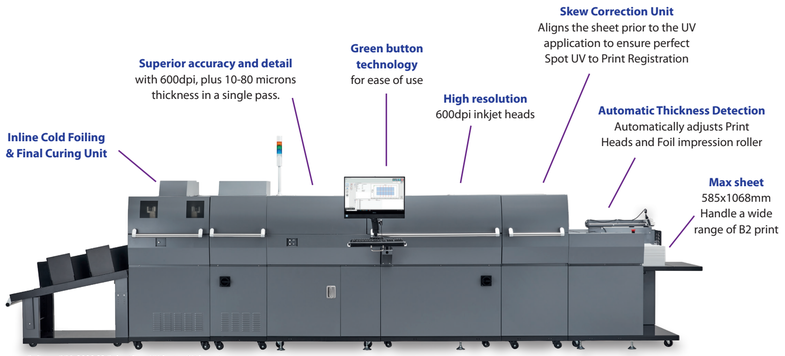
DUSENSE DDC-8000
HIGH PERFORMANCE
DIGITAL EMBELLISHMENT

Introducing the Duplo DuSense DDC-8000, the flagship B2 spot UV coater setting new standards in the industry.

This advanced system is designed to elevate your print offerings with premium, raised effects across a wide array of paper formats. Capable of producing highly desirable, high-value jobs that meet the demands of brands to engage their end-users.

The DDC-8000 supports sheets up to 585x1068mm and 600 gsm, giving you wider product flexibility. Its modular design allows for scalable investments, ensuring your business remains future proof. Achieve distinctive finishes with thicknesses ranging from 10 to 80 microns in a single pass and seamlessly integrate cold foil in-line, applying holographic, metallic, and matte foils without the need for lamination.

The system boasts automated job setup, barcode readers for precise operation, and user-friendly green button technology, all within a compact 6.6m footprint. With its automation, precision, and versatility, the DDC-8000 is the ideal solution for expanding your business with high-value print.



DuSense DDC-8000 B2 Raised Spot UV Coater (Ultimate)

SMARTECH
Business Systems

HIGH PRECISION AS STANDARD

Apply spot UV and foil to highlight even the finest details with incredible precision. The process begins in prepress by adding registration marks to both CMYK and spot layer files making it extremely user-friendly where operators can simply load and leave.

As each sheet is fed, the camera registration system reads the registration marks and automatically aligns the spot layer to the printed sheet with pinpoint accuracy. It also compensates for any shrinkage, stretch, and skew to produce the most accurate sheet-to-sheet registration in the market.

The new Automatic Thickness Detection feature allows the inkjet heads to adjust automatically to the optimum height for the best quality print results. Embellished sheets are instantly cured by the UV lamp for immediate handling and finishing.

HIGH CAPACITY FEED SYSTEM

Large sheet format of 585mm x 1068mm which does not restrict the end user to one particular press format. Plus, with an impressive max sheet weight of 600gsm allows media to be taken not just from a digital press but from a litho press, and the 200mm paper capacity allows for longer runs without stopping.

The DDC-8000 carries over Duplo's signature air suction belt feed system and features a higher feed capacity that not only accommodates larger and thicker paper sizes but is proven throughout the Duplo range to consistently reduce downtime.

COLD FOIL UNIT (OPTION)

Make your customers and their print marketing shine with foiled enhancements. The Cold Foil Inline Unit is an optional module that can be configured to your DDC-8000 to highlight images and graphics with metallic, holographic, and matte foils without having to pre-laminate the printed sheets.

The Cold Foil Inline Unit skips the lamination step along with the labour and cost involved in the process. It also eliminates the waiting around for stamping dies. Cold foiling is a digital process that does not require heat, instead relying on UV lamp curing and polymer-based foil rolls.

Increase your profitability with excellent foiling results, even with intricate details on substrates up to 600gsn. Opening the door to more high-value and premium applications such as packaging, sleeves, book jackets, business cards, and so much more.

MODULAR DESIGN

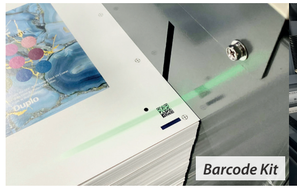
Modular design so that you scale as you grow.


Essential *- Raised Spot UV Coater*


PRO *- Raised Spot UV Coater with Surface Treatment Unit*

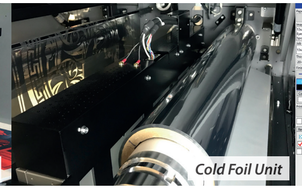

Foil *- Raised Spot UV Coater with Cold Foil Unit*

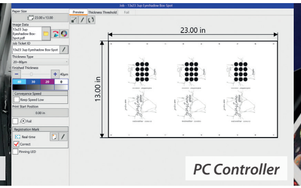

Ultimate *- Raised Spot UV Coater with Surface Treatment and Cold Foil Units*


Barcode Kit


Surface Treatment Unit


B2 Feeder


Cold Foil Unit



PC Controller


DuSense Delivery

BARCODE KIT

The DDC-8000 comes standard with the Variable Image Barcode Kit, providing variable capabilities for images and text. The barcode kit reads the barcode printed on each sheet and the PC Controller software automatically searches the list of stored jobs for the matching file. Within seconds, the pre-ripped spot layer file is loaded on the PC and begins to process without any operator intervention required.

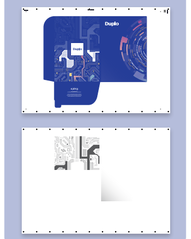
SURFACE TREATMENT UNIT (STU)

Duplo offers formulated varnishes that are compatible with output produced by offset presses and digital presses from Canon, HP, Konica Minolta, Ricoh, and Xerox. Our varnish is delivered in 3-liter cartridges and it also performs on laminated stock.

DDC-8000 WORKFLOW

1 Design your artwork in CMYK and the spot UV layer in Black and White.

2 Apply imposition and registration marks to both files. Send the imposed CMYK file to your digital press then load the printed sheets on the DDC-8000 feed tray.



3 The DDC-8000 reads the registration marks and accurately applies the varnish. If the cold foil unit has been installed, foil can be applied to areas that have been spot UV coated.

4 Ready for finishing. Output is cured and dried for immediate handling.

Explore our connectivity tools

ACHIEVE A WIDE ARRAY OF EMBELLISHMENT EFFECTS

Dusense HoloEmboss
Dusense Foil
Dusense Multi Layers
Dusense VDP
Dusense Glitter
Dusense Metalfx
Dusense Spot Gloss
Dusense Spot Matt