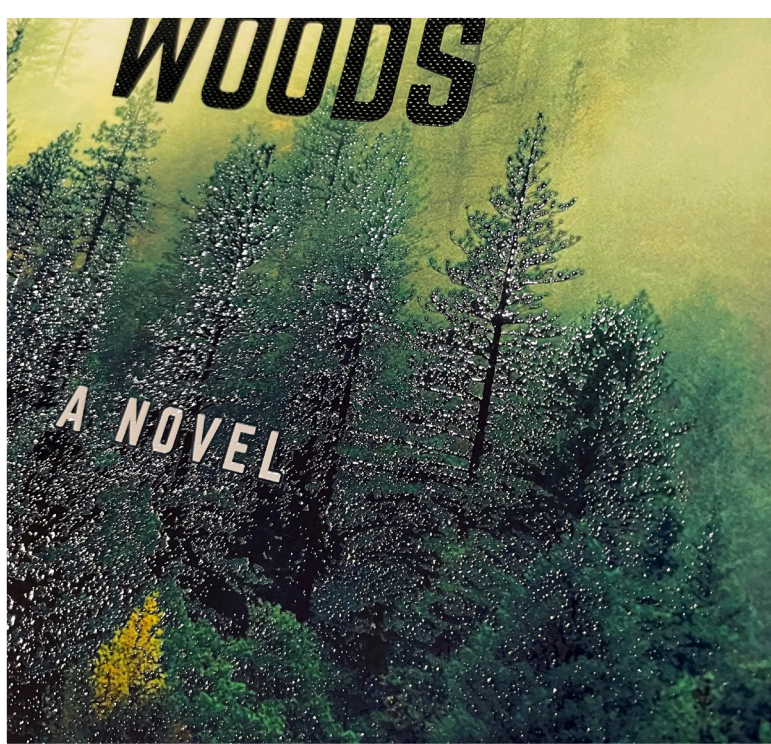
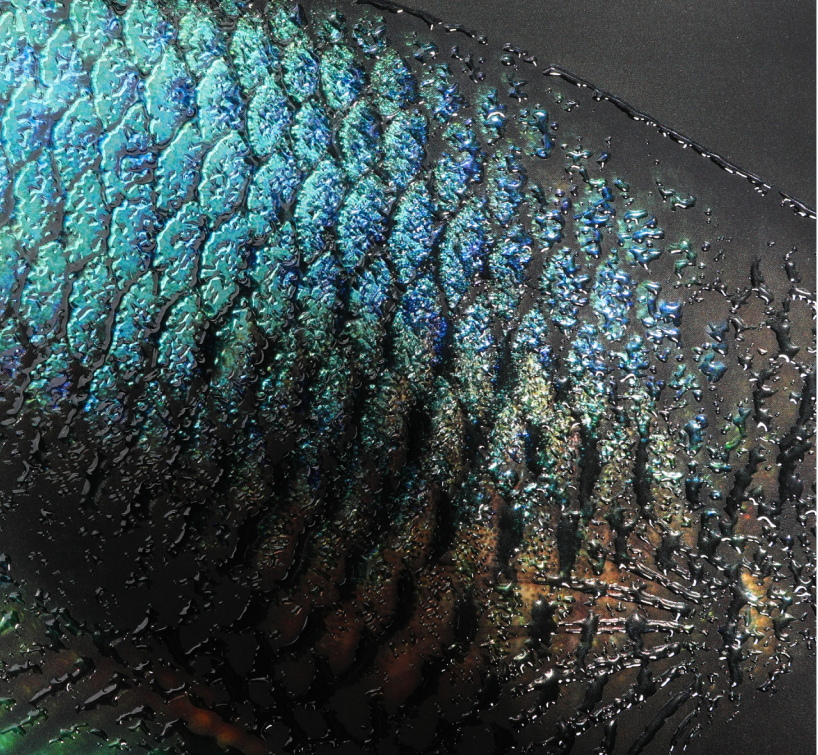




Duplo

SPECIFICATIONS

DDC-8000	
Paper Size	Width: 279mm to 585mm Length: 279mm to 1068mm
Paper Quality	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
Art paper/Coated paper	
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 $\pm 0.2\text{mm}$ (when using the real-time mode)
Print Thickness	10 μm -40 μm : Can be set every 5 μm 40 μm -80 μm : Can be set every 10 μm 10 μm to 80 μm depending on the paper quality. There are restrictions depending on the user usage environment 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 thickness 20 μm or less)
When Printing	SRA3: Upto 2280 sheets per hour B2: Upto 1530 sheets per hour
When Foiling*1	SRA3: Upto 1740 sheets per hour B2: Upto 1500 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: 1048mm For paper whose width is less than 420mm, the margin at the trailing edge must be 60mm or more. Internal diameter: 76.2mm Inner diameter of the paper tube that can be set: 76.2 $\pm$ 0.2mm/3 $\pm$ 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 <i>Resin pipes cannot be used</i>
Paper Tube Size	
Print thickness when foiling	20 - 40 micron recommended
Dimensions	W 741mm x D 1176mm x H 2036mm
Net Weight	511kg (including accessories)

OPTION: SURFACE TREATMENT UNIT FOR DDC-8000

Terms of Use	Exhaust duct air volume: 700m ³ /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.

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Duplo is a trade mark of the Duplo International Limited.
Duplo has a policy of continuous improvement and reserves the right to amend the above specification without prior notice.
Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions.

Ref: DDC8000X/V1/2025

Agility. The Smart Advantage

DUSENSE DDC-8000 ADJILITY. THE SMART ADVANTAGE

In today's fast-moving market, adaptability isn't just an advantage - it's a necessity.

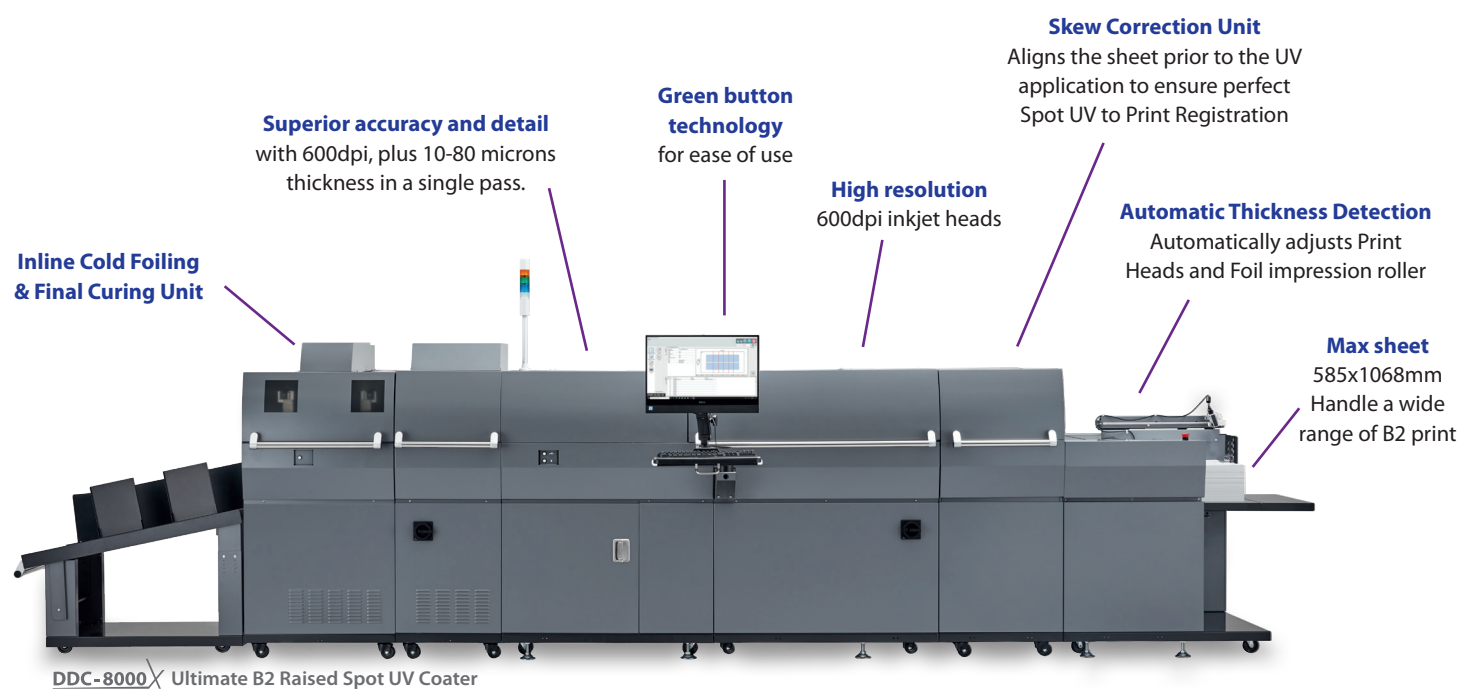
That's why in-house embellishment is more than just a print enhancement; it's a strategic evolution. By bringing embellishment capabilities in-house, you're not only expanding your creative toolkit, you're strengthening customer loyalty, unlocking multiple new revenue streams, and future-proofing your business.

When embraced as a core part of your strategy, in-house embellishment gives your business the agility to respond faster, the resilience to navigate challenges, and the differentiation to stand out as the go-to print service provider in a competitive market.

Engineered for speed, built for high-value output, and backed by full support, the DDC-8000 simplifies complexity through intelligent automation. Its modular design grows with your business, letting you scale your capabilities on your terms.

With an investment much lower than you'd thought it might be, you can say yes more often, attract new customers and you become the outsourced solution for others.

This isn't just a creative upgrade. **It's a smart investment in the future of your business.**



HIGH PRECISION AS STANDARD

Apply spot UV and foil with exceptional precision to make even the finest details stand out. The process starts in prepress, where registration marks are added to both the CMYK and spot layers, keeping setup simple and intuitive for the operator. Once the job is loaded, the DDC-8000 takes care of the rest.

As each sheet is fed, the advanced camera registration system reads the marks and automatically aligns the spot layer to the printed image with pinpoint accuracy. It intelligently compensates for shrinkage, stretch, or skew, delivering consistently perfect registration from the first sheet to the last.

The Automatic Thickness Detection feature automatically sets the inkjet heads to the optimal height for each job, ensuring outstanding quality without manual adjustment. Embellished sheets are instantly cured by the UV lamp, ready for immediate handling and finishing.

HIGH CAPACITY FEED SYSTEM

The DDC-8000 supports a large sheet format of 585 mm x 1068 mm, giving you the freedom to work across a variety of press types without being restricted to a single format. With an impressive maximum sheet weight of 600 gsm, the system easily handles media from both digital and litho presses. Its 200 mm paper capacity enables longer, uninterrupted runs, helping you maximise productivity.

Carrying forward Duplo's proven air suction belt feed system, the DDC-8000 offers reliable, precise feeding with minimal operator intervention. The higher feed capacity is designed to handle larger and thicker paper sizes effortlessly, while maintaining the consistency and uptime that Duplo technology is known for.

COLD FOIL UNIT (OPTION)

Bring brilliance and impact to your customers' print with foiled highlights that command attention. The Cold Foil Inline Unit is an optional module for the DDC-8000 that allows you to apply metallic and matte foils directly to images and graphics without the need for pre-lamination.

By removing the lamination step, along with the labour, cost, and waiting time associated with stamping dies, the DDC-8000 gives you faster turnaround and greater production efficiency. The cold foiling process is fully digital, using UV lamp curing and polymer-based foil rolls to deliver premium results without heat or added complexity.

Achieve exceptional foil definition and tactile depth as thin as 20 microns for delicate detailing or up to 40 microns for bold, textured embellishments. This flexibility opens new opportunities for high-value applications such as packaging, sleeves, book jackets, business cards, and more. With the DDC-8000, you can bring more of this profitable work in-house, strengthen your competitive edge, and keep your business ready for the future.

MODULAR DESIGN

Modular design so that you scale as you grow.



DDC-8000 Essential - Raised Spot UV Coater



DDC-8000 PRO - Raised Spot UV Coater with Surface Treatment Unit



DDC-8000 Foil - Raised Spot UV Coater with Cold Foil Unit



DDC-8000 Ultimate - Raised Spot UV Coater with Surface Treatment and Cold Foil Units



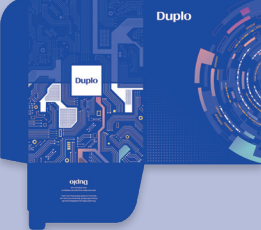
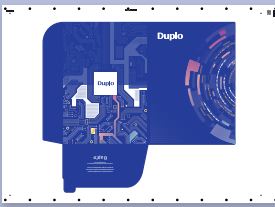
BARCODE KIT

The DDC-8000 comes standard with the Variable Image Barcode Kit, giving you the agility to manage even complex, variable jobs with ease. Designed for smart, automated operation, the barcode system reads each sheet and instantly identifies the corresponding file. The PC Controller software then locates and loads the pre-ripped spot layer within seconds, allowing production to begin automatically. No manual setup, no delay – just intelligent automation that keeps your workflow fast, accurate, and fully in your control.

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.

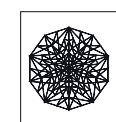
DDC-8000 WORKFLOW

- 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



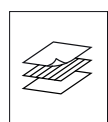
ACHIEVE A WIDE ARRAY OF EMBELLISHMENT EFFECTS



Dusenese HoloEmboss



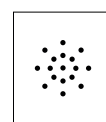
Dusenese Foil



Dusenese Multi Layers



Dusenese VDP



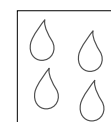
Dusenese Glitter



Dusenese Metalfx



Dusenese Spot Gloss



Dusenese Spot Matt