

# DC-746

## VERSATILE PRODUCTION MULTIFINISHER

VERSATILE MULTI-FUNCTION FINISHING  
FOR HIGH VOLUME DIGITAL COLOUR PRINT

**Up to 10 slits, 25 cuts and 20 creases in a single pass**

**Up to 50 sheets per minute**

**Fully automated and precise setup**

**Easy to use PC Controller**

**Versatile modules**

**End Trim Air Blade**

*Business cards, Postcards, Leaflets, Greeting cards, CD & DVD inserts and sleeves, Photo book pages,  
Direct mail, Promotional advertising, T & L shaped perforated tickets, Clothing tags, Boxes*



The DC-746 Slitter, Cutter, Creaser is the latest addition to Duplo's innovative DC-range. The DC-746 is Duplo's most powerful multi-functional finishing solution for the high volume digital colour print environment to date.

With the speed and automation of its predecessor, the DC-745, and the versatility of the DC-646Pro, the DC-746 provides digital printers and finishers with a fully automated system that eliminates the threat of downtime. The DC-746 also features Duplo's End Trim Air Blade to help minimize feeding errors.

Duplo's Job Creator Software now allows the operator to create PDF templates which include barcode and image recognition marks at the touch of a button.



#### PC Controller

The PC controller provides the operator with multiple means for managing the system, starting with a graphical programming tool that allows rapid job creation, editing and storage. Saved jobs and job history can be recalled for review, while preferred settings and defaults can be chosen to minimise operator set-up time. Duplo's Job Creator software enables the operator to export PDF templates at the touch of a button.

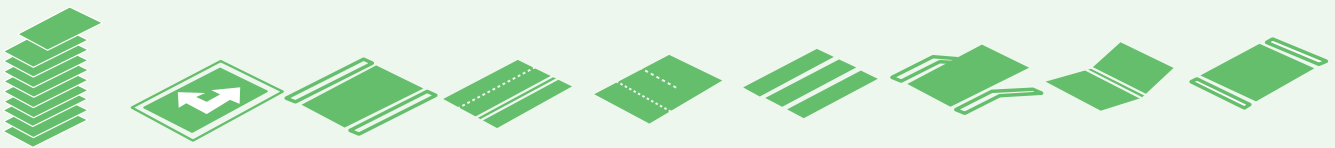


#### Air Management System

Digitally printed media is often deformed and loaded with static, even days after printing. The DC-746 uses a combination of multiple air vents to lift and separate the sheets from the top of a 150mm depth high capacity unit, reducing risk of image damage and allowing an operator to engage in other tasks while the machine is running.

The top sheet is picked up and fed by vacuum using a super wide feed head, registering to a side lay that is adjustable for image skew.

Feeding ▶ Barcode and image recognition ▶ Margin slitting ▶ Rotary perforation/scoring ▶ Cross perforation/scoring ▶ 4 centre slitters ▶ Gutter deflectors ▶ Creasing ▶ Cutting



Loading Tray



Versatile modules

### Fully automated setup

The DC-746 is simple to operate and can be left running unattended. Job setup can be automated by using the CCD camera to recognise a barcode from the sheet, uploading the required finishing settings from memory and positioning all tooling to enable changeovers in less than 20 seconds.



### Image recognition

The true image position on the sheet can be read and any adjustments made instantly. This proven feature has been extended in the DC-746 to suit a broad range of print requirements, including:

- Read and adjust for every sheet
- Read and adjust for first sheet
- Check image and adjust if movement is outside the desired tolerance
- Check image every 'x' number of sheets



### Multi-functional

The DC-746 enables slitting, cutting, creasing and perforating in one pass. The standard multi-function tooling allows up to 6 slits as standard through the length of the sheet, 25 cross-cuts and 20 creases. Typically, 25 simple business cards or 21 business cards with full image bleed can be laid out on an SRA3 sheet.



### End Trim Air Blade

The DC-746 features the End Trim Air Blade for efficient removal of static end trim waste which minimizes feeding errors.



### Versatile modules

To further extend the versatility of the DC-746, three optional modules can be placed into any of four slots to meet the requirements of more complex jobs that previously required additional finishing equipment or meant compromising on application design and creativity.



### Slitting Module

The DC-746 includes three modules each with a pair of independently controlled slitting tools as standard. One or two further modules can be added to increase the maximum number of slits in one pass to ten.



### Rotary Tool Module

Offers two independently controlled tools which allow users to easily switch between combinations of scoring, perforating (15tpi), micro-perforating and slit-scoring (partial slitting for card stock). One or two further modules can be added.



### Cross Tool Module

Offers an independently controlled tool to preforate, cross-perforate or score across the width of the sheet, perpendicular to that created by the Rotary Tool Module. The tool can be programmed to start and stop the operation at any point across the sheet.

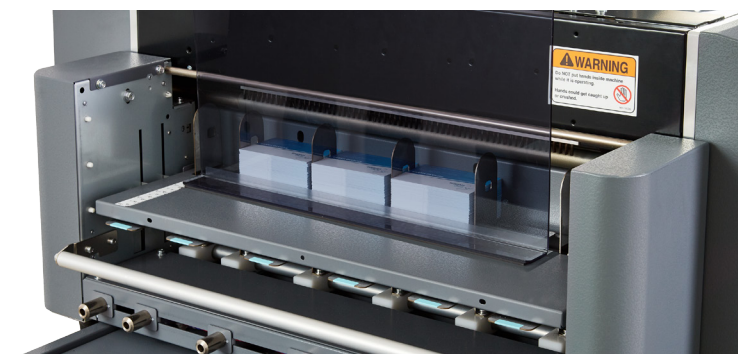


### Operator Workstation

For operator comfort and convenience, a dedicated PC can be attached to the system with mounting provided for a screen, keyboard and mouse, or laptop, as desired.



End Trim Air Blade



Card Stacker

# Specifications

<b>Speeds (A4, 4 trim + crease) typical speeds per SRA3</b>	Max. 50 ppm with CCD Off 1 x Leaflet = 35 4 x Greetings cards = 30 8 x Postcards = 24 21 x Business cards = 18
<b>Operation</b>	Multi-language Windows-based PC controller (PC not supplied), and Control Panel
<b>Job memories</b>	80 (plus capacity of PC)
<b>Automated set-up</b>	From barcode
<b>Feeder</b>	Capacity 150 mm Air knife plus vacuum separation, Skew adjustment
<b>In-feed paper size</b>	Min: 210mm x 210mm Max: 370mm x 670mm* *999.9mm via control panel
<b>Finished size</b>	Min: 48mm x 50mm Max: 370mm x 670mm* *999.9mm via control panel
<b>Paper weight</b>	Min: 110gsm Max: 350gsm* * Laminated/UV coated stock: within the above range including lamination/coated layer
<b>Receiving tray</b>	Capacity 150 mm
<b>Card stacker</b>	Capacity 90 mm
<b>Media for stacker</b>	Width 48 to 370 mm Length 49 to 670 mm
<b>Machine dimensions</b>	Width: 3040mm Depth: 870mm Height: 1730mm (with PC)
<b>Power</b>	DC-746: 230VAC 50/60Hz 2.7A 550W
<b>Weight</b>	555 Kg
<b>Slits (length of sheet)</b>	Six (standard) (10 with options fitted)

<b>Slitter details</b>	Side margin 3.2 - 55 mm Minimum piece 48 mm Accuracy +/- 0.2 mm Gutters 5 - 15 mm >15mm delivers to stacker
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<b>Cutter (cross-knife)</b>	Max. 25 cuts per sheet
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<b>Cutter details</b>	Minimum length 49 mm Lead margin 3 mm Gutter margin 3 mm Trail margin 5 mm Accuracy +/- 0.2 mm
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<b>Creases</b>	Max. 20 per sheet
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<b>Crease depth adjustment</b>	Automatic in 3 steps
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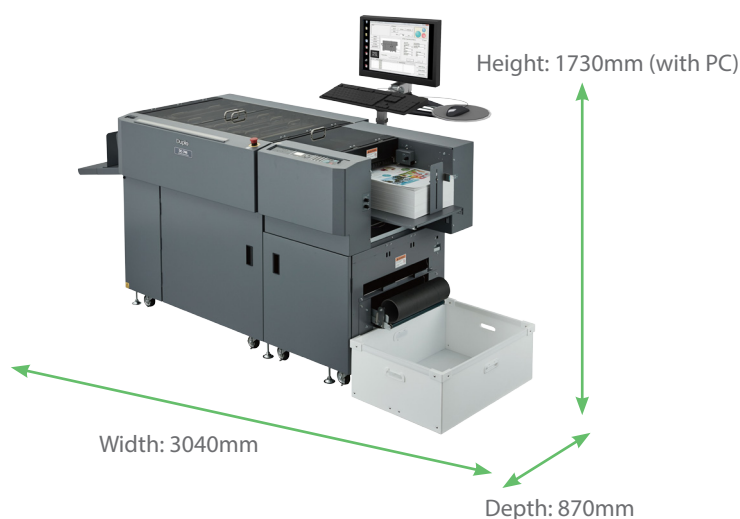
## Options

<b>Slitter module</b>	Two Slitter tools
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<b>Rotary tool module</b>	Two tools
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<b>Cross tool module</b>	Perforation tool 15tpi: 110-350gsm Micro-perforation tool 25tpi: 110-180gsm Slit-score tool: 270-350gsm
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<b>Operator workstation</b>	Mounts to rear of machine. Flat monitor attaches with standard VESA mount
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**Duplo International Limited**  
Automated Precision House  
Hamm Moor Lane  
Addlestone  
Surrey KT15 2SD

Tel +44(0) 1932 263 900 - Fax +44(0) 1932 263 901  
info@duplointernational.com  
www.duplointernational.com

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