

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.

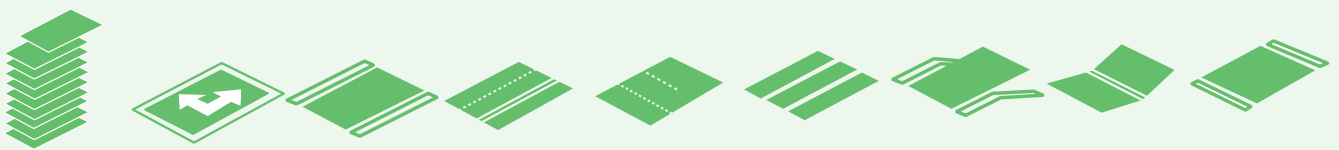


Air Management System

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 defectors ► 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.

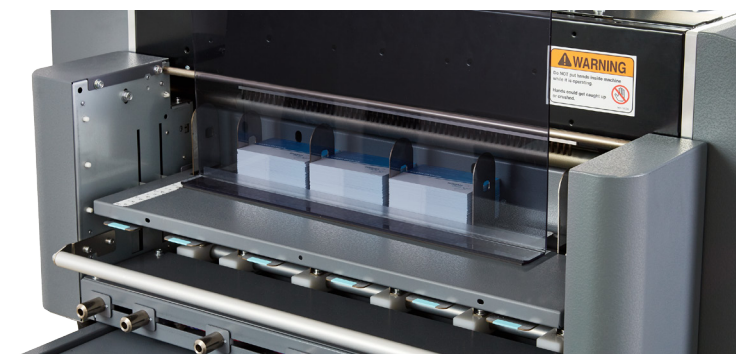


Operator Workstation

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

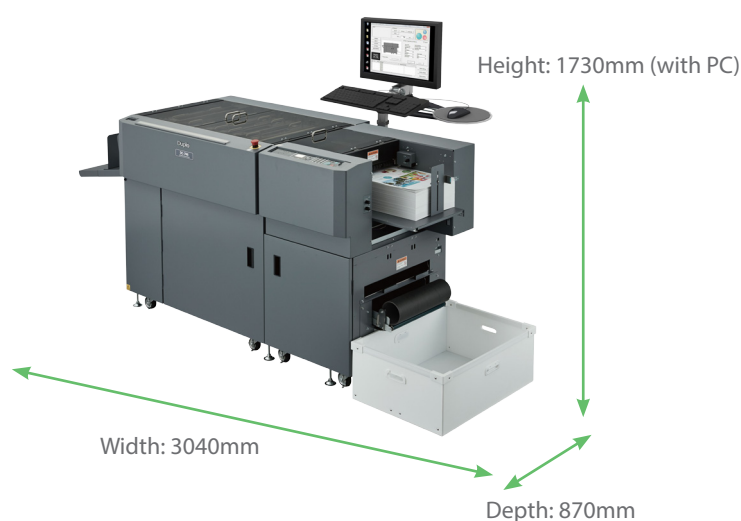
Specifications

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

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

Options

Slitter module	Two Slitter tools
Rotary tool module	Two tools
Cross tool module	Perforation tool 15tpi: 110-350gsm Micro-perforation tool 25tpi: 110-180gsm Slit-score tool: 270-350gsm
Operator workstation	Mounts to rear of machine. Flat monitor attaches with standard VESA mount



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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