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
Speed with Image Shift Compensation	40 to 50 ppm Every sheet First sheet only Every "x" sheets If shift > "x" mm
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	Width 210 - 370 mm Length 210 - 650 mm 999mm via control panel
Finished Size	Width 48 - 370 mm Length 49 - 650 mm 999mm via control panel
Paper Weight	110 - 350 gsm 130 - 350 gsm when additional gutter deflectors added
Receiving Tray	Capacity 150 mm
Automatic Dropping Stacker	Capacity 90 mm
Media for Stacker	Width 48 to 370 mm Length 49 to 150 mm
Machine Dimensions	Width 2300 mm Depth 875 mm Height 1120 mm (+ PC) (can split for delivery)
Required footprint	2800 mm x 1700 mm
Power	230VAC 50Hz 3.2A 660W
Weight	450 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. 20 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. 15 per sheet
Crease Depth Adjustment	Automatic in 3 steps

Options

Slitter Module	Two Slitter tools (Max. two modules per machine)
Gutter Deflectors	One usually required when more Slitter Modules fitted
Rotary Tool Module	Two tools (Max. two modules per machine), min. distance 48 mm
Perforation 15 tpi **Micro-perforation 25 tpi** **Scoring** **Slit-scoring**	110 - 350 gsm 110 - 180 gsm 110 - 350 gsm 250 - 350 gsm (Two of each supplied
Cross-Perforation Module	Max. one module per machine, Maximum 15 per sheet (Two blades supplied 15 tpi)
Operator Workstation	Mounts to rear of machine. Flat monitor attaches with standard VESA mount

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Duplo®
from print to documents

DC-745
PRODUCTION COLOUR FINISHER

MULTI -FUNCTION FINISHING SOLUTION FOR HIGH VOLUME DIGITAL COLOUR PRINT

Fast and accurate setup
Cut, crease, perforate in one pass
Customer configurable options

Business cards, Greetings cards, Photo book pages, CD & DVD inserts, Tear-off coupons, Direct mail

The DC-745 Slitter/Cutter/Creaser is Duplo's most powerful multi-function finishing solution for digital colour print, being the ideal companion for mid to high volume production digital presses.

Developed from the DC-645 model to make a significant step forward in delivering increased productivity and versatility; not only processing jobs faster, but also finishing a wider range of applications in a single pass.

Now you can produce innovative, full bleed applications, even more quickly and accurately. The combination of PC control, integrated image recognition and motorised tooling delivers in the DC-745 what we call "AUTOMATED PRECISION".

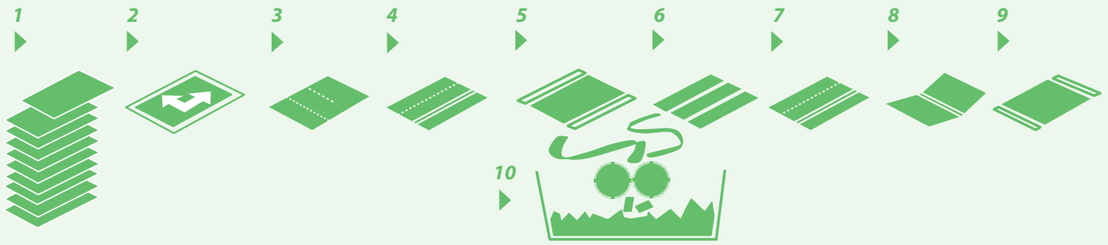
A PC controller provides the operator with multiple means for managing the system, starting with a graphical programming tool that allows rapid job creation, editing and storage. Saved jobs and Job History can be recalled for review, while preferred settings and defaults can be chosen to minimise operator set-up time.

AMS air management system

Digitally printed media is often deformed and loaded with static, even days after printing and the DC-745 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 runs.

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.

1 : Sheet feeding, air separation and vacuum feeding from the top of the stack
2 : Job recognition from barcode and image recognition with automatic position adjustment
3 : Perforation, partial and full cross-sheet
4 : Perforation, Micro-perforation, Scoring or Slit-scoring
5 : Side margins slit from sheet
6 : Up to four more slits through the sheets, dividing cards or removing gutters
Up to 8 slits with additional options
7 : Perforation, Micro-perforation, Scoring or Slit-scoring
8 : Creasing with matrix rule across the sheet
9 : Cross-cutting
10 : Shredding waste



Job set-up 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.

In addition, the true image position on the sheet can be read and any adjustments made instantly. This proven feature has been extended in the DC-745 to suit a broad range of print requirements, including:

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

These innovative functions allow jobs to be processed with great accuracy and absolute minimal possible wastage at more than 40 sheets per minute up to full speed of 50 sheets per minute.

Standard multi-function tooling allows up to six slits through the length of the sheet, 20 cross-cuts and 15 creases. Typically, 25 simple business cards or 24 business cards with full image bleed can be laid out on an SRA3 sheet.

Waste from the sheet passes through another knife system that cuts and compacts into a bin below the machine to allow longer runs between unloading.

Also, with an eye on enabling longer runs without operator attention, large finished products stack on a deep receiving tray.

Small items (such as business cards and postcards) can be delivered into a motorised stacker to provide neat and organised collection.

To further extend the versatility of the DC-745, a variety of optional modules are available 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 basic DC-745 includes three modules each with a pair of independently controlled slitting tools. One or two further modules can be added to increase the maximum number of slits in one pass to ten. Additional gutter waste deflector tools may also be required to divert waste to the bin.

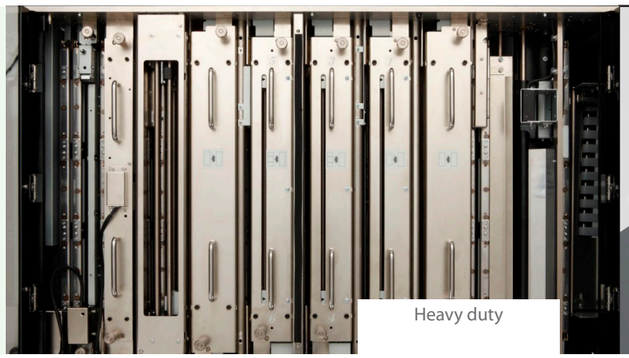
Rotary Tool Module
Offers two independently controlled tools which allow users to easily switch between combinations of scoring, perforating (17tpi), micro-perforating and slit-scoring (partial slitting for card stock). One or two further modules can be added.

Cross-Perforating Module
Creates a perforation of 17tpi across the width of the sheet, perpendicular to that created by the Rotary Tool Module. Users can customize the rule to partially perforate selected areas up to 15 times on one sheet. One module can be added, plus either a Slitter or Rotary Tool Module.

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

The **ULTIMATE** all-in-one finishing solution with **AUTOMATED PRECISION**


Removeable modules


Heavy duty


Receiving tray

Stacking