DC-745 Slitter / Cutter / Creaser

Duplo
from print to documents

DC-745
Slitter / Cutter / Creaser

SPECIFICATIONS

Feeder Capacity	150 mm (5.9")	
In-Feed Paper Size	Width	210 - 370 mm (8.26" x 14.56")
	Length	210 - 650 mm (8.26" x 25.6")
Finished Size	Minimum (WxL)	48 mm x 50 mm / 1.89" x 1.97"
	Maximum (WxL)	370 mm x 650 mm / 14.56" x 25.6" (up to 39.3" (999 mm) length can be programmed and processed using the control panel)
Paper Weight	110 - 350 gsm / 80 lb. text - 130 lb. cover (127 - 350 gsm when optional deflector module is installed)	
Speed (3-Step Setting)	50 ppm (A4 SEF, lead/trim 10 mm, center crease) 40 ppm when using CCD	
Image Shift Compensation	Reading modes: every sheet, every "x" sheet, adjust over "x" mm shift only, first sheet only	
Tolerance	±0.2 mm	
Slits	6 standard slitter tools (2 margin slitters, 4 center slitters) 2 optional slitter modules (each module carries 2 slitter tools) can be installed for a maximum of 10 slits	
Cuts	Maximum 20 cuts per sheet	
Creases	Maximum 15 creases per sheet	
Crease Depth Adjustment	3 steps (from control panel)	
Exit Tray Capacity	150 mm (5.9")	
Card Stacker (Standard)	Type	Elevator-automatically lowers as finished pieces are delivered
	Capacity	90 mm (3.54")
	Stackable card size	Width: 48 - 370 mm (1.89" x 14.56")
		Length: 50 - 150 mm (1.97" x 5.9")
Standard Features	80 job memory in main unit; test feed (1 sheet); air knife; side blow; feed skew adjustment; ultrasonic double-feed detection; automatic job recall via barcode reading; image drift compensation via registration mark reading; reject; card stacker; waste chopper; waste box; emergency stop switch; cleaning mode; PC controller software	
Options	Rotary tool module (includes 2 each of perf, micro perf, score, slit-score); slitter module (2 independent sets of slitters each, additional gutter deflectors required); cross perf module* (requires motor kit); deflectors module; strike-perf; IFS	
Power Consumption	115V: 5.5A 670W, 60Hz 230V: 3.2A 660W, 50/60Hz	
Dimensions (WxDxH)	In use: 2300 mm x 875 mm x 1120 mm / 90" x 34" x 44"	
Required Footprint (WxDxH)	2820 mm x 1700 mm x 1620 mm / 111" x 66" x 63"	
Weight	992 lbs. / 450 kg	

As part of our continuous product improvement program, specifications and descriptions are subject to change without notice.

Duplo

The **U**ltimate All-in-One
Digital Color Finisher

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The *U*ltimate All-in-One
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The DC-745 Slitter/Cutter/Creaser is Duplo's most powerful all-in-one digital color finishing solution. Taking the success of the popular DC-645 model to the next level, the DC-745 is the ideal companion for mid to high volume production digital printers. Offering greater speed, productivity, and versatility, the DC-745 not only processes jobs faster but also finishes a wider range of digitally-printed applications in a single pass.

Performing up to 10 slits, 20 cuts, and 15 creases all in one pass, this digital color finisher eliminates white borders and toner cracking on fold lines, producing professionally finished documents in a matter of minutes. The DC-745 comes loaded with new features, including a higher feed capacity and a PC Controller for easy job setup, as well as offers a range of optional modules for scoring and perforating enabling users to go beyond basic finishing. Now you can create innovative, full-bleed applications including business cards, brochures, greeting cards, postcards, and much, much more!
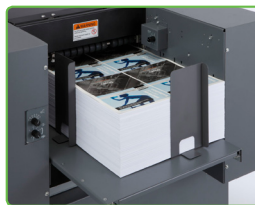
High Speed

With the digital print market growing daily, print service providers are experiencing that while their short-run jobs are increasing, the quantities per order are shrinking. Providers need to deliver in faster turnaround times while generating higher revenues and profits, and the need for high speed and quick changeovers are more important now than ever in today's on demand environment. Designed to do just that, the DC-745 Slitter/Cutter/Creaser:

• Finishes jobs at fast speeds of up to 50 sheets per minute.
• Reads and processes barcodes and registration marks at up to 40 sheets per minute.
• Uses the barcode reader to automatically recall preset jobs, set up the system, and read the registration mark to adjust for the sheet-by-sheet image shift, finishing each piece accurately every time.
• Can store and recall an infinite number of jobs when using the standard PC Controller, enabling users to perform changeovers in less than 20 seconds.

High Productivity

Among the key features of the DC-745 are its increased feed capacity and improved feeding system. An almost 6-inch capacity on both the feeding and receiving ends enables users to run jobs continuously with minimal reloading and unloading required. Sheets are fed with Duplo-patented technology using 12 feed belts to ensure consistency and 10 registration belts to help maintain the sheets aligned parallel to the paper path. Also new to the DC-745:

• Elevator Stacker – Ideal for smaller documents, such as business cards and postcards, this 3.5-inch capacity stacker automatically lowers as the finished pieces are delivered, keeping them neatly stacked and organized. The elevator stacker holds pieces as small as 2" x 2" and is easily removed to accommodate larger documents.

• Waste Chopper – To prevent the waste bin from filling up prematurely, the waste chopper cuts down the margins and gutters into even smaller pieces reducing downtime even further.

Ease of Use

The DC-745 comes included with the PC Controller software package, which allows users to operate the system from a PC via USB interface. By using the wizard, operators can create new jobs, make adjustments, and save an unlimited number of jobs on the hard drive for quick and easy recall. The PC Controller drives any function of the DC-745 such as start/stop, processing tests, and setting the counter.

High Versatility

The versatility of the DC-745 has been truly extended with a variety of new optional scoring and perforating modules, making it possible to quickly enhance its capabilities. The DC-745 provides two areas where operators can mix and match any two optional modules to meet the requirements of more complex jobs. It is this type of high versatility that enables users to truly get creative with their designs and expand their product offerings. Add any of the following options and the DC-745 becomes the single most versatile finishing solution.

Optional Modules*
• The Rotary Tool Module offers two independently adjustable rotary tool slots, which allow users to easily switch between scoring, perforating, micro-perforating, and slit-scoring while using the same module.
• The Cross-Perforating Module* adds a perforation across the width of the sheet, perpendicular to the paper path. Each blade can be customized to perforate only certain parts of the sheet.
• The Strike-Perforating Module* allows operators to specify where the wheels are to activate and de-activate. Combining this with the cross-perforating module allows users to produce a "T" or "L" shape perforation in-line.
• Additional Slitting Modules. Each slitting module has two independent sets of slitters. When installing two optional slitting modules at a time, users can process a maximum of 10 slits [6 standard slitters + 2 slitters (optional slit module 1) + 2 slitters (optional slit module 2)]. Additional gutter deflectors are required.

• The DC-745 is also configurable with Duplo's Integrated Folding System (IFS). Combining this in-line knife folder with the optional Rotary Tool Module in the DC-745 creates the ultimate all-in-one finishing solution that slits, cuts, creases, scores, perforates, slit-scores, micro-perfs, and folds...all in a single pass!

In addition to finishing business cards, postcards, and brochures, with the use of optional scoring and perforating modules, the DC-745 can produce a wider array of full-bleed, digitally-printed applications.

Unique Applications
• 24-up full-bleed business cards (with no additional module required)
• "L" perforated business card within a postcard*
• Slit-score greeting cards (for perfect lay-flat qualities)
• Direct mail pieces with "T" or "L" perforated reply cards*
• Micro-perforated coupons
• Event tickets (with multiple perfs)
• 2" x 2" mini cards for clothing tags and more
• Accordion cards (with up to 15 creases)

*The **DC-745 Slitter/Cutter/Creaser** is the ultimate all-in-one finishing machine for the on-demand market. Its standard capabilities allow print service providers to finish an array of applications and by combining the optional modules available, the possibilities of finished products are truly endless.*

2-up 5-panel Accordion Card on 12" x 18" Application Workflow

finished pieces ← tear-away coupon or repy card ← slit, cut, crease, strike perf, and cross perf in one pass ← sample application

DC-745 Sample Applications

4-up Postcards on 12" x 18" with L-Shape Perforated Business Cards

finished pieces

2-up Flyers on 12" x 18" with T-shape Perforated Cards

finished pieces

24-up Full-Bleed Business Cards on 12" x 18"

finished pieces