DC-646 Slitter / Cutter / Creaser / Folder

Duplo

from print to documents

DC-646

Slitter / Cutter / Creaser / Folder

SPECIFICATIONS

Feeder Capacity	3.9" (100 mm)	
In-Feed Paper Size	Width	8.26" x 14.56" (210 - 370 mm)
	Length	8.26" x 26.37" (210 - 670 mm)
Finished Size	Minimum (WxL)	1.89" x 1.97" / 48 mm x 50 mm
Paper Weight	110 - 350 gsm / 80 lb. text - 130 lb. cover	
Speed (3-Step Setting)	30 ppm (A4 SEF, lead/trim 10 mm, center crease) 22 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) Optional slitter modules (each module carries 2 slitter tools) can be installed for a maximum of 8 slits	
Cuts	Maximum 25 cuts per sheet	
Creases	Maximum 20 creases per sheet	
Crease Depth Adjustment	3 steps (from control panel)	
Exit Tray Capacity	5.9" (150 mm)	
Card Stacker (Standard)	Type	Stacker
	Capacity	3.54" (90 mm)
	Stackable card size	Width: 1.89" x 14.56" (48 - 370 mm) Length: 1.97" x 7.87" (50 - 200 mm)
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; on-the-fly rejection; card stacker; 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); Cross perforating module (all modules require PCB kit); 48" Long Conveyor Stacker; Integrated Folding System (IFS)* *(* Available Q2 2014)*	
Power Consumption	115V: 5.5A 670W, 60Hz	
Dimensions (WxDxH)	In use: 90" x 34" x 44" / 2300 mm x 875 mm x 1120 mm	
Required Footprint (WxDxH)	69" x 35" x 53" / 1760 mm x 880 mm x 1335 mm	
Weight	Gross	760 lbs./ 345 kg
	Net	617 lbs./ 280 kg

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

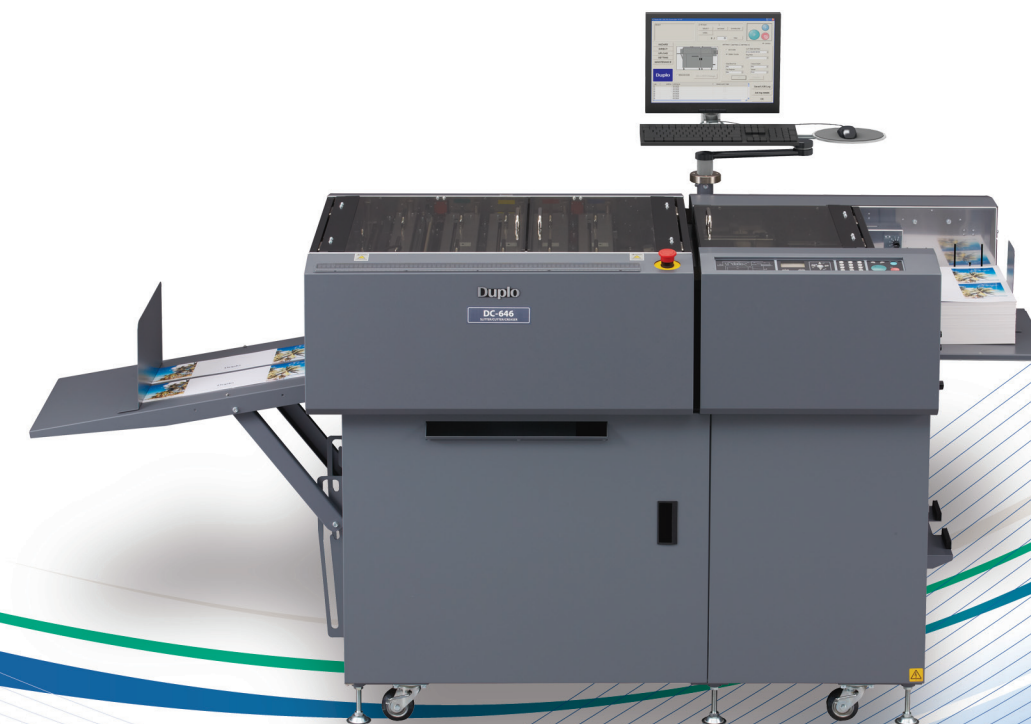*DC-646 with optional Long Conveyor Stacker*

DC-646 Integrated Folding System*
* Available Q2 2014

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Versatile, High Performance All-In-One Finishing for Digital Color Documents

Versatile, High Performance All-In-One Finishing for Digital Color Documents

The DC-646 Slitter/Cutter/Creaser is Duplo's versatile digital color finisher providing printers the ability to create a multitude of unique full-bleed applications with more efficiency and flexibility. Performing up to 8 slits, 25 cuts and 20 creases in a single pass, the DC-646 eliminates white borders and prevents toner cracking on fold lines up to 30 sheets per minute and also offers optional rotary tool and cross perforating modules, both with strike perforating capabilities, for increased versatility. With the DC-646, users can produce 24-up business cards on 12" x 18" or 36-up on 14" x 26" paper sizes, slit-score greeting cards, micro-perforated coupons, direct mailers with tear-away cards, and much more!

Easy Job Setup From a PC

The DC-646 Slitter/Cutter/Creaser is easy for anyone to use and even the most inexperienced operator can finish a job within minutes. The DC-646 comes equipped with the PC Controller software, enabling users to operate the system from a PC. The wizard makes it simple for operators to create new jobs, make adjustments, and save virtually an unlimited number of jobs on the hard drive for faster changeovers.

In addition, the DC-646 comes built-in with a CCD scanner, enabling it to recall any job stored in memory simply by reading the printed barcode and automatically setting up the job. The scanner also reads registration marks and compensates for the sheet-by-sheet image shift in both directions, delivering accurately finished pieces every time.

Superior, High Capacity Feeding

The DC-646 Slitter/Cutter/Creaser features a 3.9" (100 mm) feed capacity stacker and a unique top air-suction feeding system to maintain the consistency and productivity throughout the

- Eliminates white borders and prevents toner cracking with up to 8 slits, 25 cuts and 20 creases in a single pass
- Standard PC Controller for easy job setup via a PC
- Barcode and Reg Mark can be easily applied with EFI Fiery Command Workstation impose tool (Fiery System 10 or newer)
- Built-in CCD scanner reads barcodes to automatically recall any job stored in memory as well as registration marks to correct any image shifting
- Optional Rotary Tool and Cross Perforating Modules perform perforations, micro-perforations, scores, slit-scores, and strike perforations
- Compatible with the Integrated Folding System (IFS), the DC-646 IFS* will be able to slit, cut, crease, and fold all in one pass (* Available Q2 2014)
- Future enhancements will include JDF finishing automation for fully integrated workflows
- Create a variety of full-bleed applications such as business cards, brochures, greeting cards, direct mailers, and much more

operation. The high capacity stacker means the system will run for a longer period of time without having to reload while the air-suction system feeds from the top of the stack to reduce scuffing and marking on the sheets.

Additionally, the DC-646 comes equipped with an air knife and ultrasonic sensor for improved feed consistency. The air knife provides additional air flow to the stack and reduces static on the sheets. The ultrasonic sensor detects when two or more sheets have been fed and automatically sends rejected sheets into the reject tray.

DC-646 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

1-up Flyer on 12" x 18" with One Fold and T-shape Perforated Cards

fold with IFS in one pass   finished pieces
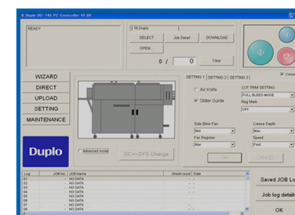

Increased Versatility

Processing up to 8 slits, 25 cuts and 20 creases in a single pass, the DC-646 finishes full-bleed documents up to 26.4" (670 mm) in length. To further extend its versatility, optional modules can be added to meet a wider array of customer demands. The DC-646 offers three areas where operators can mix and match any optional modules to produce a variety of unique applications.

- **Rotary Tool Module** performs perforations, micro-perforations, scores, slit-scores, and strike perforations (across the length of the sheet)
- **Cross Perforating Module** performs perforations, micro-perforations, slit-scores, and strike perforations (across the width of the sheet)
- Add an extra **Slitting Module** with 2 more slitters for a maximum of 8 slits per sheet (6 slits standard + 2 slits optional)

- The DC-646 is also compatible with the **Integrated Folding System (IFS)***, creating an even more versatile finishing solution that slits, cuts, creases, scores, perforates, slit-scores, micro-perfs, and folds – all in one pass (* Available Q2 2014)
- Optional **48" Long Conveyor Stacker** allows for higher stacking capacity and unloading while machine is running

With the DC-646, users can produce unique applications such as:

- 24-up business cards (without an additional module required)
- "L" perforated business card within a postcard
- Slit-score, lay-flat greeting cards
- Direct mailers with "T" or "L" shape perforated coupons
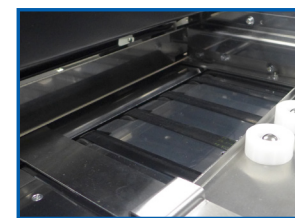- Event tickets with multiple perforations

PC Controller enables users to easily and quickly operate, create and adjust jobs.

Customer-replaceable modules help create versatile applications with the widest range of substrates. The color codes indicate module locations, making it easy for the user to install correctly.

The **CCD scanner** can read barcodes to recall any job stored in memory as well as the registration mark to correct any image shifting.

Adjustable in four steps, the **vacuum registration table** precisely aligns each sheet, maintaining a high degree of precision finishing.

Automatic feed tray features a **vacuum feeding system** that prevents marking, miss or double feeding. The air knife aids in sheet separation.

Capable of running business cards without a business card module, the attachable **business card stacker** with individual guides guarantees neatly stacked outputs.

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

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