Duplo

★ PROCESS APPLICATIONS WITH RAISED UV COATING

With its soft sponge roller system, the Slitter/Cutter/Creasers can accurately process applications with raised UV coating. The sponge rollers contour to the varying heights of the raised UV coated sheets and grip the entire surface of the paper as it goes through the finishing process.

Unlike a guillotine, there is no clamp putting pressure on the paper and crushing the raised UV. And without any stiff metal rollers, the application does not get scratched or damaged. Sheets with this type of coating become slippery and can also slip under metal rollers, resulting in registration loss and inaccurately finished work.

★ ADD IN-LINE FOLDING

Most print shops will have work that requires folding. **Slitter/Cutter/Creaser users have the option to eliminate an extra setup by adding an in-line knife folder to their device with Duplo's Integrated Folding System (IFS).** The ability to upgrade at any time is a big plus for future growth. By adding the IFS, operators can go from flat sheets to finished pieces cut in both directions, creased, perforated, and folded in one pass.

Although buckle folders are faster, the chances of toner cracking are very high. Any job printed on over 80 lb. cover with toner requires a knife folder and the IFS can handle up to 130 lb. cover.

★ PRODUCE TINY CARDS

Duplo has introduced a new feature called "Process All" which allows the DC-746 and DC-646 to produce cards smaller than 2" in length. With this setting selected, operators can program and produce cards down to 1.25" x 2". It's a major addition to the already versatile DC-746 and DC-646 models.

★ FINISH BANNERS

This brochure was finished on a Slitter/Cutter/Creaser. Many of the newer digital presses are capable of printing long banners and the **Slitter/Cutter/Creasers can be adjusted to process these banner sheets up to 39" in length** while maintaining the same accuracy by utilizing the image shift compensation on the fly. Users can easily bleed trim these banners down to their finished size. Operators can also print more items on a sheet to further reduce the print costs of applications such as business cards and brochures. Banner sheets are loaded onto the feeder and are accurately slit, cut, creased, and perforated like traditional 12" x 18" sheets.

★ INTERCHANGEABLE TOOLING STATIONS

Duplo's new Rotary Tool Modules (RTM) have interchangeable processing wheels which eliminate the need for multiple modules to produce various types of finishes. Each RTM comes with a pair of the following tools: standard perf, micro-perf, rotary score, and slit-score. Operators can easily install the desired tools to run each application.

For example, take a simple LTR tri-fold piece with a reply card. This application is typically printed 2-up on a 12" x 18" sheet and requires a perf and score in the direction of the paper path. The operator can install the scoring and perforating wheels on the same RTM and produce both finishes along with bleed trimming in a single pass.

Not requiring separate modules improves the efficiency of the job and helps keep equipment costs down.

DC SERIES	DC-616 PRO/DC-616	DC-646	DC-746
Feed Capacity	3.9" (100 mm)	3.9" (100 mm)	5.9" (150 mm)
Paper Weight	110 – 350 gsm	110 – 350 gsm	110 – 350 gsm
Input Paper Size	8.26" x 8.26" to 13" x 26.4" (210 x 210 mm to 330.6 x 670 mm)	8.26" x 8.26" to 14.56" x 26.4"* (210 x 210 mm to 370 x 670 mm)	8.26" x 8.26" to 14.56" x 26.4" (210 x 210 mm to 370 x 670 mm)
Maximum Speed	10 sheets per minute	30 sheets per minute	50 sheets per minute
Maximum Slits per Sheet	6	8 (6 standard + 2 optional)	10 (6 standard + 4 optional)
Maximum Cuts per Sheet	25	30	25
Maximum Creases per Sheet	20	20	20
Required Footprint (WxDxH)	63" x 25" x 42"	69" x 35" x 53"	111" x 66" x 63"
Net Weight	331 lbs.	595 lbs.	992 lbs.

* Slitter/Cutter/Creasers can be adjusted to process the banner sheets up to 39" in length.

EXPERIENCE AUTOMATION AND PRECISION IN DIGITAL COLOR FINISHING

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ALL-IN-ONE SLITTER/CUTTER/CREASERS

CUT 1,000 BUSINESS CARDS IN 3 MINUTES

(with the DC-746 Slitter/Cutter/Creaser)

It's all about eliminating touchpoints and reducing job costs. Manual setups, multiple devices, and make-ready times are all touchpoints that add to the cost of the job and quickly eat into profit margins.

Streamline your post-press with Duplo's Slitter/Cutter/Creasers, the industry's leader in all-in-one digital color finishing.

It's their ability to finish full-bleed applications with incredible precision that make them a must-have in print shops. Automatically slit the margins, cut the gutters, and crease the fold lines of brochures and greeting cards in a single pass. Cut 24-up business cards on 12" x 18" paper without additional modules. And if you need to do more, the DC-746 and DC-646 can perform strike and cross perforations so you can create 16-up tickets or add perforated cards to flyers in-house.

The Slitter/Cutter/Creasers handle paper weights up to 350 gsm and sizes up to 26.4" in length. Job setup and changeovers are fully automated. Operation is easy so no experience is required. And they run without supervision so your operator can attend to other tasks.

Less downtime. Faster turnarounds. More profits.

DC-746 *SLITTER/CUTTER/CREASER*

Duplo's most powerful all-in-one solution and the ideal companion for digital printers with medium to high production jobs.

★ 5.9" feed capacity
★ Maximum speed of 50 sheets per minute
★ Up to 10 slits, 25 cuts and 20 creases in a single pass
★ Easy job setup and unlimited job storage via the PC Controller software
★ Built-in CCD scanner reads barcodes and registration marks
★ External waste bin

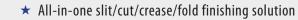### Options

• Rotary tool, cross perforating, and additional slitter modules
• Integrated Folding System for in-line folding
• 48" Long conveyor stacker
• PC and PC arm

Integrated Folding System

The IFS adds in-line folding to your Slitter/Cutter/Creaser.

Eliminate setting up a separate folder and slit/cut/crease + fold jobs in a single pass by adding it to the DC-746 or DC-646. Using two knife blades, the IFS can perform the most common folds including single, letter, Z, gate, and double parallel along with an infinite number of custom folds.

★ All-in-one slit/cut/crease/fold finishing solution
★ Integrates with the DC-746 and DC-446
★ Multiple-up processing
★ Increased stacking capacity

POPULAR FOLD TYPES FOR IFS FOLDER

Single   Double   Letter   Z   Gate

DC-646 Integrated Folding System

DC-646 *Slitter/Cutter/Creaser*

Ideal for mid-range production, the DC-646 has the versatility to create a multitude of unique full-bleed applications on demand.

★ 3.9" feed capacity
★ Maximum speed of 30 sheets per minute
★ Up to 8 slits, 30 cuts and 20 creases in a single pass
★ Easy job setup and unlimited job storage via the PC Controller software
★ Built-in CCD scanner reads barcodes and registration marks

Options

• Rotary tool, cross perforating, and additional slitter modules
• Integrated Folding System for in-line folding
• 48" Long conveyor stacker
• PC and PC arm

TOP SELLER ★★★★★

DC-616 PRO *SLITTER/CUTTER/CREASER*

The DC-616 PRO is perfect for the short-run, on demand digital printer.

★ 3.9" feed capacity
★ Maximum speed of 10 sheets per minute
★ Up to 6 slits, 25 cuts, and 20 creases in a single pass
★ Easy job setup and unlimited job storage via the PC Controller software
★ Built-in CCD scanner reads barcodes and registration marks
★ Standard perforation unit
★ Long paper tray

Options

• PC and PC arm

The DC-616 base model is available and can be customized to meet your needs. The PC Controller software, CCD scanner, perforation unit, and long paper tray are sold separately.

Automate Prepress and Finishing with EFI Fiery Print Servers

Save up to 70% in setup time by automating job prep and eliminating manual data entry with Fiery Impose® in Fiery Driven™ print environments. The integration between Fiery Impose and Duplo's Slitter/Cutter/Creasers offers timesaving workflows that can be applied to both common and custom layout jobs.

For the most common jobs such as business cards or postcards, Duplo provides imposition templates to use in Fiery Impose that match the finishing templates on the Slitter/Cutter/Creaser. The finishing templates come pre-set with measurements for the margins and gutters as well as finishing sizes. The templates use barcodes and registration marks that let the Slitter/Cutter/Creaser adjust automatically without intervention.

For custom layout jobs*, users can create the new layout file on the Duplo PC controller, import it in Fiery Impose and instantly see a visual preview of finishing lines to quickly verify job designs before printing. Users can save the layout as a Fiery Impose template to automate the same type of job in the future using one-step automated workflows such as Fiery Hot Folders, Fiery Presets, Fiery JobFlow or Virtual Printers. This automated solution reduces human setup errors and accelerates turnaround times.

For more information download the how-to guides and videos at fiery.efi.com/htg-impose-duplo.

*Supported on DC-646 and DC-746

1 Start with a 1-up Portable Document Format (PDF) application.

2 PDF file is dropped into a hot folder which contains job specific parameters.
job specifications

3 An imposed print-ready PDF file is created with a barcode and registration mark in place.

4 File is printed on a production digital printer.
digital printer

5 Sheets are scanned for automatic set-up, processed, and finished.
DC-646

FINISHED! Applications are processed from start to finish with minimal operator intervention.
stacked finished applications
finished booklets