

Duplo

DPC-600

Digital Die Cutter

DOCUCUTTER DPC-600 SPECIFICATIONS

AUTO FEED	
Feeder Capacity	Up to 3.9" (100 mm)
Sheet Separation	Air powered, variable jet stream separation
Feeding System	Vacuum feed with clamps mounted on gantry
Sheet Size	Min. 8.5" x 11" / Max. 23" x 31"
CUTTING CONTROL	
Blade	Tungsten steel
Productivity	12-45 seconds per 13" x 19" sheet (depending on design complexity)
Max. Cutting Speed	Up to 1,200 mm/second
Cutting Thickness	Up to 6 mm
Cutting Tolerance	±0.3 mm
SOFTWARE AND CONNECTION	
Software (platform)	DPC Connect (Requires PC with Windows 10 or 7, i5 Processor or higher, 4GB RAM or more, 1 Ethernet port 10/100MB, 1GB 4 port switch box, Ethernet cable)
File Format	AI, JPG, PDF, PSD, DXF, EPS
Network	LAN
GENERAL	
Standard Features	CCD camera registration system, tools (see chart), DPC Connect software, air compressor, 4 port switch box, 2 Ethernet cables
Options	Oscillating knife, roll fed unit, Duplo TSC Touchscreen with stand
Power Requirements	220V 50/60Hz 20A
Air Compressor Requirements	0.7 HP, Tank Capacity 2.9 Gallons, 101 PSI, 1.41 CFM, 110 VAC
Dimensions (LxWxH)	115.7" x 42.2" x 44" (2,939.3 mm x 1,072.5 mm x 1,117.6 mm)
Net Weight	926 lb/420 kg

Production rates are based on optimal conditions and may vary depending on stock and environmental conditions.








Duplo The leading provider of innovative precision finishing, print embellishment, and specialty finishing solutions. Contact us today to request samples or to get in touch with a finishing specialist.

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B2 Flatbed Cutting On Demand

DocuCutter DPC-600 Digital Die Cutter

Featuring smart technology for packaging and larger format applications, the DocuCutter DPC-600 Digital Die Cutter takes your business to the next level with its ability to produce corrugated boxes, pocket folders, and foam board displays on demand.

The DPC-600 cuts, kiss cuts, scores and perforates a wide range of substrates without physical dies required. It's the perfect, user-friendly solution for creating anything from a one-off sample to a short run job.

NO DIES REQUIRED

With the intelligent DPC Connect software on hand, the quadruple tooling head follows the lines drawn on the cut file to create the application desired within minutes. Large media up to 23" x 31" in size is held in place on the flatbed table through a suction zone below the conveyor belt as the tooling head moves throughout the sheet.

The DPC-600 comes included with press cut, active, and drag knives as well as scoring wheels to process a variety of media and thicknesses. The oscillating knife is an available option. Up to 4 tools can be added at any time.

The press cut tool is ideal for more precise cutting of substrates up to 3 mm. Cut intricate shapes on paper and PET plastics as well as kiss cut adhesive label stock up to 1.5 mm with the active knife or drag knife. Score fold lines on packaging and folded pieces using the scoring wheel. Use the oscillating knife to pulsate through thicker substrates such as corrugated, chip, and foam boards up to 6 mm.

EASY JOB PREP AND SETUP

Get started by defining the cuts, kiss cuts, scores, and perforations for your job by creating the cut file in a vector program such as Adobe Illustrator or CorelDRAW. Export the cut file in PDF, DXF, AI, JPG, PSD, or EPS then upload and save it on the DPC Connect software. Prepare your print file by adding registration marks on all four corners for increased accuracy and a QR code to instantly recall the cut file when scanned.

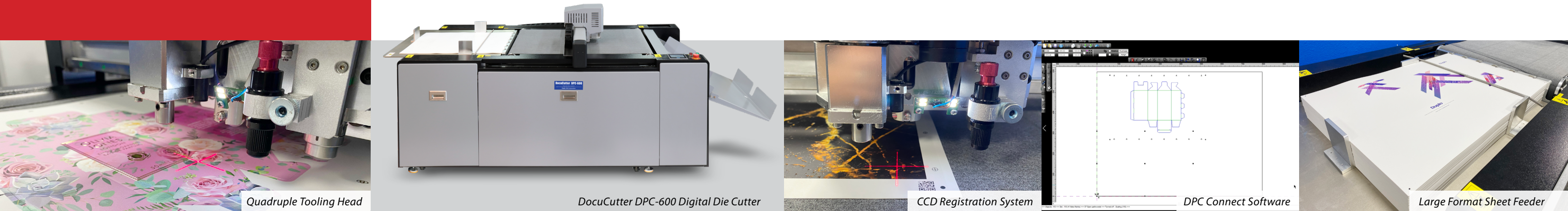
Job preparation functions, including the application of registration marks and QR code, can be automatically performed using Fiery JobFlow. This EFI integration enables you to create a timesaving workflow that reduces errors and downtime.

AUTOMATED CUTTING

Operating the DPC-600 has never been easier. With the cut file saved on the software and the sheets loaded on the feed tray, you can start running jobs with the touch of a button. The DPC-600 utilizes a high resolution CCD registration system to read the QR code and retrieve the matching cut file. The CCD will also read the registration marks to ensure accurate finishing while compensating for any image shift.

Job changeovers are automated to reduce downtime between jobs. With four tools ready-to-go in the tooling head, simply select which tools are desired for the next job. Quick and easy!

Sheets are vacuum fed with the air knife aiding in separation. The feed tray elevates during operation and it can be reloaded without interrupting production.



Quadruple Tooling Head

DocuCutter DPC-600 Digital Die Cutter

CCD Registration System

DPC Connect Software

Large Format Sheet Feeder

APPLICATIONS



Pocket Folders



Custom Packaging



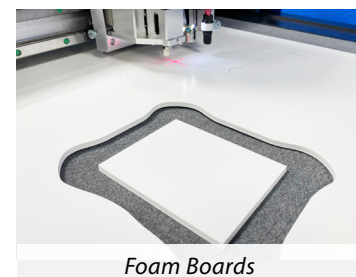
Labels and Stickers



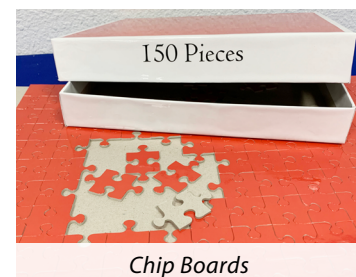
PET Plastics



Corrugated Boxes



Foam Boards



Chip Boards



Magnets

STANDARD TOOLS

TOOLS	DESCRIPTION
250 Corrugated Creasing Wheel	For corrugated media up to 2.5 mm
J206 Passive/Drag Knife	For up to 120 gsm paper
J208 Passive/Drag Knife	For up to 250 gsm paper
J301 Active Half Cutting Knife	For up to 350 gsm paper, adhesive sticker and label stocks
J380 Creasing Wheel	For up to 0.63 mm paper
J381 Perforation Wheel	For up to 0.63 mm paper
J382 Creasing Wheel	For up to 1mm paper
J383 Active Cutting Knife	For up to 1.5 mm paper/PET Plastic (more intricate, detail cuts)
J383 Press Cut Knife	For up to 3 mm corrugated, foam/chip board media (more intricate, detail cuts)
J385 Active Cutting Knife	For up to 1.5 mm paper/PET plastic (double blade, more durable)
J385 Press Cut Knife	For up to 3 mm corrugated, foam/chip board media (double blade, more durable)
603A V-Cut A	For up to 3 mm
603B V-Cut B	For up to 3 mm
3111 Oscillating Knife (optional)	For up to 6 mm



Scan to watch the video

- Delivers customized, short-run jobs on demand
- Digitally cuts, kiss cuts, scores, and perforates in one pass
- Performs changeovers automatically to reduce downtime
- Processes corrugated, chip and foam boards as well as paper, adhesive, and synthetic stocks
- Quadruple tooling head offers more versatility