

Duplo

DPC-600 PKG

Digital Die Cutter

DOCUCUTTER DPC-600 PKG SPECIFICATIONS	
AUTO FEED	
Feeder Capacity	Up to 8.0"
Feed Thickness	200 gsm - 3.6 mm
Sheet Separation	Air Blower & Separation Pad
Feeding System	Top Feed Air Suction
Sheet Size	Min. 11" x 17" / Max. 23" x 29.5"
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-to-sheet unit, Duplo TSC Touchscreen with stand
Power Requirements	Cutter 220V 50/60Hz 20A; Feeder: 110V±10% 60HZ 3A
Air Compressor Requirements	0.7 HP, Tank Capacity 2.9 Gallons, 101 PSI, 1.41 CFM, 110 VAC
Dimensions (LxWxH)	153" x 35.4" x 44"
Net Weight	1,146 lb

Minimum Specification for Kiss Cutting: Adhesive Backing will need to be minimum 0.10mm in thickness or higher to ensure optimal cutting quality.

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.

Duplo USA Corporation

3050 S. Daimler St.
Santa Ana, California 92705
Toll Free: 1-800-255-1933
Telephone: 1-949-752-8222
Email: sales@duplousa.com

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B2 Flatbed Cutting On Demand

DocuCutter DPC-600 PKG Digital Die Cutter

Featuring smart technology and automated feeding, the DPC-600 PKG Digital Die Cutter takes your business to the next level with its capability to produce packaging, POP displays, and pocket folders on demand.

The DPC-600 PKG cuts, scores, and perforates a wide range of substrates without physical dies required. It's a user-friendly solution for producing 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 29.5" 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 PKG 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.

The press cut tool is ideal for more precise cutting of substrates up to 3 mm. Cut intricate shapes on paper and PET plastics 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.

*Lamination may be required when scoring to prevent cracking.



EASY JOB PREP AND SETUP

Get started by defining the 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 Fiery integration enables you to create a timesaving workflow that reduces errors and downtime.



DEEP PILE FEEDING

Offering a high stack capacity of 8", the DPC-600 PKG offers increased productivity with its ability to process longer job lengths and feed thicker boards automatically. The two-belt suction feeder comes equipped with fans and air blowers to aid in separation. It feeds both coated and uncoated stock as well as non-paper substrates up to 3.6 mm thick.

The deep pile feeder handles Short Edge Feed (SEF) and Long Edge Feed (LEF) with equal ease, as it pre-loads each sheet on stand-by to deliver multiple sheets on the flatbed.



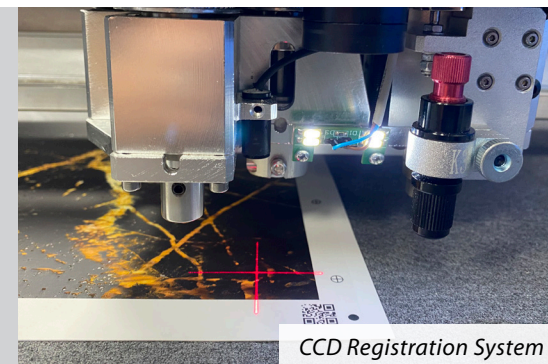
DPCCONNECT



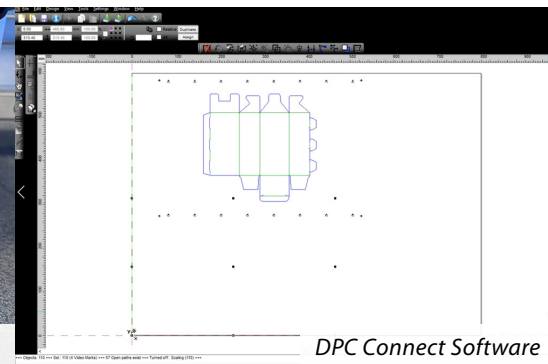
Quadruple Tooling Head



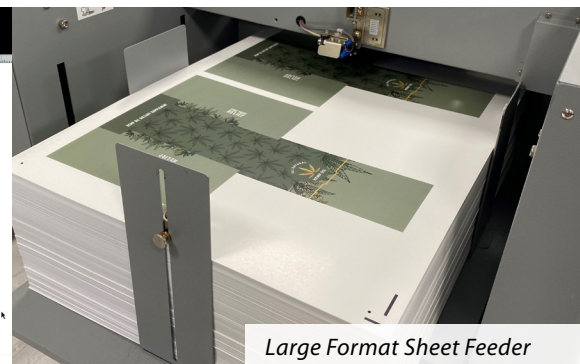
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CCD Registration System

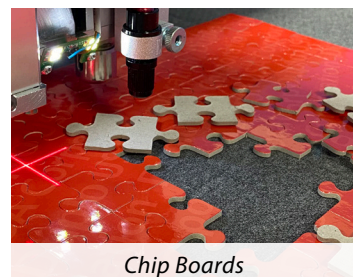


DPC Connect Software



Large Format Sheet Feeder

APPLICATIONS



Chip Boards



Custom Packaging



Corrugated Boxes



PVC Signboard



AUTOMATED CUTTING

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 PKG 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!

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
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

FEATURES

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