

Specifications

Dimensions (L x W x H):	1600mm x 620mm x 1050mm
Weight:	150 Kg
Power Supply / Consumption:	230V AC, 50Hz / 100W (0.7 Amp)
Input Paper Size Min:	210mm wide x 210mm long
Input Paper Size Max:	320mm wide x 650mm* long (330.5 x 999mm**)
Finished Paper Size:	Width: 48mm, Length: 50mm (45mm**)

Slitters

Number:	6 x rotary slitting knives (2 x side trim, 4 x centre slitter) (programmable in 0.1mm increments)
Margin Slit:	3.2mm - 55mm from paper side edges
Gutter Deflector:	5mm - 15mm strips Gutter slits wider than above will be delivered on to the exit tray. Max 2 deflectors per document
Tolerance:	Finishing size +/- 0.3mm (business card +/- 0.4mm)

Creaser

Number:	1 x creasing rule across paper direction
Maximum:	20 creases (programmable in 0.1mm increments)
Crease Depth Adjustment:	3 steps (from control panel)
Tolerance:	Finishing size +/- 0.3mm

*460mm is standard. For longer sheets an optional feed tray is required
**Extended specification

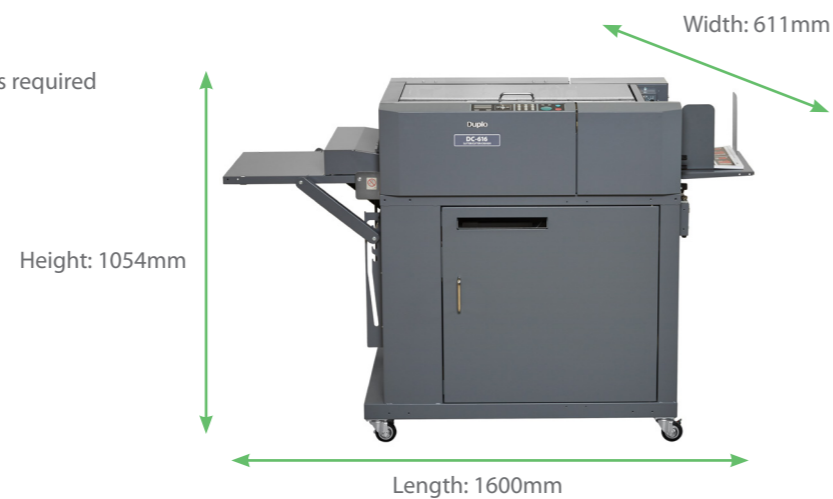
Paper Weight Min:	110 gsm
Paper Weight Max:	350 gsm
Paper Curl:	Within +/- 3 mm
Paper Type:	Uncoated paper, coated paper, laminated paper
Capacity:	100 mm
Type:	Top feed / Belt suction

Cross Knife Cutter

Number:	1 x cross knife
Maximum:	25 cuts (programmable in 0.1mm increments)
Lead Edge Cut:	Minimum 3.2mm
Gutter Cut:	Minimum 4mm
Trail Edge Cut:	Minimum 5mm
Tolerance:	Finishing size +/- 0.3mm (business card +/- 0.4mm)

Perforation Unit

Paper Weight Max:	300gsm
Number:	2 Rotary Tools (15tpi)
Positioning:	Manual



Duplo[®]
from print to documents

DC-616 MULTIFINISHER

PRINT FINISHING – MADE EASY

Fully automatic setup
25 cuts & 20 creases in a single pass
Barcode and registration mark
Removable perforation unit

Greetings Cards, Business Cards, Photobook pages, Brochures,
CD/DVD covers, Information Cards, Tickets, Vouchers.



Duplo International Limited
Automated Precision House
Hamm Moor Lane
Addlestone
Surrey KT15 2SD

Tel +44(0) 1932 263 900 - Fax +44(0) 1932 263 901
info@duplointernational.com
www.duplointernational.com

Duplo is a trade mark of the Duplo Corporation. Duplo has a policy of continuous improvement and reserves the right to amend the above specification without prior notice.
Production rates are based on optimal operating conditions and may vary depending on stock and environmental conditions. As part of our continuous product improvement program, specifications are subject to change without notice.



Ref: DC616/09/14

The DC-616 provides the short-run on-demand digital printer, multi-function finishing in one compact, easy to use solution. It cuts, creases and perforates printed sheets, producing finished applications in a single pass.

The DC-616 has been designed for higher return on investment by saving the costs of additional machines by reducing production times.



Multi-function finishing

The versatility of the DC-616 makes it ideal for finishing full bleed applications in a single pass. Its rotary slitters, guillotine cutter and depth-adjustable creaser provide the versatility of multiple machines without the costly, manual setup and production times.

Margins trimmed horizontally by the slitter and vertically by the cutter, are automatically deposited into the large waste bin. Only the finished pieces are delivered into the exit tray.

Creasing digitally-printed output prior to folding prevents toner cracking and unattractive fold lines. The creaser utilizes male and female matrix channels to create up to 20 creases across the sheet, enabling documents to be folded with ease. Creasing performance is optimized via the adjustable 3-step crease depth for various paper types and weights.

The Card Stacker which is ideal for business cards and postcards and keeps smaller finished applications neatly stacked and organized.



Feeding

The DC-616 Slitter/Cutter/Creaser features a 100mm feed capacity stacker and a unique top air-suction feeding system to maintain consistency and productivity. The high capacity feeder allows the system to run for a longer period of time, minimizing constant reloading.

The feeding system utilizes two fans instead of a pump for air suction and sheet separation, this reduces the overall noise level of the system, while the air knife provides additional air flow to the stack for improved feed consistency and static reduction.

For enhanced reliability, the DC-616 also features an Ultrasonic Double Feed Sensor as standard to detect when two or more sheets have been simultaneously fed.



Perforation Tool

The DC-616 features a new Perforating unit that can be easily attached to the exit of the machine and is neatly stored away when not in use.

The Perforating unit comes with two manually-adjustable perforation tools to perforate along the length of the sheet.



Slitter

Each of the 6 slitters are independently controlled, providing the operator with the flexibility to produce a wide range of finished applications such as 21-up full bleed business cards.



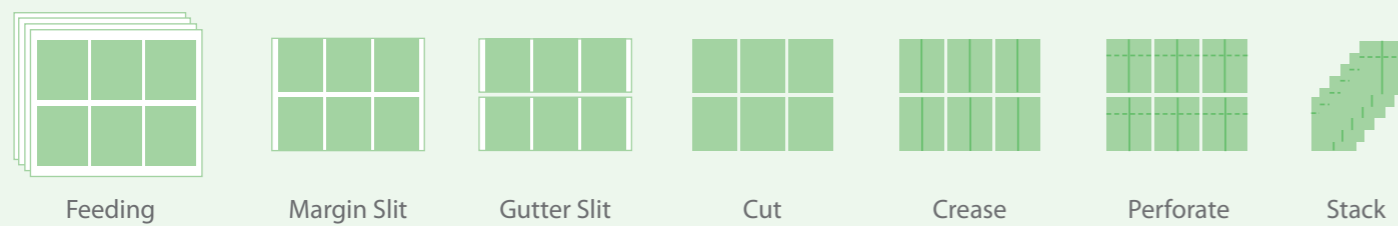
Automated Precision

A control panel easily enables the operator to quickly access, review and edit up to 80 memorised jobs.

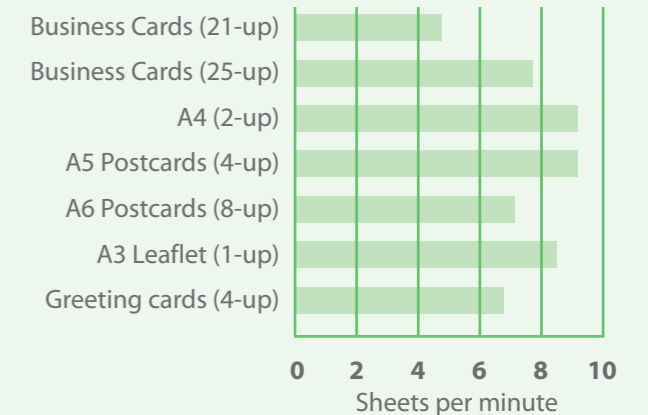
When a job is started, the camera can scan a printed barcode and automatically setup the tools to correctly finish the printed application.

The camera can also scan a printed registration mark that compensates for image drift and ensures the application is finished perfectly every time.

Finishing Process



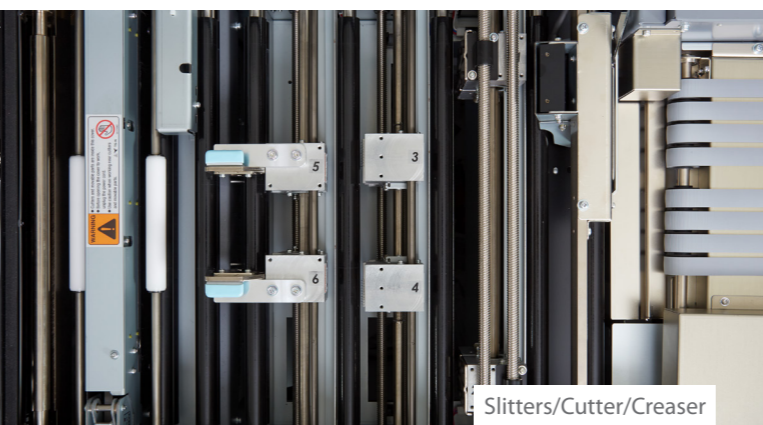
Speed Chart



Perforation unit



Small stacker



Slitters/Cutter/Creaser



Large waste bin