

## Specifications

<b>Speed:</b>	30ppm ( A4 LEF 2 cut & 1 crease)
<b>Operation:</b>	Multi-language windows based PC controller software and control panel
<b>Job Memories:</b>	80 Unlimited memories on PC Controller
<b>Feeder:</b>	Capacity 100mm Air knife plus vacuum separation, skew adjustment
<b>In-feed paper size:</b>	Width 210-370mm Length 210-670mm (999mm*)
<b>Minimum finished size:</b>	Width 48mm Length 50mm**
<b>Paper weight:</b>	110-350gsm
<b>Tolerance:</b>	+/-0.2mm
<b>Slits (length of sheet):</b>	Six (standard) Eight (with the optional module)
<b>Slitter details:</b>	Side margin slit width: 3.2-55mm Gutter slit width: 5-15mm > 15mm delivers to stacker
<b>Creases:</b>	Max. 20 per sheet
<b>Cutter (cross knife):</b>	Max. 25 per sheet
<b>Cutter details:</b>	Lead edge margin: 3mm (0.1mm*) Gutter cut between cards: 3mm (0.1mm*) Trail edge margin: 5.0mm (0.1mm*)
<b>Receiving stacker:</b>	140mm
<b>Card stacker capacity:</b>	60mm
<b>Noise level:</b>	Less than 80db during a continuous operation
<b>Power:</b>	230 VAC 50/60Hz 1.9A 400W
<b>Weight:</b>	285kg

\* Extended specification

\*\* 28mm minimum length is possible but may affect accuracy.

## Optional Modules

<b>Rotary Tool:</b>	Minimum distance between tools 48mm Accuracy +/- 0.2mm
<b>Slitting:</b>	Minimum distance between tools 48mm Accuracy +/- 0.2mm
<b>Cross Perforation:</b>	Max. 20 per sheet Minimum distance between perforations 0.1mm

## Rotary Tool Module

<b>Document weight:</b>	Perforation tool 15tpi: 110-350 gsm Micro perforation tool 25tpi: 110-180 gsm Score tool: 110-350 gsm Slit-score tool: 270-350 gsm
<b>Module weight:</b>	8.0kg

## Cross Perforation Module

<b>Document weight:</b>	Perforation tool 15tpi: 110-350 gsm Micro perforation tool 25tpi: 110-180 gsm Slit-score tool: 270-350 gsm
<b>Module weight:</b>	7.0 kg



**Duplo**<sup>®</sup>  
from print to documents

# DC-646PRO

## SLITTER/CUTTER/CREASER

THE NEXT STEP IN THE EVOLUTION OF PRECISION

Speed of up to 30 sheets per minute  
Automatically positioned tooling  
Barcode and Registration mark  
8 slits, 25 cuts and 20 creases in a single pass

Direct mail, Menus, Business cards, Post cards, Greeting cards,  
T and L shaped perforated tickets, Clothing tags, Boxes, CD/DVD covers.



Duplo is a trade mark of the 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.



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One look at the powerful, heavy duty build of the DC-646PRO is enough to reveal its innovative design and efficient dynamics. Together with its high-quality and motorised tooling, it is the most versatile finishing system available in the market today. The result of analysing the current market trends and anticipating future needs of digital printers, the DC-646PRO is the perfect solution for a mid to high volume digital printer.



**Advanced Feeding Mechanism. Superior Air Management System.**  
The DC-646PRO has a unique feeding mechanism for precise and accurate feeding. This reduces the risk of damaging the printed sheet by using a combination of multiple air vents to lift and separate the sheets from the top of the 100mm high capacity unit. The top sheet is picked up and fed by vacuum using a super wide feed head and registers to a side lay that is adjustable for image skew.



**All new design. Packed with advanced technology.**  
The DC-646PRO comes equipped with a marginal slitter module, a rotary tool module, 2 centre slitter modules, a creaser tool and a cross knife tool, as standard. Add further optional modules and it can perf, slit-score, micro-perf/score in both directions and skip perf multiple times, all in a single pass. This enables operator to produce up to 8 slits through the length of the sheet, 25 cross-cuts and 20 creases in a single pass.



**Brilliant Design. Open Architecture**  
When designing the DC-646PRO Duplo wanted to ensure that it minimalizes operator intervention and system downtime. The DC-646PRO therefore has an open architecture to prevent any clogging. The waste from the sheet passes through to the large bin to allow longer runs between unloading. Additional modules are neatly stored on hangers on the outer body of the DC-646PRO. This will not only increase the life of the modules but also keep your finishing room organised and tidy.



**Intelligently designed. Intelligently integrated.**  
The feature rich DC-646Pro is a guillotine, creaser and a perforator in one highly efficient and compact footprint. Not only does it save on labour, time, space and the cost of purchasing 3 machines, it also dramatically reduces the multiple handling of printed sheets from one machine to another.



**Automated Precision. Redefined to the point of perfection.**  
Some strive to achieve perfection; the DC-646PRO simply makes it look easy. The DC-646PRO uses a single CCD camera to read the barcode and registration mark. With 5 settings and suitable for any digital press, the system automatically identifies jobs and sets up the tooling to the printed registration mark. This compensates for image drift and ensures the processed sheet is finished perfectly every time.



**Slitting Modules**  
Each slitting module comes with a pair of independently controlled slitting tools. The operator can produce up to 21-up full bleed business cards on SRA3 without the use of an additional business card module.



**Rotary Tool Module (RTM)**  
The RTM offers two independently controlled tools which allow users to easily switch between combinations of scoring, perforating, micro-perforating and slit-scoring. In addition, the RTM has the ability to automatically raise and lower the tools, creating a non-continuous strike or skip perforations along the sheet.



**Cross-Perforating Module (CPM)**  
The CPM can perforate across the width of the sheet. It can automatically raise or lower the tools creating variable cross-perf along the sheet. Users can also switch between micro-perforation, perforation and slit-score. The CPM can be programmed to create a wide variety of perforation patterns without ever changing the tool.

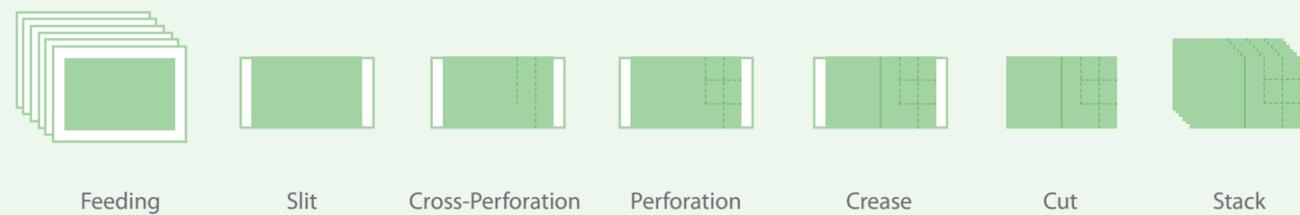


**Applications have never been so easy to create. And of course finished.**  
It is easier than ever to set up new jobs on the DC-646PRO. Duplo have included a library of recommended templates as an Adobe Acrobat interactive catalogue. This library contains the templates, pre-programmed for the most common and also some more complex jobs.



**Exhilarating experience. Ease of operation.**  
The DC-646PRO comes equipped with PC controller software that enables users to set up new jobs and manage all functions. It also stores an unlimited number of jobs for quick and easy recall.

### Finishing Process



### Speed Chart

