



PFI DI-CUT 310 SPECIFICATIONS

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| Paper Size | Minimum: 210 mm x 297 mm Maximum: 390 mm x 520 mm |
| Finished Size after cutting | Minimum: Width 40 mm x Length 50.8 mm Maximum: Width 360 mm x Length 490 mm |
| Paper Weight | Minimum: 106 gsm/ 0.15 mm Maximum: 400 gsm/ 0.4 mm With Separator: Minimum 200 gsm |
| Speed | 3-Step Speed Adjustment: High: 8,000 rotations - up to 4,000 sheets/hr Medium: 5,400 rotations - up to 2,700 sheets/hr Low: 2,700 rotations - up to 1,350 sheets/hr |
| Tolerance | ±0.2 mm |
| Feed System | Air Suction, Top Belt Feeder |
| Feeder Capacity | Up to 240 mm |
| Substrates | Paper, laminates, self-adhesive, synthetics |
| Power | AC 230V 50Hz, 2.3A |
| Dimensions (LxWxH) | L-1,590 mm x D-700 mm x H-1,190 mm with conveyor: L-3,226 mm x D-700 mm x H-1,190 mm |
| Weight | 400 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.

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

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PFI DI-CUT 310

Rotary Die Cutter



UNLEASH POWER



High speed, cost effective solution for
custom shaped jobs
www.duplointernational.com

PFi DI-CUT 310 Rotary Die Cutter

The high-speed PFi DI-CUT 310 Rotary Die Cutter delivers packaging and print marketing applications in distinctive shapes and sizes to help you stand out from the competition. Running up to 4,000 sheets per hour, the PFi DI-CUT 310 utilises a magnetic cylinder and flexible dies that process paper, laminates, self-adhesive and synthetic stocks up to 400 gsm.

Offer custom finishing options by bringing this value-added service in-house. Suited for both long and shorter runs, the PFi DI-CUT 310 is a highly productive and cost-efficient solution with minimal job setups and fast turnarounds.



FLEXIBLE DIES

Meet your customer's needs with flexible dies made according to their specifications. More economical and faster to manufacture, flexible dies are made of engraved magnetic steel and offer a high degree of cutting accuracy compared to steel rule and solid dies. They are easy to mount, with alignment marks on the cylinder for quick adjustments, and can be switched out in less than a minute – so you can get your jobs out the door faster.

Flexible dies can be designed to perform a range of finishing capabilities including die cutting intricate shapes, kiss cutting labels and stickers, perforations with specified teeth, and three-knife creasing to prevent toner cracking when folding on packaging applications.



HIGH PRODUCTIVITY

Run an efficient and productive operation with simple setups and changeovers. Once the die is mounted over the magnetic cylinder and sheets are loaded on the feed tray, job setup is made through the intuitive touchscreen panel with individual buttons to start and stop operation.

Make adjustments in 0.1mm increments along the width and length of the sheet to ensure proper sheet alignment with the fixed die position. Use the three-step speed adjustment to slow down or speed up the rotational speed of the cylinder for consistent cutting of thicker and thinner stocks.

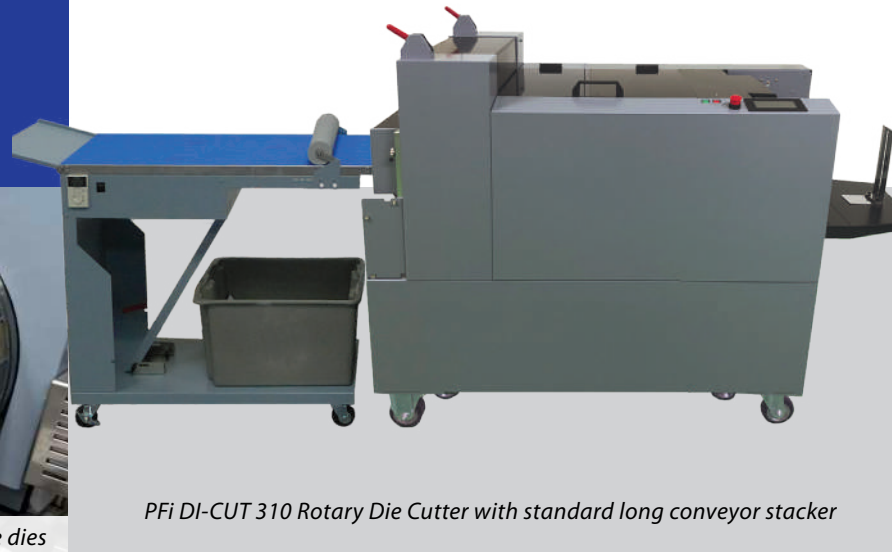
Feeding up to 4,000 sheets per hour, the PFi DI-CUT 310 features a high stack capacity of 240mm and an ultrasonic double feed sensor to detect when two or more sheets have been fed. The improved six-belt air suction feeder comes equipped with fans and air blowers to aid in the separation of double-sided laminated and synthetic stocks as well as reducing the static on digitally printed output.



AUTOMATIC SEPARATION

In conventional die cutting systems the product remains attached to the skeleton waste, requiring an extra step to guillotine or manually remove it. The PFi DI-CUT 310 does this automatically, putting the waste into the bin while delivering finished product to the conveyor, significantly reducing costs and production time.

The separator is a cassette module that can be easily set-up offline, or alternatively change to a second cassette already set for the next job, further reducing changeover time between jobs.



PFi DI-CUT 310 Rotary Die Cutter with standard long conveyor stacker



High capacity feeder



Long conveyor stacker



User-friendly touchscreen panel

APPLICATIONS



Packaging



Die Cut Business Cards



Stickers and Labels



Door Hangers and Hang Tags



PROFITABLE, VALUE-ADDED APPLICATIONS

The PFi DI-CUT 310 brings value, opportunity and profitability to the business of print. Produce business cards and brochures with decorative edges, retail packages with window punches, and unique product labels for impactful presentations.

Offer event invitations, flyers, and direct mailers in precise shapes that boost response rates. Create a new revenue stream by producing boxes in-house such as sleeve, tuck end, pillow and so much more!



ACCURATE FINISHING

With a registration mark printed on either side of the sheet, the PFi DI-CUT 310 ensures your jobs are finished with accuracy. Marks in the X and Y directions are read by sensors, detecting the true position of the image on the sheet. Registration guides adjust automatically, compensating for any image shift throughout the job.

Process sheets face up or down, depending on the application.



- Produces custom-shaped jobs at high speeds and faster turnarounds
- Flexible dies designed to cut, kiss-cut, perforate, and three-knife crease for folding
- Automatically separates waste from finished pieces
- Processes paper, laminates, self-adhesive and synthetic stocks
- Ideal for repeat production