

PFi DI-CUT 300

ON DEMAND DIE CUTTER

Rotary Magnetic Cylinder Die Cut
6,000 cycles per hour
Fast die change over
X and Y registration
Air suction feeding

*Shaped business cards, Retail tags, Labels, Stickers, Stamps,
Retail and promotional product packaging, Greeting cards, Stationery, Postcards*



The PFi DI-CUT 300 is an economical and versatile rotary magnetic cylinder die-cutter. It features a compact design, is user friendly and highly productive. The PFi DI-CUT 300 is ideal for digital print providers in need of a short-run die cutting solution. It has the ability to die cut, kiss cut, crease, perforate, slit, hole punch, and round corners all in one process for both digital and offset printed sheets. It is the most cost effective system for producing custom-shaped pieces with faster job turnaround and minimal set up times. Customers are recommended to keep their most popular die plates in-house so when jobs are printed on demand, they can be finished on demand with no downtime.

The PFi DI-CUT 300 system is made up of five different sections; Feeding unit, sheet Registration unit, die cutter unit, separator unit and conveyor unit.



Versatility

The PFi DI- CUT 300 can handle wide variety of media types such as normal paper, coated paper, adhesive substrate and Cardboard from thickness between 106 gsm to 400 gsm. The PFi DI-CUT 300 will allow you to increase your product offerings and profitability by creating a wide range of unique and custom shaped applications in-house. You can add value to invitations and announcements by adding scallops and bracket edges. Produce customized boxes in shorter volume. Enhance the appearance of retail items by adding window punches and hooks for display. With the ability to kiss cut, users can also create labels in different shapes and sizes. Possibilities are limitless!



Productivity

The PFi DI-CUT 300 has been designed to minimise set up times and reduce make-readies. It has a speed of 6000 cycles per hour and can produce up to 3000 sheets per hour. Operators can easily change dies in less than a minute.



Superior Feeding

The PFi DI-CUT 300 is equipped with air suction feed system. With 200mm feed capacity, jobs are processed with minimal reloading required. It feature's Duplo's Air Management System which includes 6 suction belts, air blowers as well as air separators for continuous and reliable feeding.



Flexible dies

Flexible dies are both more economical to manufacture and have a fast delivery time compared to steel rule or solid rotary dies. Flexible dies are etched and made of magnetic steel that handles most type of digital print applications. Thin in size, the flexible dies require minimal space to store. The die has an average life span of 100,000 runs and is custom made to your requirement.



Die

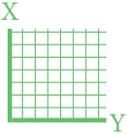


Feeder



Work station

The PFi DI-CUT 300 features an easy to operate GUI touch screen control panel. Both job set up and control can be done through the intuitive touch screen and also allows any adjustments to be made in 0.1mm increments for both the width and length direction of the sheet. The PFi DI-CUT 300 is equipped with 10 job memories for easy recall.



Registration section

The PFi DI-CUT 300 has X and Y registration. The sensors can read the registration mark on the top or underneath the sheet. This gives operator flexibility to process sheets face up or down depending on the applications. The registration guides in this section adjusts automatically without any need for manual intervention. Making a changeover is quick and easy. As the job is processed the registration guide maintains the sheet properly aligned ensuring each sheet is properly cut. The operator can also easily adjust the registration guides for Skew.



Separator station

The separator station on the PFi DI-CUT 300 separates skeleton/waste from the finished applications. The Skeleton falls into waste bin which is easily accessible for waste removal.

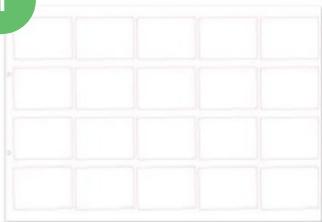


Long conveyor

The PFi DI-CUT 300 is equipped with long stacker for continuous running. The photo-eye sensor ensures finished pieces are neatly stacked onto the conveyor to ensure faster productivity,

Work Flow

1



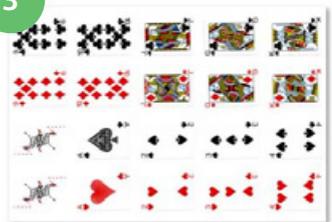
Create vector outline artwork for die cut pieces via vector graphics software

2



Send vector artwork to (die maker) to create die

3



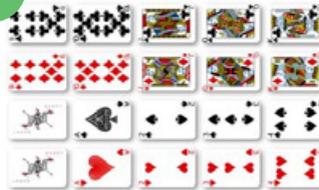
Print full-bleed artwork sheets

4



Separator and conveyor units remove skeleton/waste portions

5



Finished die cut pieces



Finished round corner playing cards



Touch Screen Control Panel



Separator Unit

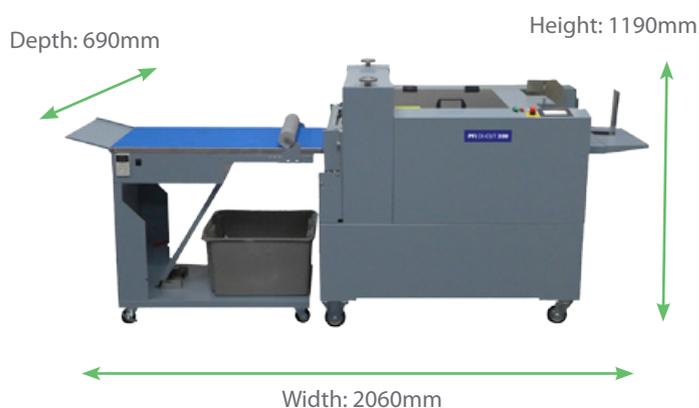


Conveyor

Specifications

System	Rotary Magnetic Cylinder Die Cutter
Min Paper Size	210mm x 297mm
Max Paper Size	364mm x 515mm
Min Paper Weight	106gsm (200gsm using Separator) /0.22mm
Max Paper Weight	400gsm/0.4mm
Speed	6000 cycles per hour, finishing 3000 sheets per hour

Substrate	Normal paper, coated paper, adhesive label without laminate, packaging board
Paper loading Capacity	200mm
Memory	10 Jobs
Feed System	Air Suction, Top Belt Fed
Dimensions (L x W x H)	3400 x 690 x 1190mm (including delivery conveyor)
Noise	74dB
Power	230V 210-245V 50Hz



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Because connections matter.

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



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