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Duplo® UD-300 Die Cutter

On-Demand Die Cutting Provides Endless Possibilities

With the UD-300 Die Cutter from Duplo USA, you'll find a cost-efficient solution for producing custom-shaped digital and packaging pieces such as brochures, direct mailers, stationery, retail packages, labels and folded boxes — in quantities as low as one. This offline die cutter provides faster job turnaround than traditional cutters and requires minimal setup time. Designed for use with flexible dies, the UD-300 performs multiple cuts, slits, slit-scores, kiss cuts, perforations and window punches for single or multiple-up pieces on a wide range of stocks up to 14" x 20" at 3,000 sheets per hour.

Flexible dies are advantageous because they can quickly and easily be changed over (in less than a minute), and they're economical to manufacture. They can be created more quickly than conventional dies, plus they're compact in size and easy to use and store. The durable UD-300 Die Cutter is a perfect match for the needs of the graphic arts and packaging markets.

Key Features

- Rotary magnetic cylinder die cutter
- Designed for use with flexible dies
- Fast die changeover
- Minimal setup times
- 6,000 cycles per hour
- Processes 14.33" x 20.28" sheets at 3,000 sheets per hour
- Optional separator/conveyor unit removes waste and uses a photo-eye sensor to ensure finished pieces are neatly stacked onto the conveyor

Ideal for Short-Run Die Cutting – Quick, Easy and Durable

Key Applications

- Invitations and greeting cards
- Gift card holders and tags
- Coasters
- Party favours
- Bottle neck and doorknob hangers
- Folded boxes
- Product labels
- Packaging

Flexible Dies

Flexible dies are both more economical to manufacture and faster to deliver compared to steel rule or solid rotary dies. Ideal for today's short-run and on-demand needs, flexible dies are custom made and can often be created within a week's time. Flexible dies are etched and made of magnetic steel to handle most types of digital print applications.

Easy Setup and Quick Job Changeovers

The Duplo® UD-300 Die Cutter has been designed to minimise setup times and reduce make-readies. Operators can easily change over a die in less than a minute. The flexible die is wrapped around a rotary magnetic cylinder, which holds the die in complete registration.

Job programming and adjustments are all made through the user-friendly touchscreen panel with individual buttons to start and stop the operation. Adjustments can be made in 0.1 mm increments for both the sheet's width and length. Once the job is set up, the registration guides adjust automatically. The UD-300 Die Cutter features a top, air suction feed system. Sheets are loaded into the feeder and paper guides ensure sheets are centred and fixed in position.

Durable, High Production Equipment

Compared to traditional flatbed die cutters and other rotary die cutting solutions, the UD-300 is compact in size yet highly durable and can easily be placed in any on-demand environment. A great fit for digital print providers in need of a short-run die cutting solution, the UD-300 Die Cutter provides a cost-efficient solution for producing custom-shaped pieces with faster job turnaround and minimal setup times.

System type	Rotary Magnetic Cylinder Die Cutter
Paper size (W x L)	Minimum: 8.5" x 11" (216 x 279 mm) Maximum: 14.33" x 20.28" (364 x 515 mm)
Paper thickness	Minimum: 70 lb Text (106 gsm) Maximum: 150 lb Cover (400 gsm) With separator: Minimum – 75 lb Cover (200 gsm)
Speed	6,000 cycles per hour; handles sheets up to 14" x 20" at 3,000 sheets per hour
Memory	10 jobs
Feed system	Air Suction, Top Belt Feeder
Paper loading capacity	Up to 7.88" (200 mm)
Power	AC 110–115V 50/60 Hz, 5 Amps
Dimensions (L x W x H)	81.10" x 27.17" x 46.85" (2,060 x 690 x 1,190 mm) With conveyor: 127" x 27.17" x 46.85" (3,226 x 690 x 1,190 mm)
Substrates	Uncoated paper, coated paper, adhesive label

Production rates may vary depending on stock and environmental conditions.

Specifications subject to change.

For more information, go to www.xerox.com/finishing

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