

Duplo

SPECIFICATIONS

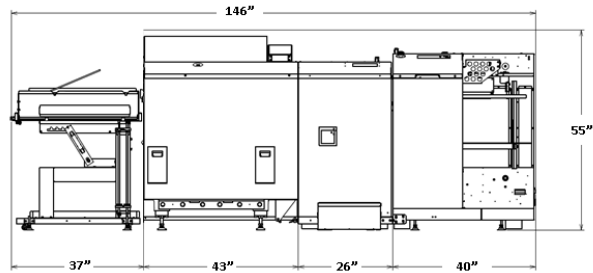
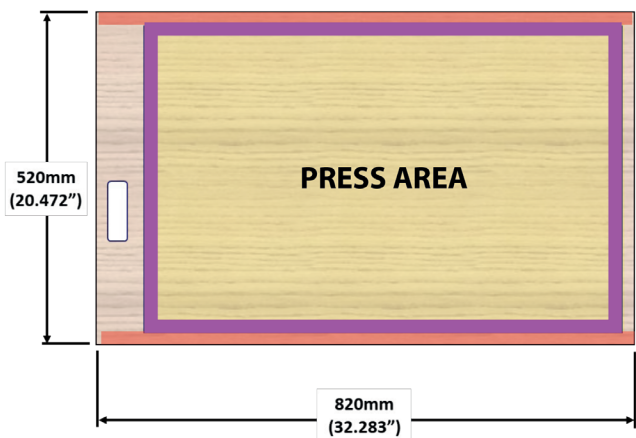
DSM-1000	
Configuration	DSM-1000 Die Cutter + DSM-SF Feeder Unit + DSM-ST Stacker Unit DSM-1000 PRO Die Cutter + DSM-SF Feeder Unit + DSM-SP Separator Unit + DSM-LSW Stacker Unit
Operation	PC Controller software & operation panel
Method	Platen die cutter
Paper Type	Sheet
Paper Size	Width: 279mm to 530mm Length: 279mm to 750mm
Paper Quality	Without Separator Fine Paper: 127.9 - 209.3g/m ² Coated paper: 157 - 279g /m ² Clay Coated: 270 - 600g /m ² Chipboard paper: 400 - 650g/m ² With Separator Fine Paper: Pass through only Coated paper: 209.4 - 279g/m ² Clay Coated: 270 - 600g/m ² Chipboard paper: Pass through only, No crease
Press Area	730mm x 500mm
Pressure	40 tons
Speed	Max: 3100 sheets/hr
Die Board Thickness	18 mm
Die Board Size	820mm x 520 mm
Blade Height	23.6mm
Power Requirements	DSM-SF Feeder Unit: 100 - 204V 50/60Hz 8.0 - 2.7A DSM-1000 Die Cutter: 200 - 240V 3W+PE (10%) 50/60hz 20A/1 - (Peak 60A/1)
Dimensions	Without Separator W 3773mm x D 1317mm x H 1352 mm With Separator W 4166mm x D 1455mm x H 1395mm
Net Weight	Without Separator 3146kg With Separator 3312kg
Options	DSM- SP Separator Unit, Additional Separator Modules

BOARD SPECIFICATIONS

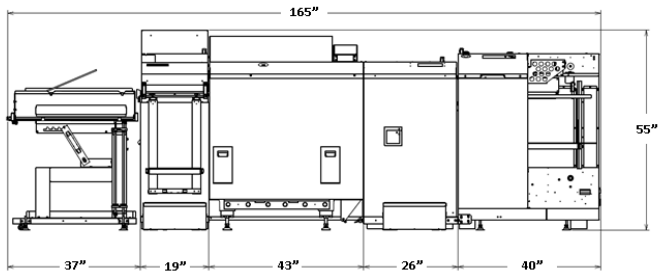
Die board size: 520 x 820mm
Board thickness: 18mm +/- 0.5mm
Blade height: 23.6 mm
(Acceptable Range: 23.55-23.8 mm)
Blade length: 5000mm or less
Press area: 500 x 730 mm
Maximum cutting area: 480 x 710mm

10mm required for die board support brackets

10mm required for sponge



Configuration without separator unit



Configuration with separator unit

Duplo

DSM-1000

B2 DIE CUTTER



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Ref: DSM1000/V2/2024

DUPLO DSM-1000 B2 DIE CUTTER



The DSM-1000 B2 Die Cutter is a dynamic, easy-to-use solution for efficient, automated short-run packaging and shape-cutting. Compact and versatile, it uses steel rule dies to create a wide range of applications, including boxes, pocket folders, and POP displays, with precision.

“Digital die-cutting has revolutionized the cutting process in many industries, offering greater flexibility, efficiency, and precision in material cutting and fabrication.”



EFFICIENCY THROUGH AUTOMATION

The DSM-SP Separator unit automates waste removal, delivering waste to a bin beneath the Stacker Unit. With 7 standard Separator Modules, even the most complex jobs can be separated without additional blanking dies. The DSM-SP can also strip inner waste, such as cut-out windows, reducing manual waste removal tasks.

** Not all jobs can be separated with or without tags. Local testing will be required.*



HIGH PRODUCTIVITY

With a capacity of up to 3,100 sheets per hour, the DSM-1000 B2 features an air suction belt feed system with front and side air separation for consistent, reliable feeding. It supports high stack feed capacity up to 15.7" (400 mm) and includes a double feed detection sensor.

The DSM-1000 can perform up to 3 cut cycles per sheet, essential for complex dies exceeding the maximum 5000mm steel rule length. This reduces die and crease matrix costs, making the DSM-1000 a cost-effective solution.



MODULAR DESIGN



DSM-1000 - Die Cutter + DSM-SF Feeder Unit + DSM-ST Stacker Unit.



DSM-1000 PRO - Die Cutter + DSM-SF Feeder Unit + DSM-SP Separator Unit + DSM-LSW Stacker Unit.



VERSATILITY IN CUTTING

Ideal for larger and thicker paper, the DSM-1000 B2 handles through-cutting, creasing, perforating, and kiss-cutting. It accommodates various materials and thicknesses, making it perfect for diverse applications. The DSM-1000 supports intricate designs and large-scale projects, making it the ultimate cutting tool.

Custom-made, durable dies are inexpensive and quick to produce. Die changeovers and adjustments take just minutes, ideal for short-run projects.



AUTOMATION FOR EXCEPTIONAL PRECISION

Designed for operators of all skill levels, the DSM-1000 B2 features a user-friendly interface for easy job setup and adjustment of cutting positions, pressure, and separation. Manage feeder, registration mark reader, and stacker conveyor settings effortlessly.

The PC Controller allows operators to save unlimited jobs, facilitating quick job recall. An optional barcode reader retrieves job settings from a die board barcode, reducing setup time. A registration mark reader can be added for precise adjustments.

Explore our connectivity tools



FEATURES

- Produces short-run packaging and custom-shaped jobs
- Steel rule dies designed to cut, crease, perforate, and kiss cut
- Automatically separates inner and outer waste from finished pieces with separation option
- Processes paper, laminates, adhesives, and synthetic stocks
- Supports B2 and B3 formats