

DF PRO

***Offline Digital Finishing Solution
for your Printing Press***

Cut, Slit, Crease & Perforate



INNOVATION IN MOTION

Technical Specifications

Key
Horizontal = feeding direction
Vertical = perpendicular to feeding direction

PAPER FORMAT AND THICKNESS

- Paper format:
min: 105 x 148 mm (4.1" x 5.8")
max: 375 x 1,200 mm (15" x 47")
- Paper thickness:
min: 90 Gsm (24 lb bond)
max: 400 Gsm (147 lb cover/ 16 pt) or 400 µm depending on used tools
Finishing exclusively limited to paper substrates (no plastic, no PVC, no PE/PP)

PRODUCTIVITY

Up to 5800⁽¹⁾ A4 sheets per hour (with 3 finishing functions)
Up to 3800⁽¹⁾ A3 sheets per hour (with 3 finishing functions)

PAPER FEEDING

A high capacity pneumatic feeder is provided with an air feed system. The paper capacity is up to 5,500 sheets (90 Gsm/ 24 lb bond) or 60 cm/23" paper height

REGISTRATION TABLE

The DF Pro Solo has its own offset feeder table with variable air vacuum to enhance an accurate finishing (+/- 0.2 mm)

HIGH CAPACITY STACKER

The DF Pro Solo has a high capacity stacker, a top loading stacker with laser guided stack adjustment. It has a capacity of up to 5,500 sheets (90 Gsm/ 24 lb bond) or 60 cm/23" paper height.

STANDARD FINISHING TOOLS

DF Pro Solo has two types of standard finishing tools:

- On-board tools
2 rotary blades for horizontal cutting
1 blade for vertical cutting
- Interchangeable tools
1 interchangeable tool for negative creasing (vertical)
Up to two tools can be simultaneously loaded and are automatically detected by the equipment. The unused tools are stored in a parking area with free slots.

NEW - SLITTING ⁽²⁾

1 Optional horizontal slitting tool for 2 up documents with adjustable central gutter from 5 to 15 mm (0.20 to 0.59").

CUTTING AND TRIMMING

- Trimming
2 standard rotary blades working horizontally in the range of 4 to 70 mm from each sheet edge
- Cutting
1 standard interchangeable tool for multiple vertical cuttings (min. 4 mm up to 120 mm between each cut)

VERTICAL CREASING ⁽³⁾

Multiple creasing available with a minimum gap of 2mm. Each tool includes two different creasing widths for a better fit with the various paper thicknesses.
3 steps of creasing strength

- 1 standard tool for a negative creasing (folding on the front side of the sheet)
- 1 optional tool for a positive creasing (folding on the back side of the sheet)

PERFORATING ⁽²⁾

3 steps of perforating strength
Perforating density is 11 TPI⁽⁴⁾, 17 and 26 TPI available as an option

- Horizontal direction
1 standard rotary blade up to 4 with option with a minimum gap of 30 mm/1.1" between each blade.
Continue or discontinue perforation fully under user's control.
Programmable by step of 1 mm / 0.04"
- Vertical direction
1 standard tool for multiple perforations across the entire width of the sheet. For discontinuous perforation, optional tool for a given perforation length.

DIGITAL PILOT AND SCREEN

User friendly touch-screen interface (14.5 cm/ 5.7" display)
Pre-defined formats
Up to 500 user templates

ELECTRICAL REQUIREMENTS

100-240V, 50-60Hz (1 phase 16A)

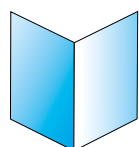
DIMENSIONS AND WEIGHT

Length x width x height : 320 x 76 x 120 cm/ 126" x 30" x 47"
(without the extensions for XL sheet sizes)
± 598 kg / 1,318 lbs

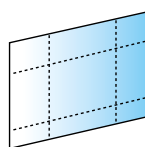
OPERATING ENVIRONMENT

Temperature: 10°C to 30°C - optimal 18°C to 25°C
Temperature: 50°F to 86°F - optimal 64°F to 77°F
Relative Humidity level: 30 to 70 % - optimal 40 to 60 % RH

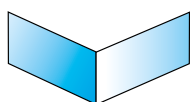
- (1) Finishing speed will vary according to finishing tools, paper size used
(2) Paper thickness from 90 to 300 Gsm or 300 µm depending on substrates
(3) Paper thickness from 100 to 400 Gsm or 400 µm depending on substrates
(4) TPI = Teeth Per Inch



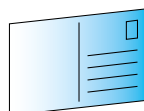
BROCHURES



VOUCHERS



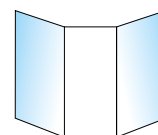
INVITATIONS



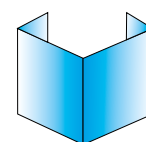
POST CARDS



BOOKS



MENUS



BOOK COVERS

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Operator / end-users are invited to submit substrates and foils to MGI for validation.