

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 stack, 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)

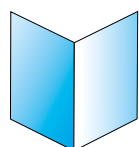
DIMENSIONS AND WEIGHT

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

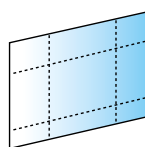
OPERATING ENVIRONMENT

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

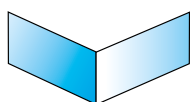
- (1) Finishing speed will vary according to finishing tools, paper size used
- (2) Paper thickness from 90 to 300 Gsm or 300 µm depending on substrates
- (3) Paper thickness from 100 to 400 Gsm or 400 µm depending on substrates
- (4) TPI = Teeth Per Inch



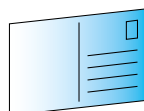
BROCHURES



VOUCHERS



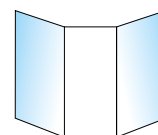
INVITATIONS



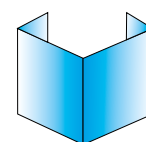
POST CARDS



BOOKS



MENUS



BOOK COVERS

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