



MGI
Digital Technology

100
Pages/min

METEOR DP1000 XL

*High Performance
Multi-Substrate Production Digital Press
for Paper & Plastics*

New



Innovation in Motion



Technical Specifications

Monochrome and Color Print Speed⁽¹⁾

Up to 100 A4 pages per minute
Up to 53 330 x 487 mm pages per minute
Up to 35 330 x 650 mm pages per minute

New electrophotographic System

256 levels per color (8 bit)
New long life toner (C,M,Y & K)

New Print Quality and Line Screens up to 3600 dpi

New predefined line screens, including 3 stochastic screens and 18 traditional line screens ranging from 130 to 270 lpi. High printing quality up to 3,600⁽²⁾ dpi

Format

- Min: 140 x 182 mm - 5.5 x 7"
- Max: 330 x 1,200 mm - 13 x 47" ⁽³⁾

Printing Area

Maximum printable area up to 323 x 1,113 mm / 12.7 x 43.8"

Supported Substrates

- **Paper**
Weights between 100 to 450 gsm / 27 lb bond up to 170 lb cover / 18 pt (or 450 µm ± 10 µm). Bristol, Matte Coated and Bright, Vergé®, Chromolux®, art papers, carbonless, etc.
- **Plastics**
Thicknesses between 100⁽⁴⁾ to 450 µm - 4 mil up to 18 mil
Print PVC⁽⁵⁾, Polyester, Polycarbonate, PET, Vinyle, Autotype, Teslin®, MDV®, Melinex®, Agfa Synaps®, Canvas/Holliston, etc.

Input

- **Integrated Pneumatic Feeder**
New air suction turbine system (TVS)⁽⁶⁾, more efficient and easier to setup.
2,400 sheets maximum capacity or 30 cm pile height
Weights from 100⁽⁷⁾ to 450 gsm or thicknesses from 100 to 450 µm / 4 mil up to 18 mil
Accepts all formats ranging from 148 x 210 mm to 330 x 1,200 mm / 5.8 x 8" to 13 x 47".
- **Integrated Tray**
500 sheets maximum capacity
Weights from 100 up to 260 gsm or 10 pt
All sizes included from 140 x 182 mm to 330 x 487 mm / 5.5 x 7" to 13 x 19"

Registration

Precise registration
(± 0,2 mm L-R and front-back, page-page ± 0,5 mm)

Feeder Table

Feeder table with fully motorized and automatic side lay guide.
Auto-adjusts for format width and paper skew
Ultrasonic double sheet detection system
Long format up to 1,200 mm / 47"

Infrared Lamp System (IRSL2)

System of infrared lamps for instant heating of substrates. The substrates are preheated before entering the print engine to optimize print surface and maximize quality

High Capacity Stacker

Top loading
Laser guided stack adjustment
Capacity of up to 5,000 sheets @ 100 gsm/29 lb bond

New Duplexing Unit

Auto duplex from offset feeder for substrates up to 350 gsm/ 130 lb cover and up to 330 x 487 mm / 13 x 19"

External Controller Fiery FSI 00 Pro System Windows 7 FES 64-bit

- Intel Core i5 2400 3.1 GHz Processor | TB HDD / 4 GB RAM / Internal DVD-RW Drive
Ethernet 10/100/1000 BT / Windows 7 Pro
22" LCD display / Keyboard / Mouse
- Languages and file formats supported
Adobe PostScript 1, 2 & 3, Adobe PDF PDF/X-1a, 3 and 4, Encapsulated PostScript (EPS)
- Variable Data Printing
Fiery FreeForm v1 and v2.1, PPML v3.0 PDF/VT 1 and 2, VPS compatible
- JDF/JMF Support
JDP v1.2.2 IDP ICS certified, CIP4 certified and third-party workflow solutions

Command Workstation 5.5

- Print queue management utilities with on demand reprinting.
Auto trapping
- Professional color management tool:
 - ✓ Profile management: CMYK (Euroscale Fogra, SWOP) and RGB (sRGB, Adobe RGB)
 - ✓ ICC/ICM (ProfilMaker, ColorMatch)
 - ✓ PANTONE+ certification with "Spot-On"
 - ✓ Built-in automatic color calibration
 - ✓ Integrated automatic calibration and external calibration with i1 Pro2 spectrodensitometer
- Two different line screens within the same print job:
 - ✓ One line screen for pictures
 - ✓ One different line screen for text/vector graphics

Personalization and Variable Data Printing

- 100% compatible with variable data management solutions: NEWLEAF & PReS PrintSoft, Bartender Seagull Scientific, Adobe InDesign, QuarkXPress, PrintShop Mail, etc.

Open Architecture - Mac/PC Compatible

- All DTP applications in both CMYK or RGB
Quark XPress, Adobe Illustrator, Photoshop, Acrobat, InDesign, Corel Draw, etc. ...
- All Office RGB applications
Microsoft Word, Excel, Publisher, etc. ...

Intelligent Substrate Management

- Unlimited customizable library of paper & synthetic substrates
- Substrate specific values for optimized printing include inking transfer, engine temperature, Infrared preconditioning temperature
- Touch screen interface

Options

- DF Pro - Inline digital finishing solution
Cut, crease and perforate in one pass

Electrical Power

- 230 V VAC ± 10 % ; 50/60 Hz ± 3 %
- 2 plugs 32A + 4 plugs 16A for a total of 16kW/64A

Operating Environment

- Required temperatures
15° to 30°C (59°F to 86°F)
Optimum between
18° to 23°C (64° to 73°F)
Maximum variation of 10°C (50°F) per hour
- Operating Humidity: 30% to 60% RH
Optimal condition: 40%
- Noise level: 69dB(A) at 50Hz

Physical Specifications

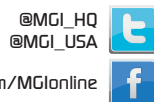
- Dimensions (L x H x W): 562 x 188 x 128 cm / 221 x 74 x 50"
- Weight: 1,150 kg / 2,535 lbs

The above specifications are referring to 100 gsm paper unless otherwise noted. Print speed will vary according to substrate length/minimum & maximum substrate thickness will apply.

- (1) without calibration and stabilization
- (2) equivalent to 1,200 x 1,200 dpi x 8 bit
- (3) max. paper weight 250 gsm
- (4) depending upon the material melting point
- (5) supported PVC thickness 200-400 µm
- (6) TVS - Turbine Vacuum System
- (7) 100 gsm is achievable after MGI technician setup



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Pre-launch brochure.

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



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