



MGI
Digital Graphic Technology

METEOR DP8700 S[®]

*4-Color Digital Press
Paper, Envelopes & Synthetic Substrates*



Innovation in Motion



Substrates

Paper

From 70 to 300 gsm, 20 lb bond up to 110 lb cover or 13 pt

Coated matte or glossy, card stock, textured, carbonless, and standard offset papers

Envelopes

With or without windows (DL, C5 & C4 / #10, 6x9" & 9x12")

Synthetic Substrates

Such as Teslin®, Folex® etc.



Intelligent Substrate Management

Dedicated touch screen with built-in substrate library which automatically adjusts all print settings inside the engine to optimize the printability of each paper, envelope and synthetic. Maximize productivity by saving specific heat and transfer settings for later recall.



New Hi-Def Toner

Dry, silicone free toner - Smaller particles

Higher color consistency - **Eco-friendly formula** - Long life toner

Ability to swap on-the-fly without interrupting production



A TRUE COMPETITIVE ADVANTAGE...

The Meteor DP8700 Series is the new generation of professional digital presses for productivity, quality, cost-effectiveness, flexibility and reliability in the graphic industry

Expand your scope of applications with the variety of paper substrates the **Meteor DP8700 S** can accommodate up to 300 gsm / 110 lb cover / 13 pt. With compatible paper types including bristol, matte, glossy, CIS-C2S, Kromekote, Teslin®, linen, art-textured, and labels, the offers you new opportunities that translate into higher sales and profitability. You no longer sell simple color printing but sophisticated documents with full variable data and personalization, generating real added value.

The Power of Personalization and Variable Data Management!

The possibility of personalizing on-demand printing is revolutionizing the printing industry

The powerful RIP allows you to be proactive and cost-effective when managing variable data for short and medium print runs.

Target your customers personally and individually

Personalized printing enables your customers to communicate to their targets individually, with applications such as personalized advertising, automatic numbering, bar codes, alphanumeric databases and photos, on virtually any paper substrate of your choice.

Paper printing today is a rapidly changing market that demands

- Substrate flexibility in quality, diversity and thickness.
- Faster than ever, the **Meteor DP8700 S** can produce up to 4,260 A4/letter pages per hour in 4-Color process.
- Autocalibration of colors using an integrated densitometer to ensure color consistency during production runs and reprinting.
- Automatic duplexing is available on all feeding options for paper up to 260 gsm / 96 lb cover / 10 pt.

is the Difference



 **Envelope Production**
 Formats include
DL, C5 & C4 / #10, 6x9" & 9x12"
 with the new optional envelope kit

 **High Performance RIP**

The powerful Fiery® System 9r2 RIP allows you to get the most from your Meteor press. The flexible and scalable Fiery server delivers amazing precision, **blazing speed, and perfect color every time.**

 **High Quality Output up to 3600 dpi/270 lpi**

5 stochastic screens with new anti-moiré feature
 20 traditional line screens to fit all types of jobs
 Screens in 95, 130, 150, 170, 200 and 270 lpi
 Anti-counterfeiting screen pattern
 8 laser beam technology
 256 shades per color (8 bit)

Assign up to 2 unique line screens within the same print job:
One line screen for pictures
One different line screen for text/vector graphics

 **CUSTOMER APPLICATIONS ON PAPER, ENVELOPES & SYNTHETIC SUBSTRATES**
 FROM 70 UP TO 300 GSM / 20 LB BOND UP TO 110 LB COVER / 13 PT





Technical Specifications

Monochrome and Color Print Speed⁽¹⁾

- Up to 4,260 A4/letter pages per hour
- Up to 2,280 A3 pages per hour
- Up to 3,300 envelopes per hour

New Electrophotographic System

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

New Print Quality and Line Screens up to 3600⁽²⁾ dpi

- New predefined line screens, including 5 preset stochastic modes (random dot pattern FM)
- 20 traditional line screens ranging from 95 to 270 lpi

Format

- **Min:** 100x148 mm⁽³⁾ - 3.9x5.8"
- **Max:** 330x487 mm - 13x19"

Maximum Print Area

- Up to 321x481 mm - 12.6x18.9"

Supported Substrates

- **Paper**
Weights between 70 to 300 gsm / 20 lb bond up to 110 lb cover or 13 pt (or 300µ ± 10µ). Bristol, Matte Coated and Bright, CIS/C2S, Chromolux[®], Kromekote, Vergé[®], Art Papers, textured, carbonless, etc.
- **Synthetics**
Specific substrates such as Teslin[®] and Folex[®]
- **Envelopes⁽⁴⁾**
Envelopes both with or without window (C5, DL & C4 / #10, 6x9" & 9x12") with the optional envelope kit

Input

- **3 Internal Trays (#1,2 & 3)**
1,500 sheet total capacity (500 per tray)
Weights from 70 to 260 gsm or 10 pt
All sizes included from 140x182 mm to 330x487 mm
5.5x7.2" to 13x19" - Ability to link trays
- **2 High Capacity Trays (#4 & 5)**
 - ✓ Tray 4
3,400 sheet total capacity
From 70 to 260 gsm or 10 pt
All sizes included 100x182 mm to 330x487 mm
3.9x7.1" to 13x19" - Ability to link trays
 - ✓ Tray 5
3,400 sheet total capacity
From 70 to 300 gsm or 13 pt
All sizes included from 100x148 mm to 330x487 mm
3.9x5.8" to 13x19" - Ability to link trays

Registration

Precise registration. Comparable to offset, applies to all printed works (front-back, page-page at ± 0.5 mm)

Output

- **Standard**
 - ✓ Vibrating jogging table
Accommodates sheets up to 40x50 cm/15x19" and a paper pile up to 8 cm/3.1" high
- **Option**
 - ✓ High capacity pile stacker
Up to 6,000 sheets at 80 gsm (60 cm/24" high) automatic height adjustment
 - ✓ High capacity envelope conveyor (130 cm/51" long)

Duplexing

Auto duplex up to 260 gsm / 96 lb cover or 10 pt

- **From all 5 trays**
 - ✓ **Min size:** 100x148 mm⁽³⁾/ 3.9x5.8"
 - ✓ **Max size:** 330x487 mm / 13x19"

Fiery[®] RIP Pro80 V3.0 - System 9r2

- **Intel Core 2 Quad 2.66 GHz.**
- **Languages and datastreams supported:**
 - ✓ Adobe PostScript Level 3, PPML 2.2 (PODi certified) and VPS (variable data management), TIFF and PDF 1.7
 - ✓ JDF compliant
 - ✓ Print queue management utilities with on-demand reprinting
 - ✓ Auto trapping
 - ✓ Professional color management tools
 - ✓ Profile management: CMYK (Euroscale Fogra, SWOP) and RGB (sRGB, Adobe RGB)
 - ✓ ICC / ICM, (ProfileMaker, ColorMatch)
 - ✓ PANTONE certification with "Spot-On"
 - ✓ Built-in automatic color calibration
 - ✓ Integrated automatic calibration and external calibration with Eye-One[®] spectrodensitometer
- **New feature - assign up to 2 different line screens within the same print job:**
 - ✓ One line screen for pictures
 - ✓ One different line screen for text/vector graphics

Fiery Command WorkStation[®] 5

Separate PC with Intel Pentium Dual Core Processor E6700 (3.20 GHz) - 3072 MB RAM - 320 GB SATA hard disk - Windows 7 Professional (32 bit) - 19" screen

- ✓ Centralized job management
- ✓ Flexible previews
- ✓ Cohesive tool integration

Personalization and Variable

Data Printing

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

Compatibility with VDP languages:

- ✓ PPML 2.2 (PODi certified)
- ✓ FreeForm and FreeForm 2
- ✓ Creo VPS

Open Architecture - Mac/PC

Compatible

- **All DTP applications in CMYK and RGB**
Adobe InDesign, Illustrator, Photoshop, Acrobat, Quark XPress, Corel Draw, etc.
- **All Office RGB applications**
Microsoft Word, PowerPoint, Excel, etc.

Intelligent Substrate Management

Unlimited customizable library of paper & synthetic substrates. Touch screen interface

- **Substrate value settings including:**
Inking transfer, engine temperature, preconditioning temperature, V.B.R.S (Vibration and Banding Reduction System) on heavy stock.

Electrical Power

230 V VAC ± 10% ; 50/60 Hz ± 3%
9.5 kW maximum, 42 A

Operating Environment

- **Required temperature:** 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 50% RH
Optimal condition: 40%

Regulations and Safety Standards

UL, cUL, FCC-B, DOC, VCCI, CE Marking, C-Tick, CDRH, GOST
Environmental Standards:
Energy Star, WEEE, RoHS Safety
Standard: ISO 15 408

Physical Specifications

Dimensions (L x H x W):
350x192x143 cm / 138x76x 56"
Weight: 838 kg / 1,847lbs

The above specifications are referring to 80 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 1200 x 1200 dpi x 8 bit
- (3) from tray 5
- (4) an additional and specific fuser is required for envelope production printing



Europe/Middle East/Africa/Russia
161, Avenue de Verdun
94204 Ivry-sur-Seine Cedex - FRANCE
Tel: +33 (0)1 45 21 06 60
Fax: +33 (0)1 45 21 14 90
info@mgi-fr.com
www.mgi-fr.com



@MGI_HQ
@MGI_USA



facebook.com/MGIonline

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



Americas/Caribbean/Asia Pacific
3143 Skyway Circle
Melbourne, FL 32934 - USA
Tel: +1 321 751 6755
Fax: +1 321 751 6777
info@mgi-usa.com
www.mgi-usa.com