



**MGi**  
*Digital Technology*

# ***METEOR DP8700 S+***

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

**New**



***Innovation in Motion***

## Substrates

### Paper

From 65 to 350 gsm, 23 lb bond up to 130 lb cover or 16 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.

## New Hi-Def Toner

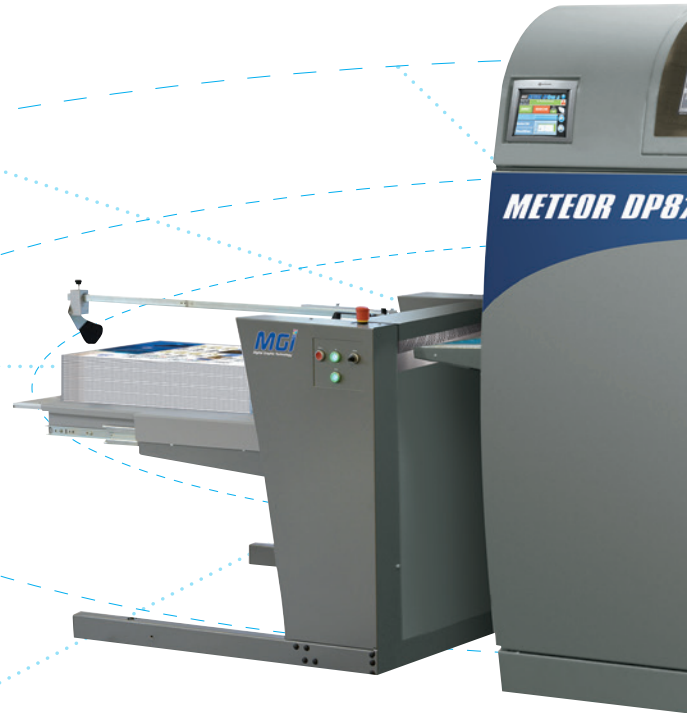
**Dry, silicone free toner** - Smaller particles

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

Ability to swap on-the-fly without interrupting production

## Registration

The new Automated Skew and Centering Adjustment (ASCA) system allows for on-the-fly registration. This involves several step motors and optical sensors and works without any operator involvement. The ASCA system is enabled for each printed side, allowing a very high and consistent registration for all automatic simplex and duplex jobs.



## 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 350 gsm / 130 lb cover / 16 pt. With compatible paper types including bristol, matte, glossy, C1S-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 external controller 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 300 gsm / 115 lb cover / 13 pt.

# is the Difference

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



### Resolution of up to 3600 dpi/270 lpi

3 new stochastic screens with *anti-moiré* feature.

18 traditional line screens to fit all types of jobs.

Screens in 130, 150, 170, 200 and 270 lpi.

256 shades per color (8 bit).

Two different line screens within the same print job.



## High Performance External Controller



Delivering print almost 2.5 times faster than its predecessor, the new EFI Fiery FS100 Pro platform is ideal for complex jobs with VDP, enhanced color management and workflow automation tools.

## 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.

## Envelope Production



Formats include

**DL, C5 & C4 / #10, 6x9" & 9x12"**

with the optional specific fuser and from tray 5 only.

## CUSTOMER APPLICATIONS ON PAPER, ENVELOPES & SYNTHETIC SUBSTRATES

FROM 65 UP TO 350 GSM / 23 LB BOND UP TO 130 LB COVER / 16 PT





# Technical Specifications

## Monochrome and Color Print Speed<sup>(1)</sup>

- 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

- 4 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<sup>(2)</sup> 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:** 100 x 150 mm<sup>(3)</sup> - 3.9 x 5.9"
- **Max:** 330 x 487 mm - 13 x 19"

## Maximum Print Area

- Up to 323 x 480 mm - 12.6 x 18.9"

## Supported Substrates

- **Paper**  
Weights between 65 to 350 gsm / 23 lb bond up to 130 lb cover or 13 pt (or 350µ ±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<sup>(4)(5)</sup>**  
Envelopes both with or without window (C5, DL & C4 / #10, 6x9" & 9x12")

## Input

- **2 Internal Trays (trays #1 & 2)**  
1,500 sheets total capacity (500 + 1,000 sheets)  
From 65 up to 260 gsm or 10 pt  
Formats from 140 x 182 mm / 5.5" x 7.1"  
up to 330 x 487<sup>(6)</sup> mm / 13" x 19"  
Tray linking
- **3 trays linking high capacity feeder with air feed system**
  - ✓ Tray #3  
1,390 sheet capacity  
From 65 to 300 gsm or 13 pt  
Formats from 100 x 150 mm / 3.9" x 5.9" to 330 x 487 mm / 13" x 19"
  - ✓ Tray #4  
1,390 sheet capacity  
From 65 to 300 gsm or 13 pt  
Formats from 100 x 150 mm / 3.9" x 5.9" to 330 x 487 mm / 13" x 19"

- ✓ Tray #5  
1,390 sheet capacity  
From 65 to 350 gsm or 17 pt  
Formats from 100 x 150 mm / 3.9" x 5.9" to 330 x 487 mm / 13" x 19" and envelopes

## 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 40 x 50 cm/15 x 19" 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 300 gsm / 115 lb cover or 13 pt

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

## External Controller Fiery FS 100 Pro System Windows 7 FES 64-bit

- Intel Core i5 2400 3.1 GHz Processor
- 1 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 spectrophotometer
- 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 & PRoS 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 trays 3 to 5  
(4) an additional and specific fuser is required for envelope production printing  
(5) from trays 4 & 5  
(6) Max.A3 / 11" x 17" format for tray 1



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



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