MGi
Digital Technology

METEOR DP8700 XL +
Multi-Substrate XL Digital Press
Paper, Plastics & Envelopes
330 x 1,200 mm - 13 x 47"

METEOR DP8700 XL +

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By MGi

1,200 mm - 47"

Innovation in Motion

METEOR DP8700 XL+

EnvelopExpress Pro®

DF Pro

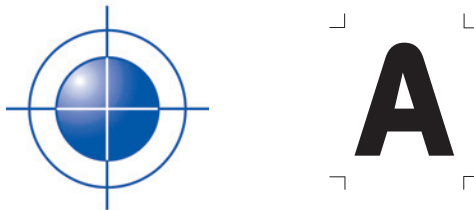### Printing on Paper, Plastics and Envelopes

- Paper from 65 to 400 gsm
- Plastic and synthetics from 100 to 400 µm
- Envelopes up to 150 gsm

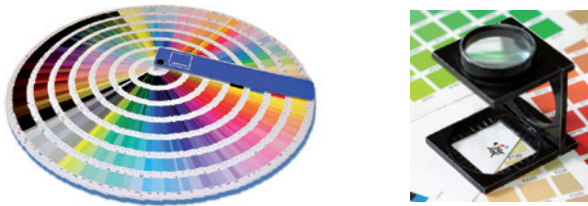### Printing Formats from 100x148mm up to XL+ 330 x 1,200 mm

- Extend your capabilities and impress your customers
- Tri-fold in A3 portait or landscape
- Folded brochure up to 1,200 mm long
- Optimize your prints with more n-up: Letterhead, business card, book cover, brochure, mailing piece, invitation card, etc.

Precise Registration Including in Duplex

A

- Auto-adjusting offset feeder table
- Quick format changes
- Registration at ± 2/10° mm
- New automatic skew and centering adjustment
- Duplex jobs professionnally registered
- Automatic duplexing up to 300 gsm

Enhanced Color Management

- Compliant with FOGRA39-ISO 12647 standard
- Pantone+ and Spot Colors fully controlled
- High color stability from first to last page
- Professional color management tools i1 Pro 2
- New powerful external controller Fiery FS100 Pro to control and automate production flow
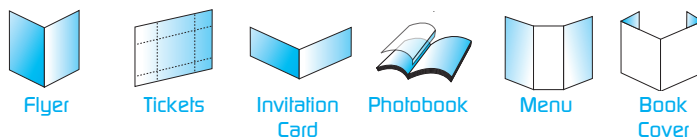
Envelope Production with EnvelopeExpress Pro

- All standard formats (DL/C5/C4 - 6x9"/#10)
- Fast in production, up to 3,000 DL/hour
- On-the-fly envelope reloading
- All kinds of envelopes, with/w-o windows
- Unleash the power of VDP envelopes
- Deliver high value products to your customers

Productivity with Digital Finisher Pro Inline module

- Print and Finish in one pass, one operator
- Trim, Crease and Perforate alone or combined
- Up to 4,260 finished sheets/hour
- From 105 x 148 mm to 330 x 1,200 mm
- With pass-through mode when necessary

Flyer   Tickets   Invitation Card   Photobook   Menu   Book Cover

✚ Printing capabilities up to 330 x 1,200 mm and 400 gsm

The Digital Press **Meteor DP8700 XL+** opens you the doors to an even larger spectrum of profitable applications.
A truly unique digital press that allows for a large choice of formats combined with a broad range of substrates and thicknesses now up to 400 gsm.
Thanks to the various input systems, there is always a solution to handle the required substrate at hand:
• The auto-adjusting offset feeder table feeds substrates from 100 x 200 mm up to the optional XL+ format of 330 x 1,200 mm
• The pneumatic feeder allows to load 3,000 sheets in the above formats and up to 400 gsm/400 µm.
• The two internal trays with a total paper capacity of 1,500 sheets handle formats ranging from 140 x 182 mm to 330 x 487 mm
• The bypass is convenient way to load sheets from 100 x 148 mm to 330 x 1,200 mm and up to 50 envelopes at any time.
• The overall productivity allows for:
- ✔ up to 4,260 A4 sheets per hour
- ✔ or 2,280 A3 sheets per hour
- ✔ or 1,200 330 x 650 mm sheets per hour
- ✔ and 600 330 x 1,200 mm sheets per hour

✚ Enhanced Print Registration

The new **Meteor DP8700 XL+** includes new systems to deliver a more precise and automated print registration.

• The fully automated offset feeder table has a tolerance of ± 2/10° mm registration to all substrates loaded

• 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.

✚ Professional Color Management

The new **Meteor DP8700 XL+** has major enhancements to color fidelity and rendering thanks to new toner and the new external controller Fiery FS100 Pro.

• The toner uses more components from the biomass, (i.e from vegetal sources) which reduces environmental impact. They are melting at a lower temperature, requiring less electricity power to print. The warming-up stages are reduced. The toner are using denser dyes and smaller and more regular particles for larger gamut and delivering richer tones and colors.

• During production the color stability is continuously monitored thanks to a the on-board **spectro-photodensitometers**. The external calibration is ensured with Eyeone Pro provided as standard. Furthermore, it allows for color management optimization and allows you to create your own color and substrates profiles.

• Thanks to the new external controller Fiery FS100 Pro, all your printed files are processed under the latest industry standard ISO Fogra39-12647. The color management is improved and the color produced are similar with other printing devices (offset, plotter, flexo) that are compliant with this standard.

• The external controller Fiery provides various tools to optimize and customize your prints without having to go back to pre-press.

• Variable data printing using PPML, FreeForm or Creo VPS workflows will satisfy your most demanding needs and will bring added value to all your jobs (mailing pieces, envelopes with printed address, fidelity cards, ...).

METEOR DP8700 XL+

Discover the new XL+ format, 330 x 1,200 mm - 13 x 47"

Substrates

Paper from **65 to 400 gsm**, 17 lb bond up to 147 lb cover / 16 pt Coated matte or glossy, card stock, textured, carbonless and standard offset papers.

Plastics and Synthetics

From **100 to 400 μm** PVC 4 mil to 18 mil Polycarbonate, Polyester, PET, Vinyl, Teslin® and more...

Format

Min. size: 100 x148 mm /3.9 x 5.8"
Max. size (standard):
330 x 650 mm/13 x 26"
Max. size (with option):
330 x 1,200 mm / 13 x 47."
Automatic duplex up to
300 gsm / 136 lb bristol / 12 pt.

Envelopes

With or w/o windows
Formats include DL, C5 & C4
6 x 9", #10 etc.
Paper weight up to 150 gsm.

New Toner

Includes green technologies
New formula with componants from the biomass.
New denser dyes with smaller particules for a large gamut and more vibrant colors.
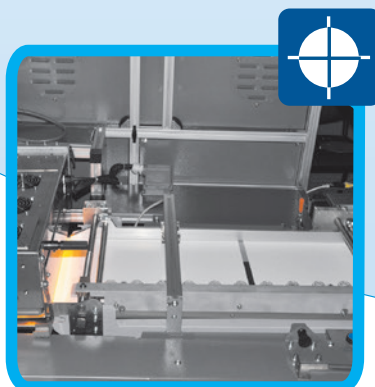New higher yield toner cartridges.

Intelligent Substrate Management

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

Auto-adjusting Offset Feeder Table

The **auto-adjusting offset feeder table** will automatically adjust the side lay guides on the press to best correspond to all of your formats, adjusting even for paper skew.
A new variable strength suction transport belt allows for a **± 0.2 mm registration.**
Ultrasonic Double sheet detection system.

DISCOVERING NEW HORIZONS, NEW LIMITS

Up to 4,260 A4 sheets per hour or 2,280 A3 sheets

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.
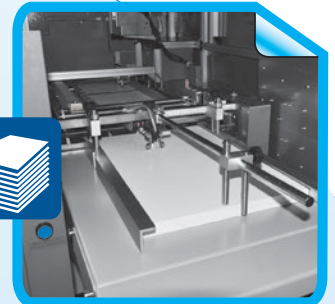
New Powerful EFI External Controller

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.

High Capacity Pneumatic Feeder and Stacker

Friction free suction feeding
Capacity of 3,000 sheets or 30 cm/12" deep.
Feed papers up to 400 gsm/147 lb cover/16 pt. and plastics up to 400 μm/18 mil.
Feed up to 1,200 mm/47" via optional XL+ Format kit.

Stacker
High volume laser guided stacker for output.
Stack up to 6,000 sheets of paper or 60 cm/23" depth.

Computer stand not included

Efficient Envelope Production

Formats include DL, C5 & C4 / 6 x 9", #10.
Optional EnvelopeExpress Pro feeder with quick installation allows DL/C5 envelope production.
EnvelopeExpress Pro is a true margin generator when VDP is involved.

New XL+ Format up to 1,200 mm/47"

1200

A format once reserved solely for the offset world, the **Meteor DP8700 XL+** can print sheets up to 1,200 mm (47") in length, the ONLY sheetfed production digital press with this capability. Print personalized banners, calendars, panoramic photographs, brochures, signage and more, all on-demand and in quantities as little as one.

Freedom to print and personalize envelopes

Envelope production* can be an instant game changer for your business. Whether you are printing high quality 4-Color logos on envelopes (supplementing an offset run), or printing variable data for direct mail applications, the **Meteor DP8700 XL+** can bring in serious profits for your business. Go from the typical DL envelope all the way to the C5 envelopes with or w/o windows, all on demand.

An ideal solution for short and medium run jobs, **EnvelopeExpress Pro** allows customers to easily integrate four-color process and fully personalized envelope (with variable data) printing capability into their digital portfolio. **EnvelopeExpress Pro** allows for continuous delivery of up to 400** envelopes at a time, maximizing output volume without interruption of the production cycle of up to 3,000 envelopes per hour.

The EnvelopeExpress Pro accommodates a wide range of envelope formats (with or without windows) including DL & C5 / 6x9" & #10.
Produce envelopes with bright, vivid colors and variable data to satisfy even the most demanding of customers, while offering true value-added that help increase your margins.

* An additional and specific fuser is required for envelope production printing

** Using DL envelope at 80 gsm

Meteor DP8700 XL+ and EnvelopeExpress Pro

Variable Data Printing (VDP)

Meteor DP8700 XL+ : *the Power of Personalization and Variable Data Management!*

Meteor DP8700 XL+ and its external controller offers compatibility with the following variable data printing languages, which are used with most popular VDP software programs:

- PPML 3.0 (PODi certified),
- FreeForm and FreeForm 2,
- Creo VPS.

Manage files "on the fly" or by batch process.
Variable text, graphics, bar codes and images
On-demand archiving and reprinting capabilities.

Full Personalization: customize your content to target your customers individually

Documents are fully customized to be relevant to your audience, and can be custom-tailored to specific individuals or groups, be it static, personalized, or segmented data. Applications include personalized advertising, automatic numbering, bar codes, alphanumeric databases and photos, on virtually any paper or plastic substrate.

Paper based Applications from 65 up to 400 gsm - 17 lb bond up to 147 lb cover

- Letterhead
- Invitations
- Greeting Cards
  up to 400 gsm

- Labels
- Transparencies
- POP signage

- Posters
- Postcards,
- Folders, etc ...
  up to 400 gsm

Art Paper

Adhesives Translucent Stock

- Notecards
- Business Cards
- Stationary

- Brochures
- Leaflets
- Flyers, etc ...
  up to 400 gsm

Chromolux Kromekote

Bristol

- 330 x 650 mm
  13 x 26"
- 330 x 1,200 mm
  13 x 47"

Glossy & Matte Coated paper

Super Format

Letterhead

Envelopes w/wo window

Tri & Quad Fold

Flyers & Brochures

METEOR DP8700 XL+ 330x1200 mm

Super Format applications

Business Cards

Calendars

Book Covers

Direct Mail w/VDP

GOURMAND

Photo Book

Packaging

POS materials

Plastic Based Applications from 100 up to 400 μm - 4 MIL up to 18 MIL

Plastic based Applications from 100 up to 400 μm - 4 mil up to 18 mil

Personalized Smartchip Cards

Secure Cards With HiCO or LoCO Magnetic Stripes

Personalized RFID Cards

Store Tags

Outdoor Tags

Backlit Panels (Polycarbonate)

Synthetic Materials

Luggage Tags

Membership Cards

BAILEYS Minis

BAILEYS Minis

PVC Blister

Mouse Pads

Placemats

Adhesive Labels (Vinyl, Matte & Transparent)

PVC
- Standard and Uncoated
- With/wo ABS from 200 to 400 μm

Polycarbonate
- White / Transparent
- Coated or Uncoated from 125 to 400 μm

POS materials

Polyester
- Polyethylene
- Polypropylene from 100 to 400 μm

Teslin
- Thermostabilized from 250 to 400 μm

Adhesives
- Starting from 100 μm
- Polyester adhesives
- Matte or Glossy

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 1,560 330 x 600 mm pages per hour

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 sceens ranging from 130 to 270 lpi. High printing quality up to 3,600[2] dpi

Format
- Min: 100 x 148 mm - 3.9 x 5.8"[3]
- Max: 330 x 650 mm - 13 x 25.6" standard[4] or 330 x 1,200 mm - 13 x 47" with option[4]

Printing Area
New extended printable width up to 323 mm/ 12.7". Maximum printable area up to 323 x 1,193 mm/ 12.7 x 46.9" (with option)

Supported Substrates
- **Paper**
  Weights between 65 to 400 gsm / 17 lb bond up to 147 lb cover / 16 pt (or 400 µm ±10 µm). Bristol, Matte Coated and Bright, Vergé®, Chromolux®, art papers, carbonless, etc.
- **Plastics**
  Thicknesses between 100[5] to 400 µm - 4 mil up to 18 mil
  Print PVC[6], Polyester, Polycarbonate, PET, Vinyle, Autotype, Teslin®, Yupo®, Melinex®, Agfa Synaps®, Canvas/Buckram, etc.
- **Envelopes**
  Envelopes with or without windows, paper weight up to 150 gsm

Input
- **2 trays**
  1,500 sheets total capacity (500 + 1,000 sheets)
  Weights from 65 up to 260 gsm or 10 pt
  All sizes included from 140 x 182 mm to 330 x 487 mm[7]
  5.5 x 7.2" to 13 x 19" - Ability to link trays
- **Bypass**
  250 sheets capacity from 65 up to 300 gsm
  Includes formats from 100 x 148 mm to 330 x 1,200 mm (with option) / 3.9 x 5.8" to 13 x 47" DL, C5 & C4 envelopes
- **Integrated Pneumatic Loader**
  3,000 sheets maximum capacity
  Weights from 150[8] to 400 gsm
  or thicknesses from 100 to 400 µm/ 4 mil up to 18 mil
  Accepts all formats ranging from 100 x 220 mm to 330 x 1,200 mm / 3.9 x 8.7" to 13 x 47" (with option).
  The feeder module is thermoregulated for the moisture stabilization of substrates

EnvelopExpress Pro (option)
A high speed envelope feeder quick to install and allows for the efficient production of envelopes; DL & C5 / 6x9", #10. Up to 3,000 DL envelopes per hour

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

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 6,000 sheets @80 gsm/ 20 lb bond
Optional envelope stacking table

New Duplexing Unit
Auto duplex from 2 trays, bypass and offset feeder for substrates up to 300 gsm/ 136 lb bristol and up to 330 x 487 mm/13 x 19"

External Controller Fiery FS100 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 managment 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

Electrical Power
- 230 V VAC ± 10 % ; 50/60 Hz ±3 %
- 2 plugs 32A + 3 plugs 16A for a total of 15 kW/59A

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: 69 dB(A) at 50 Hz

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

Physical Specifications
- Dimensions (L x H x W): 506 x 181 x 113 cm / 199 x 71 x 44"
- Weight: 1,087 kg / 2,396 lbs

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 1,200 x 1,200 dpi x 8 bit
(3) from bypass
(4) max. paper weight 250 gsm
(5) depending upon the material melting point
(6) supported PVC thickness 200-400 µm
(7) Max. A3 / 11" x 17" format for tray 1
(8) 100 gsm is achievable after MGI's change

MGI

Europe/Middle East/Africa/Russia
4, rue de la Méridienne
94260 Fresnes - FRANCE
Tel : +33 (0)1 45 21 06 60
Fax : +33 (0)1 46 68 71 55
info@mgi-fr.com
www.mgi-fr.com

@MGI_HQ
@MGI_USA

facebook.com/MGIonline

MGI

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