

MGI

Digital Graphic Technology

METEOR DP8700 XL

Multi-Substrate XL Digital Press
for Papers, Plastics & Envelopes

330 x 1020 mm



30 Years
Of Innovation



Substrates

Paper

- From 70 to 350 gsm
- Coated matte or glossy, card stock, textured, carbonless and standard offset papers

Envelopes

- With or without windows
- Formats from C5 to C4
- Thickness of up to 400µ/16mil

Plastics and Synthetics

- From 100 to 400 µ PVC/4 mil to 16 mil
 - Coated/uncoated, polycarbonate, polyester, PET, vinyl, Teslin, Yupo and more...
- The widest choice of formats**

Minimum size: 100 x 148 mm

Maximum size (standard): 330 x 650 mm

Maximum size (with option): 330 x 1020 mm

Automatic duplex up to 260 gsm



New Hi-Def Toner

- Dry, silicone free toner
- Smaller particles
- Higher colour consistency
- Eco-friendly formula
- Long life toner
- Ability to swap on-the-fly without interrupting production



High Performance RIP



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

High Quality Output up to 3600 dpi/270 lpi

- Resolution of 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 colour (8 bit)



Assign up to 2 unique line screens within the same print job:

1 line screen for pictures

1 different line screen for text/vector graphics

Intelligent Substrate Management

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



1020 Super Format 1020 mm

A format once reserved solely for the offset world, the Meteor DP8700 XL can print sheets up to 1020 mm in length, the **ONLY** sheetfed production digital press with this capability.



Print personalised banners, calendars, panoramic photographs, brochures, signage and more, all on-demand and in quantities as little as one.

Auto-adjusting Offset Feeder Table

The new **auto-adjusting** offset feeder table will automatically adjust the side lay guides on the press to best correspond to all of your currently printed formats, adjusting even for skew should the paper be cut wrong. A new variable strength suction transport belt allows for a **± 0.2 mm registration.**



Envelope Production

- Print all formats with or without windows such as **C5, C4 & DL**
- New optional EnvelopExpress Pro feeder with quick installation allowing for efficient envelope production



High Capacity Pneumatic Loader & Stacker

Friction Free Suction Feeding

- Capacity of 3000 sheets or 30 cm deep
- Feed papers up to 350 gsm and plastics up to 400 µ/16 mil
- Feed up to 1020 mm via optional Super Format kit

Stacker

- High volume laser guided
- Stacker for output
- Stack up to 6000 sheets of paper or 60 cm depth
- Removable wheeled cart

Create XL Applications Formats up to 1020 mm long

A format once reserved solely for the offset world, the **Meteor DP8700 XL** can print sheets up to 1020 mm in length - the **ONLY** sheetfed production digital press with this capability. So if your customer wants a short run of gate-folded brochures with 8 A4/letter pages on one sheet, they no longer need to print a minimum quantity or pay setup costs for a 72 x 105 offset press. Print personalised banners, calendars, panoramic photographs, brochures, signage and more, all on-demand and in quantities as little as one.

Super Format Applications

- Tri Fold Brochures
- Book Covers with Flaps
- Menus
- Point of Sale Material
- Banners
- Signs
- Panoramic Photos

The only limit is your imagination!



Print & Personalise 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 C4 envelope, with or without windows, all on demand.

An ideal solution for short and medium run jobs, the EnvelopExpress Pro allows customers to easily integrate four-color process and fully personalised envelope (with variable data) printing capability into their digital portfolio. EnvelopExpress Pro allows for continuous delivery of up to 500* envelopes at a time, maximising output volume without interruption of the production cycle of up to 2,500 envelopes per hour.



The new EnvelopExpress Pro Envelope Feeder

The EnvelopExpress Pro accommodates a wide range of envelope formats (with or without windows) including **C5, C4 & DL**. For non standard envelope sizes, the supported lengths are ranging from 200 mm up to 300 mm.

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.

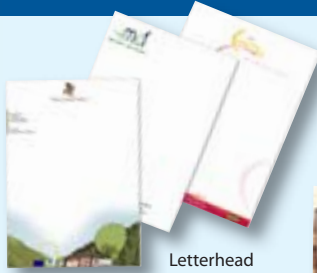
*using DL envelope at 80 gsm



Paper Based Applications 70 up to 350 gsm



Envelopes with/
without Window



Letterhead



Business Cards



Tri & Quad Fold



POS Material



Packaging



Calendars



Direct Mail with Variable Data



Flyers & Brochures



Photo Books



Book Covers



Super Format Applications

Glossy & Matte Coated Paper

- Brochures
- Leaflets
- Flyers

Chromolux/Kromekote

- Posters
- Postcards
- Folders

Art Paper

- Letterhead
- Invitations
- Greeting Cards

Adhesives/Translucent Stock

- Labels
- Transparencies
- POP Signage

Bristol

- Notecards
- Business Cards
- Stationery

Super Format

- 330 x 650 mm
- 330 x 1020 mm

Plastic Based Applications 100 up to 400 μ



ID Bracelets



Adhesive Label
(Vinyl, Matte & Transparent)

Luggage Tags



Outdoor Tags



Point of Sale
Material



Mouse Mats



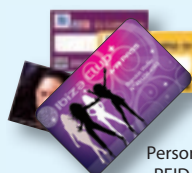
Membership Cards



Personalised
Smartchip Cards



Placemats

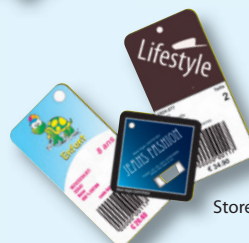


Personalised
RFID Cards

Control Panels
(Polycarbonate)



Synthetic Materials



Store Tags

PVC

- Standard and Uncoated
- With/without ABS (210 to 400 μ)

Polycarbonate

- White/Transparent
- Coated or Uncoated (125 to 400 μ)

Polyester

- Polyethylene
- Polypropylene (100 to 400 μ)

Teslin

- Thermostabilised (250 to 400 μ)

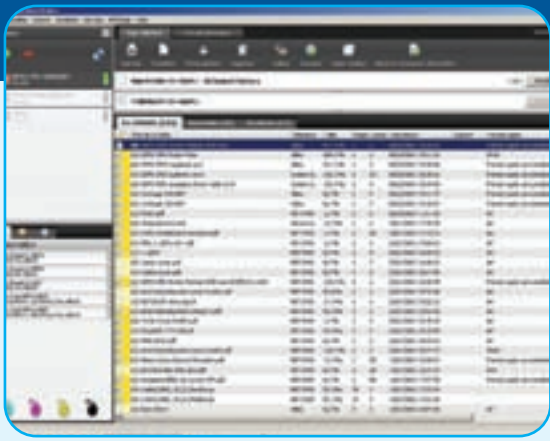
Adhesives

- Starting from 100 μ
- Polyester Adhesives
- Matte or Glossy

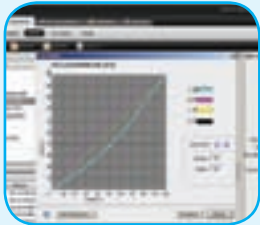


Secure Cards
with HiCo or LoCo
Magnetic Stripes

The Efficient Workflow



Command WorkStation Main Screen



Other functions accessible through the Command WorkStation

Let the Fiery RIP efficiently manage both your workflow and colorspace

RIP

The Fiery® System 9 RIP ensures the highest productivity and most accurate and vivid color for digital printing. Key features include automated image enhancement and support for Adobe PostScript 3 & PDF 1.7 environments, along with hot folders. The built-in JDF feature provides a simple and powerful solution for those environments requiring integration between JDF-enabled systems.

Fiery Command WorkStation®

Command WorkStation delivers power and performance to high-end print environments and offers unmatched color output, extensive variable data printing capabilities, and superior workflow management. Makes managing demanding workflows easier by centralising job management tasks.

- Advanced imposition capabilities
- Variable data printing
- User-friendly interface
- Integrated densitometer for automatic calibration

Color Wise ProTools

- Complete CMYK and RGB profile management
- "SPOT ON" automatic management of PANTONE® colors
- Auto Trapping



Variable Data Printing

Meteor DP8700 XL

The Power of Personalisation and Variable Data Management!

Meteor DP8700 XL enables you to be proactive and cost-effective when managing variable data projects.

Meteor DP8700 XL and its RIP offers compatibility with the following variable data printing languages, which are used with most popular VDP software programs.

- PPML 2.2 (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 Personalisation: Customise your content to target your customers individually

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



Envelopes
C5 to C4



ID Bracelets

Innovative & Competitive Solutions



MGI France



MGI USA



MGI France Showroom, featuring a 500 sq meter room with training class facilities

Printing through Finishing

As a world leader in digital printing and finishing, **MGI Digital Graphic Technology** has provided groundbreaking and value-added solutions for the graphic industry over the past 30 years.

Founded in 1982, MGI Digital Graphic Technology is a public company listed on the Paris Stock Exchange, NYSE/Alternext (ticker: ALMDG).

A Global Presence in over 70 Countries

MGI FRANCE Serves France, Europe, the Middle East, Africa and Russia, headquartered in France (Paris).

MGI USA Serves the Americas and the Caribbean, headquartered in the USA (Florida).

MGI Asia Pacific Serves the Asia Pacific region, headquartered in Singapore.

Core Values

A focused and creative workforce enables MGI to stay at the forefront of the graphic industry.

R&D: Bridging Expertise and Market Expectations

MGI's R&D center blends engineering performance in electronics, IT, micro-mechanics inkjet, chemistry and colour science, while keeping current with market demands and trends. With an annual investment of 20 % of sales back into R&D, the constant innovation process leads to the rapid integration of new technology in order to provide graphics professionals with unparalleled quality, flexibility and profitability in the evolving graphics market.

Our line of products is backed by reliable and proven technologies designed to meet our customers' high expectations. We strive to integrate environmentally friendly solutions into our design and manufacturing processes, such as using ozone-free UV lamps and promoting active recycling programs.

Our Commitment

MGI staff experts are dedicated to our customers and our proactive approach is the key to our success.

We view our customers as true partners, and our expert staff and global distribution network will ensure a seamless integration of our solutions into your business.

MGI Digital Graphic Technology listed on NYSE/Alternext



Expertise Recognised Worldwide



2010 Siemens Innovation Grand Prix



Printing Trade Show Graph Expo 2010



Printing Trade Show Print 09, USA



BEST PRODUCT OF THE YEAR 2009

EUROPEAN DIGITAL PRESS ASSOCIATION

Technical Specifications

Monochrome and Colour Print Speed⁽¹⁾

Up to 4,260 A4/letter pages per hour.
Up to 2,280 A3 pages per hour.

New Electrophotographic System

8 laser beams per colour.
256 levels per colour (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: 100 x 148 mm⁽³⁾
Max: 330 x 650 mm standard⁽⁴⁾
or 330 x 1,020 mm with option⁽⁴⁾

Printing Area

New extended printable width up to 321 mm.
Maximum printable area up to 321 x 1,011 mm (with option).

Supported Substrates

PAPER

Weights between 70 to 350 gsm.
Bristol, Matte Coated and Bright, C1S/C2S, Chromolux[®]/Kromekote, Vergé[®], art papers, textured, carbonless etc.

PLASTICS

Thicknesses between 100 to 400 µ - 4mil up to 16mil.
Print PVC, polyester, polycarbonate, polyethylene, Lexan[®], PET, Autotype, Vinyl, Teslin[®], Melinex[®] etc.

ENVELOPES

Envelopes both with or without windows, thicknesses of up to 400 µ/16mil.

Input

3 trays

1,500 sheet total capacity (500 per tray).
Weights from 70 to 260 gsm.
All sizes included 140 x 182 mm to 330 x 487 mm.
Ability to link trays.

Bypass

250 sheet capacity.
Includes formats from 100 x 148 mm to 330 x 1,020 mm.

Integrated Pneumatic Loader

3,000 sheets maximum capacity.
Supports paper from 150⁽⁵⁾ to 350 gsm.
Supports Plastics from 100⁽⁶⁾ to 400 µ/4mil up to 16mil.
Accepts all formats ranging from 100 x 220 mm to 330 x 1020 mm (with option).
The feeder module is thermoregulated for the moisture stabilisation of substrates.

High Speed Envelope Feeder (optional)

EnvelopExpress Pro is quick to install and allows for the efficient production of envelopes ranging from C5 to C4 etc.
Up to 2,500 envelopes per hour.

Registration

Precise registration (± 0.2 mm L-R).
Comparable to offset, applies to all printed works (front-back, page-page at ± 0.5 mm).

Feeder Table

New feeder table with fully motorised and automatic side lay guide.
Auto-adjusts for format width and paper skew.
Ultrasonic double sheet detection system.

Infrared Lamp System (IRLS)

New system of infrared lamps (3 kW) for instant heating of substrates. The substrates are preheated before entering the print engine to optimise print surface and maximise quality.

High Capacity Stacker

Top loading.
Laser guided stack adjustment.
Capacity of up to 6,000 sheets (80 gsm).
Optional envelope stacking table.

Duplexing

Auto duplex up to 260 gsm.
From 3 trays, bypass and offset feeder
Min size: 100 x 150 mm
Max size: 330 x 487 mm

RIP: Fiery[®] Pro80 V3.0 - System 9

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 ondemand reprinting
- ✓ Auto trapping
- ✓ Professional colour management tools
- ✓ Profile management: CMYK (Euroscale Fogra, SWOP) and RGB (sRGB, Adobe RGB)
- ✓ ICC/ICM (ProfileMaker, ColourMatch)
- ✓ PANTONE certification with "Spot-On"
- ✓ Built-in automatic colour 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) using the following languages:
✓ PPML 2.2 (PODi certified)
✓ FreeForm and FreeForm 2
✓ Creo VPS

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 customisable library of paper & synthetic substrates
- ✓ Substrate specific values for optimised printing include inking transfer, engine temperature, Infrared preconditioning temperature
- ✓ V.B.R.S (Vibration and Banding Reduction System) on heavy stock
- ✓ Touch screen interface

Electrical Power

230 V VAC ± 10% ; 50/60 Hz ± 3%
12 kW maximum, 50 A
2x32 A plugs

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 60% 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): 502 x 192 x 143 cm
Weight: 1041 kg

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 stabilisation.

(2) equivalent to 1200 x 1200 dpi x 8 bit.

(3) from bypass.

(4) max. paper weight 250 gsm.

(5) 100 gsm is achievable after MGI's change.

(6) depending upon the material melting point.

All the other trademarks cited are marks registered by their respective manufacturers.
Operator / end-users are invited to submit substrates to MGI for validation.

Digitally printed using the MGI Meteor DP8700 XL.

