

MGI
Digital Technology

METEOR DP8700 Se+

4-Color Digital Press

Paper, Envelopes, Synthetic Substrates

Format up to 650 mm/25.6"



Innovation in Motion

THE ADVANTAGE...



UNIQUE PAPER FORMAT FOR LUCRATIVE APPLICATIONS

The **Meteor DP8700 Se+** can print sheets up to 330x650 mm (13x25.6") which is truly unique in the digital press industry. So, if your customer wants a short run of gate-folded brochures with 3 A4/Letter pages on one sheet, they no longer need to print a minimum quantity or pay setup costs for a 50x70 offset press. This exclusive feature opens up new horizons and brings more added value to your customers.



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®, MDV® etc.



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 Se+** can accommodate up to 350 gsm / 130 lb cover / 16 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 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 Se+ 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-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.

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.

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.

ENVELOPE PRODUCTION



Formats include
DL, C5 & C4 / #10, 6x9" & 9x12"
with the optional specific fuser and from tray 5.



CUSTOMER APPLICATION ON PAPER, ENVELOPES & SYNTHETIC SUBSTRATES

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

GLOSSY & MATTE COATED PAPER

- Brochures
- Leaflets
- Flyers



Letterhead



Direct Mail w/VDP



Secure / ID documents

SYNTHETICS

- Secure/ID
- Tear Resistant
- Specialized Labels
- Waterproof Menus

CHROMOLUX/ KROMEKOTE

- Posters
- Postcards
- Folders



Business Cards



Envelopes w/wo window



ID Bracelets

BRISTOL

- Notecards
- Business Cards
- Stationary

ART PAPER

- Letterhead
- Invitations
- Greeting Cards



Photo Books



Tri-fold



Menus



OutdoorTags

ADHESIVES TRANSLUCENT STOCK

- Labels
- Transparencies
- POP signage

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

ELECTROPHOTOGRAPHIC SYSTEM

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

PRINT QUALITY AND LINE SCREENS UP TO 360⁽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: 330x650⁽⁴⁾ mm - 13x25.6"

MAXIMUM PRINT AREA

Up to 323x644 mm

SUPPORTED SUBSTRATES

- **Paper**
Weights between 65 to 350 gsm / 23 lb bond up to 130 lb cover or 13 pt (or 350 μ \pm 10 μ). Bristol, Matte Coated and Bright, CIS/C2S, Chromolux[®], Kromekote, Vergé[®], Art Papers, textured, carbonless, etc.
- **Synthetics**
Specific substrates such as Teslin[®], Folex[®] and MDV[®]
- **Envelopes⁽⁵⁾⁽⁶⁾** 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 140x182 mm / 5.5x7.1" up to 330x487⁽⁷⁾ mm / 13x19"
Automatic 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 100x148 mm / 3.9x5.8" to 330x487 mm / 13x19"
 - Tray #4
1,390 sheet capacity
From 65 to 300 gsm or 13 pt
Formats from 100x148 mm / 3.9x5.8" to 330x487 mm / 13x19"
 - Tray #5
1,390 sheet capacity
From 65 to 350 gsm or 17 pt
Formats from 100x148 mm / 3.9x5.8" to 330x650⁽⁴⁾ mm 13x25.6" and envelopes

REGISTRATION

Precise registration. Comparable to offset, applies to all printed works (front-back, page-page at \pm 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 300 gsm / 115 lb cover or 13 pt

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

EXTERNAL CONTROLLER FIERY FS100 Pro SYSTEM WINDOWS 10 FES 64-BIT

Languages and file formats supported
Adobe PostScript 1, 2 & 3, Adobe PDF
PDF/X-1a, 3 and 4, Encapsulated PostScript (EPS)

COMMAND WORKSTATION 6

- **Delivered with monitor, keyboard, mouse and webcam**
- **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 KM FD-5BT 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 & PreS PrintSoft, Bartender Seagull Scientific, Adobe InDesign, QuarkXPress, PrintShop Mail
- **Compatibility with VDP languages:**
 - Variable Data Printing
Fiery FreeForm v1 and v2.1, PPML v3.0
 - JDF/JMF Support

OPEN ARCHITECTURE - MAC/PC COMPATIBLE

- All Prepress applications in CMYK and RGB
Adobe InDesign, Illustrator, Photoshop, etc.
- All Office RGB applications
Microsoft Office Suite, 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 VAC \pm 10% ; 50/60 Hz \pm 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 VV):
350x192x143 cm / 138x76x 56"
Weight: 866 kg / 1,909lbs (with stacker)

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 trays #3 to #5
- (4) using tray #5 and max. 250 gsm in simplex
- (5) an additional and specific fuser is required for envelope production printing
- (6) from trays #4 & #5
- (7) Max. A3 / 11" x 17" format for tray 1

This is not a contractual document and technical specifications subject to change without notice.
All the other trademarks cited are marks registered by their respective manufacturers.
Operator / end-users are invited to submit substrates and foils to MGI for validation.