

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

METEOR DP8700 XL+

The Meteor DP8700 XL+ is the most versatile toner-based digital press. Fast and precise thanks to a new thinner toner and higher printing quality. An exclusive MGI feature allows you to print up to 1200 mm (47") long.



All The + of Your Digital Press.

Printing capabilities up to 13" x 47" and 400 gsm. The Digital Press Meteor DP8700 XL+ opens 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.

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 $\pm 2/10^{\circ}$ 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 vegetable 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 toners 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

- 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 colors produced are similar with other printing devices (offset, plotter, flexo) that are compliant with this standard.
- The external Fiery controller 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



Flyer

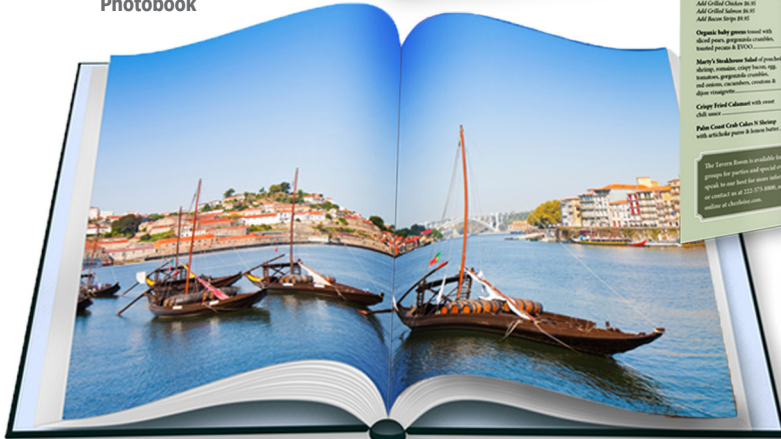


Tickets

Invitation Card



Photobook



Menu



Book Cover



Paper to Plastic Substrates.

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 3.9" x 7.9" up to the XL+ format of 13" x 47"
- 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 5.5" x 7.2" to 13" x 19"
- The bypass is convenient way to load sheets from 3.9" x 5.8" to 13" x 47" and up to 50 envelopes at any time
- The overall productivity allows for:
 - up to 4,260 A4 sheets per hour
 - 2,280 A3 sheets per hour
 - or 1,200 13" x 26" sheets per hour
 - and 600 13" x 47" sheets per hour

Paper

- From 65 to 400 gsm, 17 lb bond up to 147 lb cover / 16 pt
- Coated matte or glossy, uncoated, 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 x 148 mm / 3.9" x 5.8"
- Max. size (standard): 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

Discovering New Horizons, New Limits.



Toner Includes green technologies

- New formula with components from the biomass
- New denser dyes with smaller particles for a large gamut and more vibrant colors
- New higher yield toner cartridges



High Quality Output 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
- Feed plastics up to 400 µm / 18 mil
- Feed up to 1,200 mm / 47" standard





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

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.



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



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



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 plastic. Maximize productivity by saving specific heat, Infrared and transfer settings for later recall.



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.



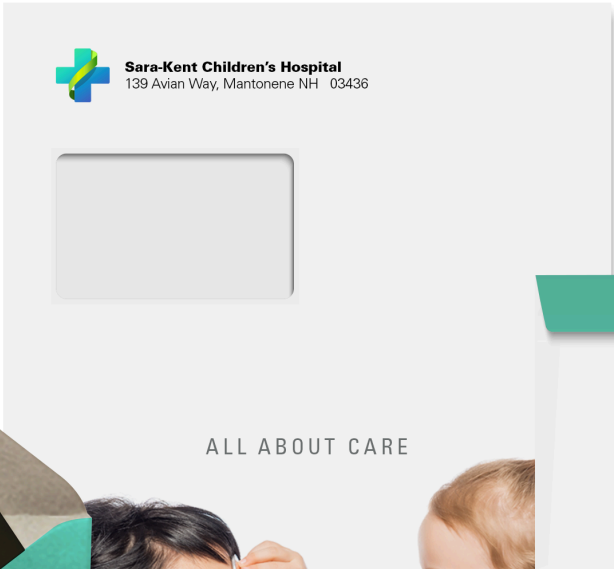
Coming Soon

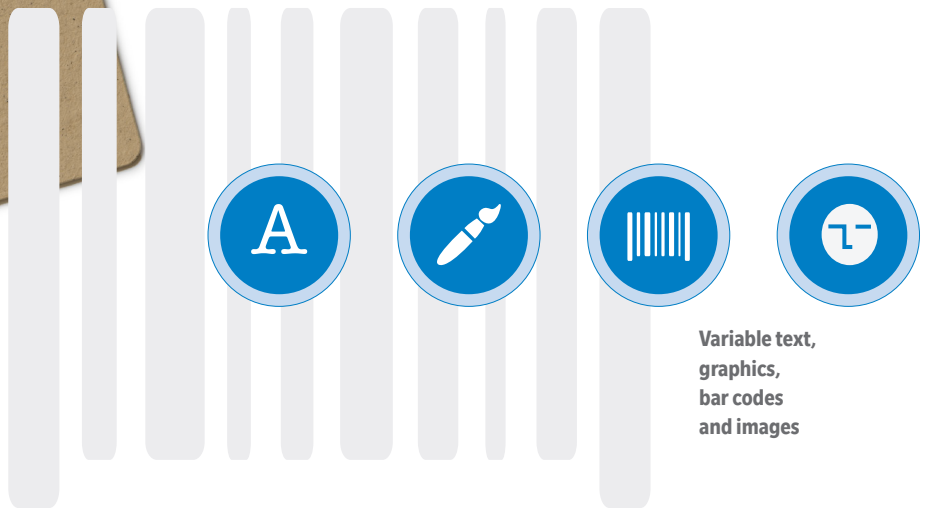
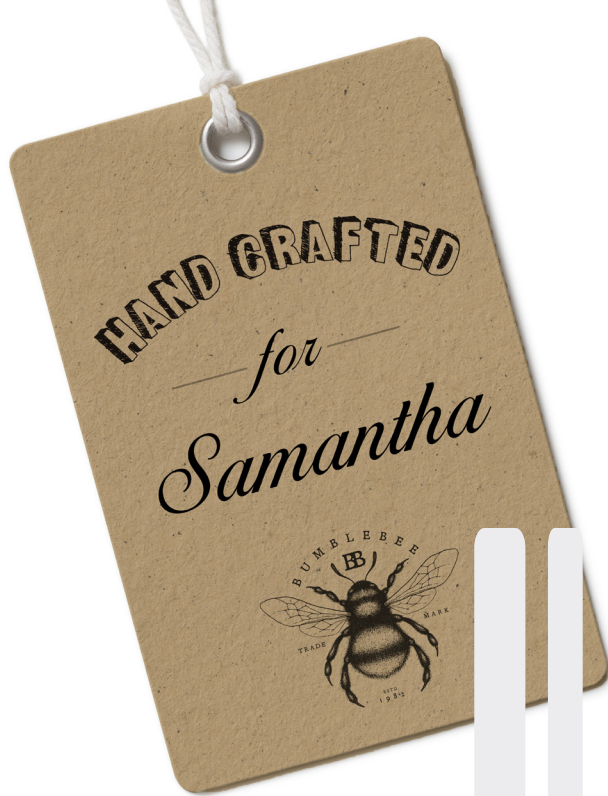
An ideal solution for short and medium run jobs, EnvelopeExpress Pro allows customers to easily integrate four-color process and fully personalized envelope (with variable data) printing capability into their digital portfolio. EnvelopeExpress Pro allows for continuous delivery of up to 400** envelopes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

* Optional EF-103 envelope fuser is required for envelope production printing
** Using DL envelope at 80 gsm

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.





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
- 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.

139 Avian Way, Mantonene NH 03436



ALL ABOUT CARE

Specifications

Meteor DP8700 XL+

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 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 screens 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" ⁽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"
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, Vinyl, Autotype, Teslin®, Yupo®, Melinex®, Agfa Synaps®, Canvas/Buckram, etc. Envelopes: With or without windows, paper weight up to 150 gsm
Input	2 trays <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 250 sheets capacity from 65 up to 300 gsm Includes formats from 100 x 148 mm to 330 x 1,200 mm / 3.9" x 5.8" to 13" x 47" DL, C5 & C4 envelopes Integrated Pneumatic Loader <ul style="list-style-type: none"> 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" 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 / 6"x9", #10. Up to 3,000 DL envelopes per hour Precise registration (± 0,2 mm L-R and front-back, page-page ± 0,5 mm)
Registration	
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
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 F5100 Pro System Windows 7 FES 64-bit	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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 i1 Pro2 spectrodensitometer Two different line screens within the same print job: <ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 230 V VAC ± 10 % ; 50/60 Hz ±3 % 2 plugs 32A + 3 plugs 16A for a total of 15 kW/59A
Operating Environment	<ul style="list-style-type: none"> 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

For complete information on Konica Minolta products and solutions, please visit: CountOnKonicaMinolta.com

© 2017 KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC. All rights reserved. Reproduction in whole or in part without written permission is prohibited. KONICA MINOLTA, the KONICA MINOLTA logo, bizhub and Giving Shape to Ideas are registered trademarks or trademarks of KONICA MINOLTA, INC. All other product and brand names are trademarks or registered trademarks of their respective companies or organizations. All features and functions described here may not be available on some products. Design & specifications are subject to change without notice.



KONICA MINOLTA

KONICA MINOLTA BUSINESS SOLUTIONS U.S.A., INC.
100 Williams Drive, Ramsey, New Jersey 07446

CountOnKonicaMinolta.com



Item #: MGI8700XL+BRO
2/2017-L