InfoPrint 4100

Production

Advanced generation of digital publishing and transactional production printing extends the benchmark in print quality, performance and productivity

Latest enhancements

- New InfoPrint toner further improves print quality and media flexibility at ultra-high speeds
- Extended support for pinless operation
- Enhanced Productivity Tracker Version 2.1
- Increase in effective production throughput with new sensors and other engine improvements

The InfoPrint® 4100 Advanced Function Printing System is a next-generation digital publishing and transactional production output solution. This continuous forms printer can produce the high image and text quality traditionally available only from cutsheet solutions and can print on a wide range of paper. In addition, the InfoPrint 4100 provides one of the highest speeds currently available for electrophotographic printers and allows users to produce more output with fewer devices and less operator time.

Enterprise production centers printing statements, TransPromo or publications can reduce operation costs with the higher speed and the flexibility of integrated pinfed[6] or pinless[6] printing—all while providing a high level of print quality for text, graphics and images for a

HIGHLIGHTS

- High speed at up to 330 linear ft/100.6 m per minute (1,440 2-up duplex letter impressions or 1,354 2-up A4 duplex impressions)[1]
- Industry-leading 600 dpi image quality, suitable for all applications, from TransPromo to publications and direct mail
- MICR toner printing supported at ultra-high speeds
- InfoPrint POWER controller incorporates superb functionality and performance such as parallel multi-RIP processing and color emulation
- Extra-wide format (19.5" paper width, up to 19" print width) for true 3-up pages
- Support for a wide range of media

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competitive advantage. Book printers can use the InfoPrint 4100 to help reduce the costs of printing short run books or technical manuals. Direct mailers and service bureaus can lower costs by running a broad range of paper weights at higher speeds. MICR is available at ultra-high speeds, adding flexibility for customers to run all applications on the same production platform at maximum throughput.

Uncompromising print quality

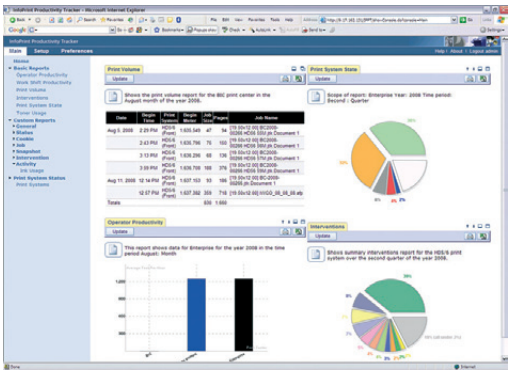
Providing one of the highest levels of image and text quality currently available at this speed in continuous forms printing, the InfoPrint 4100's hardware enhancements include technological advancements in printhead, developer and fusing mechanisms, plus an integrated density feedback system for sharp, clear images and text, job after job. Software enhancements include an innovative 256-level grayscale simulation of color objects using InfoPrint Solutions Company's patented technologies, and when using InfoPrint Manager, customized, selectable halftones.

The InfoPrint 4100 offers Premium Quality and High Quality offerings in both simplex and duplex. The Premium Quality offering, based on the Image Enhancement technology, produces output that can exceed the print quality of most legacy cutsheet solutions. These models are designed to print superior halftone images, text and graphics for catalogs, brochures, books with photos and high-value statements with halftone images.

High Quality models (MS1, HS2, HS3, MD1/MD2, HD3/HD4 and HD5/HD6) offer excellent quality in text, image and line graphics for applications such as books, TransPromo and statements and, with the speed switch, can support a broad range of media from 45 gsm to 160 gsm. For higher speed printing, the HS3 and HD5/HD6 models increase the speed up to an efficient 1,440 letter-sized impressions per minute (ipm).[1] And a state-of-the-art blue semiconductor laser printhead combines with the unique digital Print Quality Enhancement (PQE) to dramatically improve print quality at high speeds.

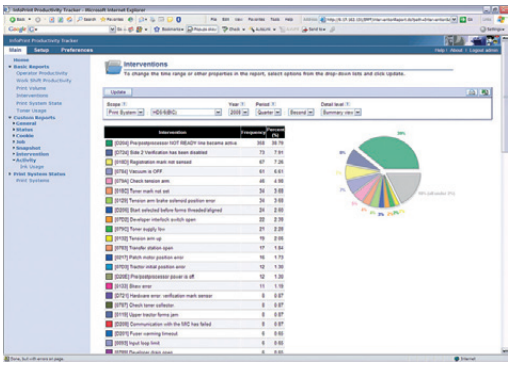
Time- and money-saving features:

- The InfoPrint POWER Controller™, standard on all models, incorporates superb functionality and performance, featuring state-of-the-art RISC technology supporting object caching, parallel multi-RIP processing and color emulation.
- The graphical, easy-to-use InfoPrint POWER Controller operator panel can do double duty as an InfoPrint Manager workstation, so operations managers can log on and manage print jobs and queues from the print room. Authorized operators can preview job queues from the printer console and prepare for upcoming form changes.
- New InfoPrint toner further improves print quality and media flexibility at ultra-high speeds (available for 4100-HS3 and HD5/HD6 models). Standard fusing toners offer superior fuse grade, uniform solid area fill and exceptional barcode read rate.
- High-speed MICR printing at up to 330 ft (100.6 m) per minute[1] provides for improved productivity and excellent read rate.
- The Image Enhancement function provides graphic arts print quality for applications such as books and publications on an InfoPrint 4100 MD1/MD2 and HD3/HD4 models. This function is designed to deliver enhanced images with smoother halftones and sharper contrast at up to 230 ft per minute (1002 impressions per minute)[1] using enhanced 600 dpi technology with industry-leading 256 levels of grayscale.
- The Productivity Tracking feature[2], now improved by the InfoPrint Productivity Tracker Version 2.1, enhances the information available to operations managers regarding the printer performance, operator activities and print job statistics, augmenting the browser-based remote monitoring (Online Access) support. It can allow you to define and capture most printer and pre- and post-processor events to provide data for full accounting of the operation.

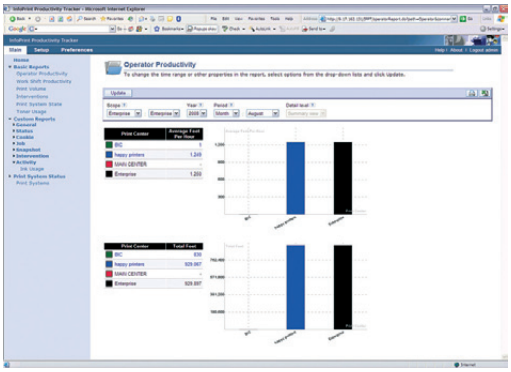


- Operators can switch between pinfed and pinless printing for the greatest print job flexibility and full printer utilization. Auto-load and auto-align functions provide fast, easy paper threading for both pinfed and pinless operations. Recent enhancements have improved pinless printing operation.
- The Direct Mail feature is designed to extend support to 9-point (0.009" thickness) coated stock, printing at up to 330 ft (100.6 m) per minute[1]—ideal for efficient direct mailing operations.

Production



- Industry-standard Universal Printer Pre- and Post-processing Interface (UP3i) can enhance finishing capabilities, automate configuration settings and extend sheet-level error recovery to the UP3i-attached pre- and post-processing and finishing devices.
- Customer Changeable Developer allows the operator to efficiently change the developer, helping to increase system availability for MICR.



- Multiple high-speed attachments, such as IBM FICON® (Fiber Connectivity) and Gigabit Ethernet, offer greater distance flexibility and support of complex applications at up to rated speed.
- Forms Identification is designed to help minimize reprint costs by verifying that the correct form is loaded.

InfoPrint POWER Controller's operator console

Economy and performance—true 3-up printing with buffer to trim

- Extra-wide print Web—19" print width accommodates 3-up 6"x 9" or A5 with plenty of trim buffer for books, manuals, and loose-leaf documents.
- High productivity—up to 2,640 ipm throughput in 3-up, 6" x 9" printing mode and 2,874 ipm 3-up A5[1], all with superior print quality.

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InfoPrint 4100 Advanced Function Printing System at a glance

Max. Print Speed[1]	MS1	MD1/MD2	HS2	HD3/HD4	HS3	HD5/HD6
Linear ft/m per minute	175/53.34	175/53.34	280/85.34	280/85.34	330/100.6	330/100.6
(Low speed switch)			(230/70)	(230/70)	(280/85.34)	(280/85.34)
1-up 8.5" x 11"	247 ipm	494 ipm	395 ipm	790 ipm	466 ipm	932 ipm
2-up 8.5" x 11"	381 ipm	762 ipm	610 ipm	1,220 ipm	720 ipm	1,440 ipm
3-up 6" x 9"	700 ipm	1,400 ipm	1,119 ipm	2,238 ipm	1,320 ipm	2,640 ipm
1-up A4	253 ipm	506 ipm	406 ipm	812 ipm	478 ipm	956 ipm
2-up A4	359 ipm	718 ipm	574 ipm	1,148 ipm	677 ipm	1,354 ipm
3-up A5	761 ipm	1,522 ipm	1,218 ipm	2,436 ipm	1,437 ipm	2,874 ipm

For more information
Contact your InfoPrint Solutions Company representative or InfoPrint Solutions Partner or visit: **infoprint.com**

Item	Specifications
Paper Capacities	Input: Up to 16" (408 mm) stack of boxed paper Output: Up to 14" (356 mm) stack of paper; or up to 6" stack height with 14" long form. Pre- and Post-processing Interfaces allow additional capabilities and are required for pinless printing; Internal stacker support is available for pinfed paper
Media	
Paper width	Pinfed: 8.3" to 19.5" (210 mm to 495 mm) Pinless: 8" to 19.5" (203 mm to 495 mm)
Print width	Pinfed: 18.5" (469 mm) Pinless: 19" (482 mm
Paper length	Internal stacker: 7" to 14" (178 mm to 356 mm) Signature Page feature: 3" to 54" (76.2 mm to 1371 mm) for pinfed and pinless
Paper weight	MS1, MD1/MD2, HS2, HD3/HD4: 12 lbs to 42 lbs (45 gsm to 160 gsm)[3]; HS3, HD5/HD6: 16 lbs to 54 lbs (60 gsm to 203 gsm)[3] 9-point coated stock (with Direct Mail feature); Reference Forms Design Guide for detailed specifications; Paper weight support varies depending on the configuration (simplex or duplex), paper path (pinfed or pinless) and speed
Paper type	Pinfed and pinless: preprinted, plain, boxed fanfold forms and roll-fed paper
System Attachments	S/390®, ESCON®, FICON Channel, Ethernet, Gigabit Ethernet
AFP Software Support	PSF for z/OS® and OS/390®, InfoPrint Manager for AIX®, InfoPrint Manager for Windows®, InfoPrint ProcessDirector for Linux®, InfoPrint Productivity Tracker V2.1[2]
Standard Features	InfoPrint POWER Controller and Operator Panel, operator-switchable resolution (480 dpi or 600 dpi) and paper path (pinfed and pinless), impositioning support, 256-level grayscale simulation, SNMP support, Pre- and Post-processing Interfaces, flat-panel touch-screen GUI, keyboard and mouse, Ethernet attachment
Options[4]	Image Enhancement, AFP Color Emulation, Direct Mail feature, Productivity Tracking feature[2], Forms Identification, Signature Page, additional or advanced Pre- and Post-processing Interfaces, UP3i interfaces second attachment, performance upgrade, additional Customer Changeable Developer, internal stacker
Physical Characteristics (per engine)	104" x 39" x 61" (2,642 mm x 991 mm x 1,550 mm) (W x D x H); 2,226 lb/1,012 kg (weight MD1, HD3, HD5); 2,356 lb/1,071 kg (weight MS1, HS2, HS3, MD2, PD2, HD4, HD6)
Power Requirements	208/220/230/240 V ac/60 Hz, 3-phase, 4-wire; 380/400/415 V ac/50 Hz, 3-phase, 5-wire; 200/220 V ac/50 Hz or 60 Hz, 3-phase, 4-wire. Voltage determined by country standards. Models HS2, HS3, HD3/HD4 and HD5/HD6 also require a 200 V ac to 240 V ac, 50/60 Hz, 10 amp power source for the controller module

Power Consumption[5] (per engine)	Frequency	Ready mode	Printing with 20 lb paper
MS1, MD1/MD2	60 Hz/50 Hz	3.0 kVA	10.5 kVA
HS2, HD3/HD4	60 Hz/50 Hz	3.0 kVA	12/12.5 kVA
HS3, HD5/HD6	60 Hz/50 Hz	3.7 kVA	15.5 kVA

Environmental Conditions

Optimal Ranges	Temperature: 65°F up to 75°F (18°C up to 24°C); Relative Humidity: 40% up to 60%
Permitted Ranges	Reference appropriate Planning and Configuration Guide for detailed specifications
Acoustics	50/60 Hz - 65 db (operating) or 58 db (idle)

ENDNOTES

[1] Exact speed varies depending on document complexity, system configuration, software application, driver and printer state.

[2] InfoPrint Solutions Company Productivity Tracker Version 2.1 (5639-AA9) is required for the Productivity Tracking feature.

[3] 12 lbs to 16 lbs (45 gsm to 60 gsm) paper weight support is subject to InfoPrint Solutions pre-approval, depending on paper quality, application and desired running speed. Contact your sales representative to submit forms for pre-approval.

[4] Some optional features are only available on certain models. Please contact your InfoPrint Solutions Company representative for details.

[5] Engine only. Control units and air bearing buffer flippers require additional 2.2 kVA to 2.7 kVA, depending on configuration. Complete specifications can be found in the Planning and Configuration Guide.

[6] The terms "pinfed" and "pinless" may be used interchangeably with "tractored" and "tractorless" throughout several InfoPrint documents.

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Printed in the United States of America
May 2010

IPRD03016-USEN-03

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