

INFOPRINT 4100 ADVANCED FUNCTION PRINTING SYSTEM

HIGHLIGHTS

- High speed at up to 330 linear feet/ 100.6 meters per minute (1,440 2-up duplex letter impressions or 1,354 2-up A4 duplex impressions)¹
- Industry-leading 600-dpi image quality
- Enhanced Productivity Tracking Tool
- Extra-wide format (19.5" paper width; up to 19" print width) for true 3-up pages
- Support for a wide range of media



The InfoPrint® 4100 Advanced Function Printing (AFPT™) System is a next-generation digital publishing and production output solution. This continuous forms printer can produce the high image and text quality traditionally available only from cutsheet solutions and prints 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.

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. And enterprise production centers printing statements or publications can reduce operation costs with the higher speed and the flexibility of integrated tractorless printing—all while providing a high level of print quality for text, graphics and images for a competitive advantage.

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 optical 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 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 on the HS2 and HD3/HD4, 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 newspapers, books 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 and parallel multi-RIP processing.
- 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.
- 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 feet per minute (1002 impressions per minute)¹ using enhanced 600 dpi technology with industry-leading 256 levels of grayscale.

- The Productivity Tracking feature², supported by the InfoPrint Productivity Suite Software, 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/post processor events to provide data for full accounting of the operation.
- Operators can switch between tractor and tractorless printing for the greatest print job flexibility and full printer utilization. Autoload and auto-align functions provide fast, easy paper threading for both tractor and tractorless operations.
- The Commercial Print feature is designed to extend support to 9-point (0.009 inch thickness) coated stock, printing at up to 280 ft (85.34 M) per minute¹—ideal for efficient direct mailing operations.



With the Productivity Tracking Feature³, view the percentage of printer uptime at a glance, and determine output per job to help you charge back or address productivity issues.

- High speed MICR printing at up to 330 ft (100.6 M) per minute¹ provides for improved productivity and excellent read rate, especially suited for 240 dpi MICR fonts printing at 480 dpi output resolution.
 - 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.
 - Standard enhanced fusing toners offer superior fuse grade, uniform solid area fill and exceptional barcode read rate.
 - 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.
- 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 a phenomenal 2,640 ipm throughput in 3-up, 6" by 9" printing mode and 2,874 ipm 3-up A51, all with superior print quality.
 - Reduced cost of printing—up to a 33 percent reduction in usage charge per impression in 3-up printing compared with the same size 2-up printing.



InfoPrint POWER Controller's operator console

INFOPRINT 4100 ADVANCED FUNCTION PRINTING SYSTEM AT A GLANCE

| Max. Print Speed ¹ | MS1 | MD1/MD2 | HS2 | HD3/HD4 | HS3 | HD5/HD6 |
|-------------------------------|-----------|-----------|-----------|-----------|-------------|-------------|
| Linear feet/meters 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 |

| 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 tractorless printing; Internal stacker support is available for tractorless paper |
| Media | |
| Paper width | Tractorless: 8.3" to 19.5" (210 mm to 495 mm) Tractorless: 8" to 19.5" (203 mm to 495 mm) |
| Print width | Tractorless: 18.5" (469 mm) Tractorless: 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 tractorless and tractorless |
| Paper weight | MS1, MD1/MD2, HS2, HD3/HD4: 12 – 42 lbs (45 – 160 gsm) ² ; HS3, HD5/HD6: 16 – 24 lbs (60 – 90 gsm) 9-point coated stock (with Commercial Print feature); Reference Forms Design Guide for detailed specifications; Paper weight support varies depending on the configuration (simplex or duplex), paper path (tractorless or tractorless) and speed |
| Paper type | Tractorless and tractorless: 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®, OS/390®, InfoPrint Manager for AIX®, InfoPrint Manager for Windows™, InfoPrint ProcessDirector for Linux®, InfoPrint Productivity Suite ³ |
| Standard Features | InfoPrint POWER Controller and Operator Panel, operator-switchable resolution (480 or 600 dpi) and paper path (tractorless and tractorless), imposition support, 256-level grayscale simulation, SNMP support, Pre-/Post-processing Interfaces, flat-panel touch-screen GUI, keyboard and mouse, Ethernet attachment |

| | |
|--|---|
| Options⁴ | Image Enhancement, AFP Color Emulation, Commercial Print feature, Productivity Tracking feature ² , Forms Identification, Signature Page, additional or advanced Pre-/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) (WxDxH); 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 VAC/60 Hz, 3-phase, 4-wire; 380/400/415 VAC/50 Hz, 3-phase, 5-wire; 200/220 VAC/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 200-240 VAC, 50/60 Hz, 10 amp power source for the controller module |

| Power Consumption (estimated) | Frequency | Sleep mode | Ready mode | Printing with 20 lb. paper |
|--------------------------------------|------------------|-------------------|-------------------|-----------------------------------|
| MS1, MD1/MD2 | 60 Hz/50 Hz | 1.8kVA | 3.0 kVA | 9.6 kVA |
| HS2, HD3/HD4 | 60 Hz/50 Hz | 1.8kVA | 3.0 kVA | 12.5 kVA |
| HS3, HD5/HD6 | 60 Hz/50 Hz | 1.8kVA | 3.7kVA | 15.5 kVA |

Environmental Conditions

| | |
|-------------------------|--|
| Optimal Ranges | Temperature: 65° up to 75°F (18° 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 – 65db (operating) or 58db (idle) |

FOR MORE INFORMATION

Contact your InfoPrint Solutions Company representative or InfoPrint Solutions Partner or visit:

infoprint.com

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

² InfoPrint Solutions Company Productivity Suite (5639-AA8) is required for the Productivity Tracking feature.

³ InfoPrint Solutions Company plans to support 12 – 16 lbs (45 – 60 gsm) paper weight at a later date. All statements regarding InfoPrint Solutions Company's plans, directions and intent are subject to change or withdrawal without notice.

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