High-quality, wide-format process-color for enhanced print-on-demand applications and variable content publishing.

IBM

IBM Infoprint Color 130 Full-Color Digital Printer

Highlights

New, state-of-the-art printing system designed for complex, variable-content full-color printing

Up to 138 full-color letter-size impressions per minute with 4 bits per spot for superior output quality

Powerful RIP server with two 800 MHz Intel® Pentium® III processors

High-performance press server with two 600 MHz Intel Pentium III processors

Press server software provides page impositioning and variable data merging

New XML-based book ticket file to manage print jobs

8 and 16-page signature

The IBM® Infoprint® Color 130 and industry-leading variable data composition tools can help transform e-business intelligence into effective, highly personalized full-color marketing collateral. The Infoprint Color 130 system includes a powerful RIP server, a high-performance press server and a full-color digital printer designed for complex, variable content printing.

Robust RIP server technology

The Infoprint Color 130 includes a RIP server based on IBM Intellistation® technology. The server features BARCO® FastRip/X®V5[1], an Adobe®-certified RIP, to support PostScript® 3, PDF 1.3, OPI L 2.0 and ICC profiles, making a wider range of applications available.

The RIP server's dual-processing capability substantially increases printer utilization and performance by ripping new jobs while current jobs are printing.

Print jobs are rasterized in advance of printing and can be viewed at press prior to printing.

High-performance press server

The Infoprint Color 130's press server is based on standard dual Microsoft® Windows® NT® computers. The server includes dedicated hardware to decompress and screen pages, then passes the pages as objects to the printer at an aggregate data rate of 100 MB per second. This powerful server uses different algorithms to compress line art and continuous-tone images to maintain optimal quality while increasing the compression ratios to 10:1 or better, resulting in faster network throughput.

A new XML-based book ticket defines print job characteristics, including the relationship between objects of a page.

The Infoprint Color 130 provides technology to power the personalization of marketing materials, helping to provide more effective communications for a variety of industries.

The press server dynamically assembles and merges compressed objects to create pages, and specifies collation and imposition settings for the print job.

Ripped jobs can be archived on a range of storage media for future printing. Because of the press server's new compression technique, considerable time can be saved when reprinting on-demand jobs. The system includes storage capacity for at least 6,000 A4 full-color letter pages.

Variable data support

Industry-leading dynamic page composition tools, such as Pageflex™ Mpower™ and BARCO VIPDesigner™, integrate popular page-layout programs with database information to create full-color, personalized printed materials. Master and variable-data objects can be created with applications including QuarkXPress™, Adobe PageMaker® and InDesign™.

IBM service and supplies

Relying on superior IBM service and genuine IBM printing supplies helps maximize the performance of your printer. Global and comprehensive service is available 24 hours a day, 365 days a year. IBM Service and Supplies can be ordered from local dealers in your area.

IBM®

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IBM Infoprint Color 130 Full Color Digital Printer at a glance

Print Speed (impressions per minute)	Up to 138 letter-size ipm with paper stock < 170 gsm bond Up to 105 letter-size ipm with paper stock >170 gsm bond Linear paper speed: 6.3 in./sec. (16.0 cm/sec.) with paper stock < 170 gsm bond Linear paper speed: 4.8 in./sec. (12.3 cm/sec.) with paper stock >170 gsm bond
Usage[2]	Maximum 700,000 impressions per month
RIP Processing Server	
Processor	Dual 800 MHz Pentium III processor boards
Memory	512 MB standard
Disk Storage	One 9.1 GB system drives, two 18.2 GB storage drives (all 10,000 RPM)
Press server	
Processor	Two 600 MHz Pentium III
Memory	512 MB standard
Disk storage	Two 9 GB system drive, eight 9 GB data storage drives
Data Creation Tools	VIPDesigner, Pageflex Mpower
Image Print Quality	Image bit depth: 4 bits per spot Line screening: Classic screening at 170 lines per inch
Paper Characteristics	**Web-fed, roll input:** — 60 gsm to 240 gsm — 22 lb. to 92 lb. cover — 16 lb. to 64 lb. bond — 41 lb. to 169 lb. text — 19.7" to 20" (500 to 508 mm) width — Coated or uncoated media — See IBM Infoprint Color Print Media Guide **Output stacker/jogger:** — Variable length, cut-sheet delivery — Output lengths from 11" (279 mm) to 39.37" (1,000 mm)
Print Image Area	Maximum width: 18.7" (475 mm)
Attachment Options	—Token-Ring — Ethernet 10/100 BaseT —Gigabit Ethernet[1]

Physical Characteristics	Height	Width	Depth	Weight
Paper Supply	48" (1,200 mm)	39" (980 mm)	40" (1,004 mm)	627 lb (285 kg)
Print Tower	90" (2,280 mm)	64" (1,620 mm)	70" (1,760 mm)	2,475 lb (1,125 kg)
Output Jogger	23" (590 mm)	39" (985 mm)	24" (610 mm)	99 lb (45 kg)
Console	92" (2,350 mm)	99" (2,480 mm)	52" (1,320 mm)	110 lb (50 kg)
Cooling Unit	20" (500 mm)	19" (480 mm)	46" (1,160 kg)	218 lb (99 kg)

Power Requirements	208-240V, 3 phase, 60 Hz, 50 amp 380-415V, 3 phase, 50 Hz, 40 amp **Power Consumption:** 18.5 kVA
Environmental Conditions	**Optimal temperature and humidity ranges:** Humidity: 27% to 62% RH at 68°F to 28% to 53% RH at 77°F Temperature: 68°F (20°C) to 77°F (25°C) **Acceptable temperature and humidity ranges:** Humidity: 15% to 65% RH at 59°F to 25% to 50% RH at 77°F Temperature: 59°F (15°C) to 86°F (30°C) **Acoustics:** 71 dBA/7.1 bels

[1] While these capabilities are not available initially, IBM intends to offer BARCO FastRip/XV5 and Gigabit Ethernet in September 2000.

[2] This figure represents a maximum monthly printing rate. IBM does not recommend printing this monthly maximum on a consistent basis.

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