*High-quality, process-color printing
for print-on-demand applications.*

IBM

IBM InfoColor 70
Full Color Digital Printer

The IBM® InfoColor™ 70 Full Color Digital Printer produces offset-quality color documents at high speed. The printer's digital, direct-to-paper capability makes it ideal for printing short runs and customized documents. The InfoColor 70 enables reliable, cost-effective, on-demand printing.

Ideal for On-Demand Printing
Based on proven IBM RISC System/6000® (RS/6000®) technology, the printer's automated management software system controls output quality with reduced operator intervention. With the new RS/6000 233 MHz processor, RIP performance is 170% to 270% faster than before. You can combine this capability with faster networks and IBM's 10/100 Base T Ethernet Card to obtain an even higher level of performance from your InfoColor 70.

Flexible Customized Documents
Digital printing technology drastically reduces document turnaround time by eliminating expensive film and plate making steps required in the offset press environment. This technology enables operators to produce short runs at low cost, while providing customized materials and allowing customers to print only the documents they need. A job parameter archive and retrieval system stores RIP settings so that you can easily access them later for subsequent job reprints.

In addition, you can quickly and easily merge any database, such as prospect mailing lists, with color graphics and images to produce personalized documents in a single pass. This allows customers to create targeted advertising, textbooks, brochures and other personalized print materials.

The IBM InfoColor 70 variable data creation tools are the key to simplifying personalized document creation and production. IBM provides plug-ins for popular desktop publishing software to assist with the creation of customized documents.

InfoColor 70 and 64GB Electronic Collator
The IBM InfoColor 70 Printer and Collator (Model 02D) adds electronic collating and unlimited variable data capabilities to the base system. With 64 gigabytes of spool disk storage, 2,000 to 20,000 pages (depending on content) can be stored in a compressed bitmap format. This is twice the capacity of previous versions at the same purchase price. The InfoColor 70 with the electronic collator also permits the printing of customized data over 100% of each imaged page, duplex and in any color.

Advanced Technology and Automation
The IBM InfoColor 70 is an electro-photographic printer utilizing dry toner technology. The printer varies the electrostatic charge to produce consistent toner density in full color on a large variety of paper stocks. The printer achieves effective image resolution of 2,400 dots per inch using LED arrays with variable light levels per dot, per color and IBM screening technology. IBM's patented dynamic toner saving feature reduces toner usage as much as 30% when printing four-color images.

Unique, IBM-developed SWOP and Euroscale lookup tables save time by enabling automatic color matching. The automated density control streamlines time-consuming operator adjustments that are key to high-quality, consistent color printing. The new automated registration system complements this feature to further improve ease of operation.

Highlights

- **New 233 MHz processor increases RIP speed by 170% to 270%**
- **Gloss Enhancement Module (GEM) unit option available**
- **Highest level of variable data functionality**
- **SWOP/Euroscale color matching standards**
- **Automated registration and density control**
- **70 full-color impressions per minute (35 duplex pages)**
- **Offset print color quality**
- **Adobe PostScript Level 2**

IBM Service and Support

IBM products are backed by years of experience, making businesses successful in creating, managing and printing high-quality documents. IBM is the world's foremost information management company, with superior service and support unmatched by any other industry provider.

We offer a complete support package to satisfy your needs, including free delivery, installation and training.

Summary

The IBM InfoColor 70 Full Color Digital Printer offers these key features and benefits:

- Digital color printer
  — SWOP/Euroscale matching
  — Automated registration and density control
  — Process color (CMYK)
  — Single-pass duplex
  — 600 dpi with variable light levels per dot, per color[1]
  — PostScript Level 2 compatible
  — 170-lpi halftone screen with classic clear-centered rosette
  — Standard multi-page support on Model 002
  — Numerous upgrade options
  — Print Quality Enhancement bundle includes dynamic toner saving feature, automated registration control and job parameter archive and retrieval system
- Print Engine
  — Eight printing stations
  — Meets industry registration standards
  — Dry toner 2
  — LED imaging technology
  — Non-contact fusing[1]
- Input and RIP
  — Includes 233 MHz processor
  — Compatible with standard desktop publishing systems and Open Prepress Interface servers
  — Multitasking capability—simultaneous RIP, printing and engine management
  — Optional variable data creation tools available
  — Model 02D includes electronic collator and variable data creation tools

---

IBM InfoColor 70 Full Color Digital Printer at a glance

Print Speed	70 impressions per minute (35 duplex A4 pages per minute)

Usage	Maximum 700,000 impressions per month

Base Configuration

	Model number	3170-002	3170-02D
	Image memory/head	72 MB	n/a
	Image DASD	4 GB	64 GB

RIP Configuration

	Model number	3170-002	3170-02D
	RIP memory	320 MB	320 MB
	RIP DASD	4.4 GB	4.4 GB
	RIP memory expansion	128 MB	128 MB
	Controller	233 MHz	233 MHz
	RIP DASD maximum	8.6 GB	8.6 GB

Paper Characteristics

Web fed, roll input:
- 60 gsm to 200 gsm — 22 lb. to 74 lb. cover
- 16 lb. to 52 lb. bond — 41 lb. to 135 lb. text
- 8.27" (210 mm) to 12.6" (320 mm) width
- Coated or uncoated media
- See IBM 3170 Paper Selection Guide (G544-5386)

Output stacker:
- Variable length, cut-sheet delivery
- Up to 17" (430 mm) stacked output
- Separate trays for proof and test sheets

Maximum Print Image Area InfoColor 70 Printer (Model 002)

	72 MB 2 bps inch (mm)	72 MB 4 bps inch (mm)	144 MB 2 bps inch (mm)	144 MB 4 bps inch (mm)
Width:	12 (307)	12 (307)	12 (307)	12 (307)
Length:	68.8 (1749)	34.4 (874)	109.1 (2772)	68.8 (1749)

System Attachments	Token-Ring, Fast Ethernet, (EtherTalk, IPX and TCP/IP protocols)

Data Stream Support	PostScript Level 2

Physical Characteristics

Component	Height inch (mm)	Width inch (mm)	Depth inch (mm)	Weight lb. (kg)
Paper Supply	48 (1,200)	32 (800)	24 (600)	530 (240)
Print Tower	90 (2,280)	64 (1,610)	62 (1,570)	2,950 (1,334)
Output Stacker	48 (1,200)	24 (600)	24 (600)	216 (98)
Console	30 (760)	72 (1,800)	40 (1,000)	251 (114)
Cooling Unit	20 (500)	19 (460)	46 (1,160)	221 (100)
Collator	29 (730)	20 (511)	43 (1,098)	478 (217)

Options

	Model 002	Model 02D
Additional RIP DASD	x	x
Additional RIP memory	x	x
RIP Autotrapping	x	x
Token-Ring	x	x
Fast Ethernet 10/100 Base T	x	x
Additional Image DASD	x	n/a
Additional Image Memory	x	n/a
Variable Data – color	x	n/a
Variable Data – black	x	n/a
40" roll feeder	x	x
Gloss Enhancement Module (GEM) available as special order item		

Power Requirements

208-240V, 3 phase, 60 Hz, 40 amp
380-415V, 3 phase, 50 Hz, 25 amp

Power Consumption:
- Model 002   12.5 KVA
- Model 02D   14.0 KVA

Environmental Conditions

Optimal temperature and humidity ranges:
Humidity: 27% to 50% RH at 77°F to 27% to 62% RH at 68°F
Temperature: 68°F (20°C) to 77°F (25°C)
Acceptable temperature and humidity ranges:
Humidity: 16% to 65% RH at 59°F to 27% to 50% RH at 86°F
Temperature: 59°F (15°C) to 86°F (30°C)
Acoustics: 70 dBA/7.0 bels

---

[1]Patented technology

G544-5318-03