

IBM 7374 and 7375 Color Plotters

The IBM 7374 and 7375 Color Plotters are free-standing, vector output devices capable of high-resolution drawing on a variety of media types. The 7374 plots on media up to size D/A1 (22 x 34 inches/594 x 841 millimeters) and the 7375 plots on media up to size E/A0 (34 x 44 inches/841 x 1,189 millimeters). There are two models of the 7375. Designed primarily to support CAD/CAM applications, the 7374 and 7375 each use eight-pen carousels. Both plotters produce high-quality drawings at an affordable price, and may be located in workstation environments.

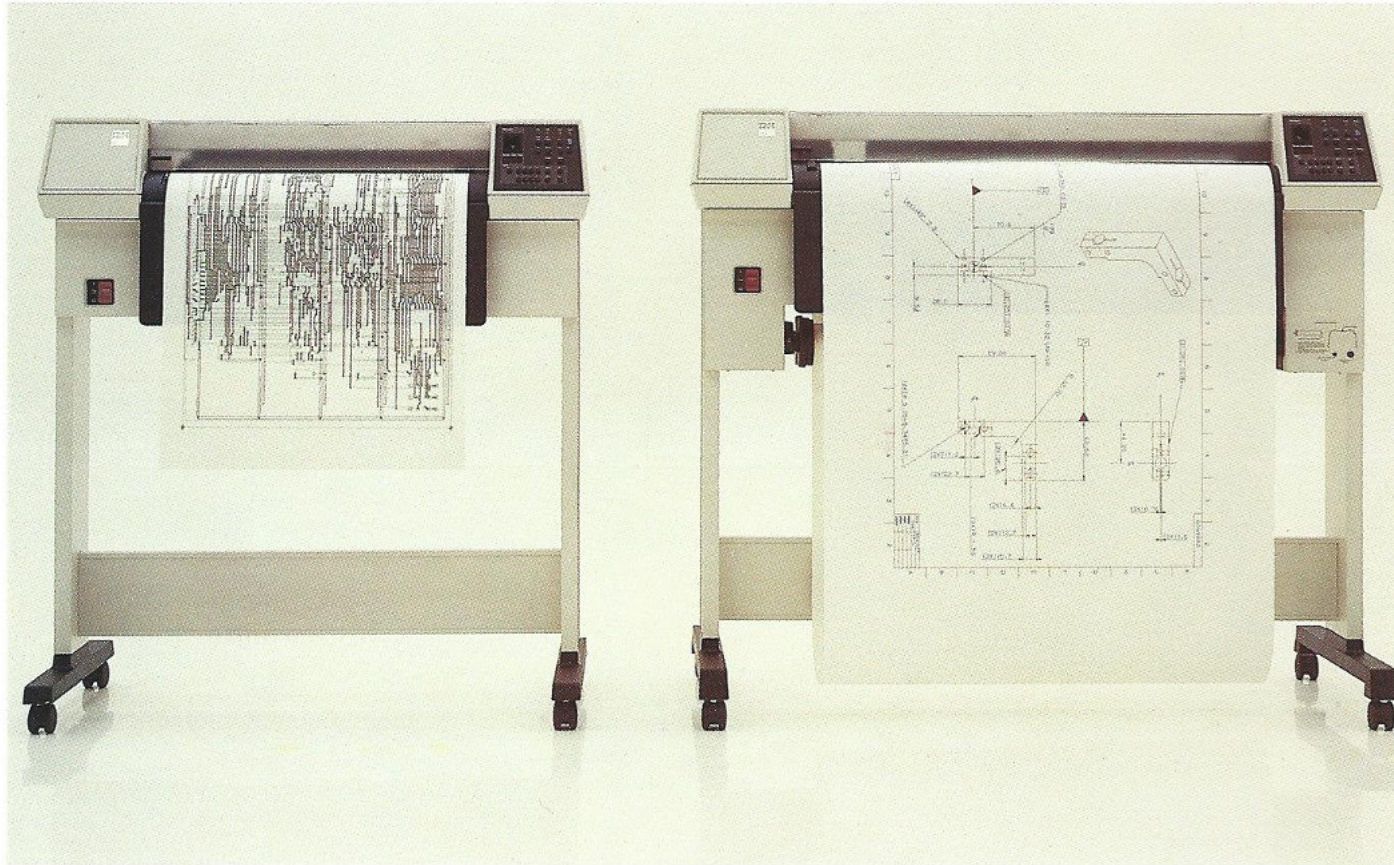
The 7375 Model 2 provides more media options. It has the same features as the 7375 Model 1 with the added capability of plotting on roll media. Its frame-to-frame long axis technique allows for plots up to 3.7 meters (12 feet) long. Rolls of ledger bond, vellum and polyester film, each 150 feet long, are available through IBM Direct in widths of 24 and 36 inches.

Highlights

- The Industry Standard Plotting Commands (ISPC) licensed program has been developed to drive the plotters with data obtained from the following CAD/CAM systems:
 - Computer-Graphics Augmented Design and Manufacturing (CADAM¹) System
 - CADAM Express, an IBM licensed program
 - Computer-Graphics Three-Dimensional Interactive Application (CATIA²)
 - Circuit Board Design System 2 (CBDS2)
 - Computer-Aided Engineering Design Systems (CAEDS)
 - Graphical Display and Query Facility (GDQF)
- The plotters have been tested attached to the following IBM products:
 - 5080 Graphics System
 - 3250 Graphics Display System³
 - 3277 Display Station Model 2 with Graphics Attachment RPQ (#7H0284)³

- Personal Computer (PC)
- 3270-PC
- 3270-PC Attachment³
- PC XT
- PC AT
- Portable PC
- PC Expansion Unit
- 7361 Fastdraft System³
- Plotters draw on four media types—paper, vellum, double-matte polyester and transparency film.
- Three pen types are available—fiber tip, roller ball and liquid ink. Pen selection is based on user need. Fiber tip pens are inexpensive and offer a choice of widths. Roller ball pens are long lasting and draw fine lines. Liquid ink drafting pens make high-quality finished drawings.
- Pens are contained in interchangeable eight-pen carousels.
- Pens are automatically capped when not in use to retard drying out and to increase pen life.

¹CADAM is a registered trademark of CADAM, Inc.
²CATIA is a registered trademark of Dassault Systemes
³Supported only by the 7374 and 7375 Model 1



IBM 7374 and 7375 Model 2

Photograph shows design models

2-85 Printed in USA
G221-2462-1



Roll feed supplies

IBM part number	Description	Paper width
6216969	Ledger bond	914.4 mm (36 in.)
6216970	Paper spool	914.4 mm (36 in.)
6216971	Ledger bond	609.6 mm (24 in.)
6216972	Paper spool	609.6 mm (24 in.)
6216973	Vellum	609.6 mm (24 in.)
6216974	Vellum	914.4 mm (36 in.)
6216976	Polyester film	609.6 mm (24 in.)
6216977	Polyester film	914.4 mm (36 in.)

Consumable accessories

IBM part number	Description
6092731	Fiber tip pen carousels
6092732	Liquid ink drafting pen carousels
6092733	Roller ball pen carousels
6092734	Pen caps (fiber tip and roller ball)
6092735	Pen caps (liquid ink drafting)
6092742	Slanted digitizing site
6092743	Grit wheel brush
6092640	Drafting ink
6092641	Cleaning syringe
6092642	Liquid ink drafting pen cleaner

Cable

IBM part number	Description
2720020	6 ft. IEEE488 interface

Ship Group Starter Kit

IBM part number	Description	Items/package
2719979	RS232C interface cable 10 ft. male-to-male	
6092719	Paper fiber tip pens 4 color, .3 mm	4
6092724	6 color, .3 mm	6
	Roller ball pens	
6092726	Black, .3 mm	4
6092727	Red, .3 mm	4
6092728	Green, .3 mm	4
6092729	Blue, .3 mm	4
6092730	Drafting pens, long body	2
6092731	Fiber tip pen carousel	1
6092732	Drafting pen carousel	1
6092733	Roller ball pen carousel	1
	Drafting plotter points	
6092738	.35 mm point tip width	1
6092740	.70 mm point tip width	1
6293831	Standard digitizing site	1
6092743	Grit wheel brush	1
6092640	Drafting ink	1
6092641	Cleaning syringe	1
6092642	Drafting pen cleaner	1
2719705	Plastic supplies organizer	1
2719710	Cardboard box	1
	Media sampler ⁷ (each contains 50 sheets of chart paper and 5 sheets of polyester film)	
	D size media for 7374	
	E size media for 7375 Models 1 and 2	
	914.4mm (36in.) ledger bond roll for 7375 Model 2	1
	914.4mm (36 in.) paper spool for 7375 Model 2	1

⁷Metric or English media are included depending on the destination of the plotter.

To order IBM plotter supplies, call IBM Direct toll free: 1-800-631-5582
In Alaska or Hawaii: 1-800-526-2484
Monday through Friday, 8 a.m. to 8 p.m. Eastern Time

Specifications

- Two standard interfaces are available:
- IEEE488-1978 and RS232C/CCITT V.24 asynchronous serial ASCII with switch-selectable baud rates of 50, 75, 110, 134.5, 150, 200, 300, 600, 1,200, 1,800, 2,400, 3,600, 4,800, 7,200, and 9,600.
 - Resolution at the smallest addressable step size is .025 millimeters (.001 inches).
 - Speed, independent of vector direction, is 60 centimeters per second (24 inches per second).
 - Acceleration is 4 G maximum.
 - Repeatability for a given pen is .05 millimeters (.002 inches).
 - The dimensions of the 7374 are 1,188 x 1,087 x 577 millimeters (46.8 x 42.8 x 21.9 inches).
 - The dimensions of the 7375 are 1,188 x 1,392 x 557 millimeters (46.8 x 54.8 x 21.9 inches).
 - The power requirements are:
 - Source 100, 120, 220, 240V, -10%, +5%
 - Frequency 48-66 Hz
 - Consumption 182 W maximum

Attachments supported

- IBM System/370, 30XX or 43XX processor via the following devices (equipped with either an RS232C or IEEE488 interface)
 - 5080 Graphics System
 - 3250 Graphics Display System³
 - 3277 Display Station Model 2 with Graphics Attachment RPO (#7H0284)³
 - Personal Computer (PC)
 - 3270-PC
 - 3270-PC Attachment
 - 3270-PC/G
 - 3270-PC/GX
 - PC XT
 - PC XT/370
 - PC AT
 - PC AT/370
 - Portable PC
 - PC Expansion Unit
- IBM 7361 Fastdraft System³

Programming support

- ISPC 5796-BDZ
- IBM Color Plotter Support for the GDDM Graphics Data File 5668-860
- Interactive Presentation Graphics 5798-DJT

Supplies

Fiber tip pens

IBM part number	Description	Point tip width
6092715	Red	.3 mm
6092716	Blue	.3 mm
6092717	Green	.3 mm
6092718	Black	.3 mm
6092719	4-color	.3 mm
6092720	Black	.7 mm
6092721	Blue	.7 mm
6092722	Green	.7 mm
6092723	Red	.7 mm
6293819	4-color	.7 mm
6092724	6-color	.3 mm
6092725	8-color	.7 mm

Roller ball pens

IBM part number	Description	Point tip width
6092726	Black	.3 mm
6092727	Red	.3 mm
6092728	Green	.3 mm
6092729	Blue	.3 mm

Liquid ink drafting pens

IBM part number	Point tip width
6092736	.18 mm
6092737	.25 mm
6092738	.35 mm
6092739	.50 mm
6092740	.70 mm
6092741	1.00 mm

Pen body

IBM part number	Description
6092730	Liquid ink drafting pen body

Paper supplies⁴

IBM part number	Description	Paper size ⁵
6092643	Ledger bond	D
6092644	Ledger bond	E
6092645	Tracing paper	D
6092646	Tracing paper	E
6092647	Vellum	D
6092648	Vellum	E
6092649	Mylar ⁶	D
6092650	Mylar	E

³Supported only by the 7374 and 7375 Model 1.

⁴A and B size single-sheet media are also available for the 7374 and 7375 Models 1 and 2.

⁵D size is 22 x 34 inches; E size is 34 x 44 inches.

⁶Mylar is a trademark of E.I. du Pont de Nemours & Co.