

# Serial Matrix Printers



## 8900 Series

### Model 8920

- Straight through paper path, heavy duty forms and automatic top-of-form alignment.
- Easy to use control panel with Powerkey™ function simplifies operations.

### Model 8930

- Versatile printing on continuous forms or cut sheet paper.
- Four-color process ribbon mixable for seven colors.

### Intelligent Forms Processing Technology

- Z-Axis Control™ provides automatic document thickness sensing and adjustment.
- Page Finder™ automatically detects the top, left, and right edge of each form that is loaded. Printing always begins at the same position, relative to the edges of the document.

### Handling Tough Jobs

- Designed for heavy-duty operation.
- Multiuser environments.
- Recommended work load: 18,000 pages per month.

*The 8900 Series is designed for heavy-duty, reliable operation and is ideal for shared resource use on a LAN, multiuser UNIX® computer, engineering workstation, minicomputer, or mainframe.*

**Intelligent** – The 8900 Series printers adjust to the document being printed. The intelligent forms processing of these printers is unsurpassed, with leading edge technologies such as Z-Axis Control™ adjustment for document thickness and Page Finder™ which locates document edges. Thirty character Answerback memory (ABM) for mission critical applications.

**Sharp** – Long-life metal tear bar for a clean edge and easy form removal. Convenient features include zero tear-off, paper parking and front load bottom feed tractors. Supports legacy applications with TI 810/880 emulations. Heavy duty printhead handles six part forms and up to nine part forms in double strike mode.

**Powerful** – Control panel enables users to easily set up and configure. Two line by sixteen character liquid crystal display (LCD). Three Powerkey™ function keys and twelve operation keys allow the user to quickly configure the most frequently used printer functions such as pitch, print quality, font selection, form align, form feed, form configuration and form select. Ten user definable forms.

### Typical Applications

- Shared-resource environments
- Office printing
- Business reports, spreadsheets, color charts
- Multipart forms



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### Printing

*Technology:* Serial impact dot matrix  
*Printhead:* 18-pin

*Speeds:*

	10 cpi	12 cpi	15 cpi
DP	400 cps	480 cps	600 cps
Text	240 cps		
LQ	100 cps		

*Fonts:* Courier, Gothic

*Options:* Presenter, Prestige Elite,  
OCR-A, OCR-B

*Bar Codes:*

*Options:* Code 3 of 9, Interleaved  
2 of 5, POSTNET

*Character Sets:* US ASCII 96 character  
set, IBM PC1, IBM PC2, Nordic PC,  
ISO 8859/1 Multinational, IBM  
Multinational

*Print Modes:* Normal, bold, emphasized  
(shadow), expanded, com-  
pressed, underline, italics (Epson  
only)

*LF Interval:* <27 msec

*Character Spacing:* 5, 6, 7.5, 8.3, 8.6,  
10, 12, 15, 16.7, 17.1 cpi

*Line Spacing:* 3, 4, 6, and 8 lpi

*Print Line:* 13.6 in.

*Dot Graphics (dpi):* 240H x 216V

### Flexible Paper Handling

*Paper Handling:* Zero-inch tear-off,  
automatic top-of-form alignment,  
Z-Axis control (auto forms  
thickness adjustment), Page  
Finder paper edge detection,  
paper parking

*Paper Drive:* 5-pin push tractors

*Paper Dimensions:*

Continuous forms: 3" to 15" W x 57" L  
maximum

Cut sheets: 3" to 14" W x 4.5" L  
minimum (8930)

*Number of Copies:*

6-part copies in standard mode

9-part copies in double strike mode

*Maximum Forms Thickness:* 0.32"

*Paper Slew:* 16 ips

### Print Control

*Formats:* 10 user-defined forms

### Emulations

TI 880, TI 855 (Qume/Epson), IBM®

Proprinter, Epson® FX (Escape/P),

Epson JX

*Options:* DEC LA120

### Interfaces and Connectivity

CENTRONICS® parallel and EIA RS-232  
serial

*Input Buffer:* 32K

*Options:* RS-422, current loop, RS-423,

MacAdapter, Ethernet 10BT

### Physical

*Size (HxWxD):* 11.1 x 25.4 x 13 in.

(282 x 645 x 330 mm)

*Weight:* 52 lbs (23.6 kg)

*Acoustics:* 61 dBA

### Operating Environment

*Voltage:* 100-132, 200-264 VAC;

47-63 Hz, single phase

*Power Input:* 225 watts maximum  
(768 BTU/hour)

*Storage Temperature:*

-22° to 150° F (-30° to 66° C]

*Operating Temperature:*

41° to 104° F (5° to 40° C)

*Storage Humidity:* 5% to 95%

(no condensation)

*Operating Humidity:* 10% to 90%

(no condensation)

### Reliability

*MTBF:* 9,000 hours @ 100% duty cycle

*Workload:* 18,000 pages per month

*MTTR:* 20 minutes

*Printhead Life:* 300 million draft  
characters

*Ribbon Life:*

Black: 13 million draft characters

Color: 1.5 million draft characters  
per band (8920C, 8930)

### Ribbon

*Type:* Continuous loop cartridge  
ribbons

Black: 33 yards

Part number 2551152-0011

Color: 30 yards (8920C, 8930)

Part number 2551152-0014

*Life:*

Black: 13 million draft characters

Color: 1.5 million draft characters  
per band (8920C, 8930)

### Warranty

1 year return to depot

### Options

Printer stand

Stand mounted basket

Printer mounted basket

Acoustic cover

Top feed tray (8930)

Bar code/OCR font

Presenter and Prestige Elite font

DECLA120

RS-422

RS-423

Current loop

MacAdapter

Ethernet 10BT



The 8900 Ethernet interface provides a flexible solution for LAN environments.

### Features

- Easy setup and administration
- Ethernet 802.3 RJ45/CAT5
- Supports Windows 95, 98, NT, 2000, UNIX and Novell
- TCP/IP, IPX/SPX, NetBEUI protocols
- BOOTP, SNMP, Telnet, TFTP, FTP, lpd, RARP, DHCP

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Serial  
Matrix  
Printers

Printer Mounted Basket 2557749-0001



Acoustic Cover 2566304-0001



Stand Mounted Basket 2557762-0001



Printer Stand 2557748-0001

## Supplies & Options

### Interface Kits

Ethernet 10BT .....	2563356-0015
Current Loop .....	2563356-0001
RS-422 .....	2563356-0002

### Ribbons / Printheads

Printhead 8920 / 8930 .....	2551204-0203
Black Ribbon .....	2551152-0011
Color Ribbon 8930 .....	2551152-0014

### Option Kits

Version 3.11 ROM Upgrade 8920 .....	2563417-0020
Version 3.11 ROM Upgrade 8930 .....	2563414-0030
Barcode / OCR / Postnet font 8920 .....	2563352-0020
Barcode / OCR / Postnet font 8930 .....	2563352-0030
Presentor & Prestige font 8920 .....	2563351-0020
Presentor & Prestige font 8930 .....	2563351-0030
DEC LA120 Emulation 8920 .....	2563407-0020
DEC LA120 Emulation 8930 .....	2563407-0030



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