RUGGED · FLEXIBLE · AFFORDABLE

PRINTRONIX®
LINE MATRIX PRINTERS
P8000/P8000PLUS

CABINET

ZERO TEAR

OPEN PEDESTAL

PrintNet® enterprise
POWERFUL REMOTE PRINTER MANAGEMENT

OpenPrint™
PDF AND POSTSCRIPT PRINTING

PRINTRONIX®
P8000/P8000**PLUS**

P8000 Cartridge Printers deliver unmatched industrial durability and the lowest operating cost of virtually any print technology.

P8000 Plus models provide improved print quality and optional support for PDF & PostScript Printing, 802.1X, and IPv6.

RUGGED

- Extremely high maximum monthly workload to meet & exceed the most demanding print requirements
- Dependable operation in harsh environments withstanding humidity, extreme temperatures, and airborne contaminants
- Durable sheet metal cabinetry and sealed electronic componentry

FLEXIBLE

- Media flexibility including multi-part, wide format, labels, card stock, and recycled media
- Optional OpenPrint functionality offers ease of connectivity to ERP or WMS applications generating PDF or PostScript output
- Flexible connectivity with standard support for Ethernet 10/100BaseT, USB 2.0, and Serial RS-232
- Optional support for 802.1X and IPv6 allow for compatibility with changing network environments

AFFORDABLE

- Ultra-low consumables cost per page is around 1/5th that of laser
- Powerful remote management for printer configuration, firmware downloads, and diagnostics
- Consumes less energy than laser, while generating far less consumables waste

5 Reasons
Why Top Enterprises Around the World Rely On Printronix Line Matrix Printers

In a world of expensive to maintain laser printers it is smart to consider the latest advancement in line matrix cartridge printing before choosing a print technology. Printronix has consistently pioneered new innovations to ensure this technology remains highly competitive and relevant for today's printing applications. Here are five reasons to consider the latest generation of Line Matrix Cartridge printers.

1   Lowest Cost of Ownership
- The average lifespan of a line matrix printer is 7 to 10 years as compared to only 3 years for laser printers.
- Cartridge Ribbons deliver a cost per page that is around 1/5th that of laser toner cartridges.
- As print volume increases, consumable savings grow dramatically.
- Cartridge ribbons give users up to 20% improvement in consumable cost per page over spool type ribbons used by legacy line printers.

2   Productivity
- Line Matrix printers deliver unmatched up-time and reliability.
- Document integrity is more easily maintained with continuous forms media as opposed to cut sheets.
- PrintNet Enterprise, our remote printer management utility, delivers visibility and remote control for all network connected devices.

3   Reliable Performance in Any Environment
- Line Matrix printers perform reliably in non-climate controlled environments where temperature, humidity and airborne contaminants cause form feeding and print quality issues for other print technologies.

4   Application Adaptability
- Optional OpenPrint™ functionality offers ease of connectivity to ERP or WMS applications generating PDF or PostScript output (P8000 Plus)
- Independent Software Vendors provide document design software that natively supports the Printronix language for printing graphics, text and barcodes.
- Line Matrix remains the best technology for printing multi-part forms, oversize media, labels, card stock, and other non-typical media types.
- P8000 Plus models offer optional support for 802.1X and IPv6.

5   Environmentally Friendly
- Line Matrix Printers consume considerably less energy than laser printers.
- Throughout their life span, Line Matrix Printers will generate far less landfill waste from consumables, packaging and printer hardware.
- Cartridge ribbons emit none of the fine particulate emissions generated by laser printers.

TRANSPORTATION **MANUFACTURING** **DISTRIBUTION** **FOOD & BEVERAGE** **AUTOMOTIVE**

PRINTRONIX®
LINE MATRIX PRINTERS

P8000/P8000PLUS CABINET

The flagship of the series, the P8000 Cabinet models are the printers of choice when quiet operation and/or high-speed performance is paramount.

- Acoustically sealed enclosure produces less noise emissions than most laser printers
- Unmatched reliability and tolerance for a wide range of office and industrial environments
- Available in 500, 1000, 1500 and 2000 LPM speeds
- P8000 Plus Models – P8C15 & P8C20 – deliver improved print quality and offer optional OpenPrint PDF & PostScript functionality and support for 802.1X and IPv6.

PRINTER MODEL	P8C05	P8C10	P8000 PLUS P8C15	P8C20
FEATURES & OPTIONS				
PRINTNET REMOTE PRINTER MANAGEMENT	STANDARD	STANDARD	STANDARD	STANDARD
INTELLIGENT RIBBON LIFE MONITOR	STANDARD	STANDARD	STANDARD	STANDARD
BLACK BACK FORMS PAPER OUT SENSOR	OPTION	OPTION	OPTION	OPTION
REAR SLIDE OUT PAPER DRAWER	OPTION	OPTION	OPTION	OPTION
CABINET FRONT PAPER ACCESS	OPTION	OPTION	OPTION	OPTION
QUICK CHANGE MEMORY CARD	OPTION	OPTION	OPTION	OPTION
OPENPRINT PDF & POSTSCRIPT SUPPORT			OPTION	OPTION
802.1X & IPV6 SUPPORT			OPTION	OPTION
DIMENSIONS				

DIMENSION	HEIGHT	WIDTH	DEPTH	PRINTER WEIGHT	SHIPPING WEIGHT
IMPERIAL	40.5"	27"	29"	200 lbs	265 lbs
METRIC	1028.7 mm	685.8 mm	736.6 mm	90.7 kg	120.2 kg

ENVIRONMENTAL NOISE				
ACOUSTIC NOISE (DBA) PER ISO 7779	50	50	52	55
PRINTER CONFIGURATION				
PRINT SPEED (LINES PER MINUTE)	UPPER/LOWER CASE	UPPER/LOWER CASE	UPPER/LOWER CASE	UPPER/LOWER CASE
HIGH SPEED (DRAFT)	500/428	1000/856	1500/1289	2000/1700
DATA PROCESSING	375/300	750/600	1125/900	1500/1200
NEAR LETTER QUALITY	200/154	400/306	600/459	800/615
GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE	IPM / (MM)	IPM / (MM)	IPM / (MM)	IPM / (MM)
60 X 48 DPI	63 (1600)	125 (3175)	187 (4750)	250 (6350)
60 X 72 DPI	42 (1067)	83 (2108)	127 (3226)	167 (4242)
90 X 96 DPI	21 (533)	42 (1067)	61 (1549)	83 (2108)
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND	IPS / (MM)	IPS / (MM)	IPS / (MM)	IPS / (MM)
SPEED INCHES / (MM) PER SECOND	12 (305)	20 (508)	25 (635)	39 (991)

P8000 OPEN PEDESTAL

The P8000 Open Pedestal is the most cost effective choice for environments where noise is not a concern.
- **Smaller footprint with easy access to forms retrieval**
- **Preferred choice for manufacturing and transportation environments**
- **Available in 500 and 1000 LPM speeds**

PRINTER MODEL				P8P05	P8P10
FEATURES & OPTIONS					
PRINTNET REMOTE PRINTER MANAGEMENT				STANDARD	STANDARD
INTELLIGENT RIBBON LIFE MONITOR				STANDARD	STANDARD
LOW REAR PAPER TRAY				STANDARD	STANDARD
BLACK BACK FORMS PAPER OUT SENSOR				OPTION	OPTION
HIGH REAR PAPER TRAY				OPTION	OPTION
ACOUSTIC SHROUD				OPTION	OPTION
QUICK CHANGE MEMORY CARD				OPTION	OPTION
DIMENSIONS					

DIMENSION	HEIGHT	WIDTH	DEPTH*	PRINTER WT	SHIPPING WT
IMPERIAL	35.9"	25.8"	29.1 / 19.1"	115 lbs	165 lbs
METRIC	911.8 mm	655.3 mm	739.1 / 485.1 mm	52.1 kg	74.8 kg

* With Basket / Without Basket

ENVIRONMENTAL NOISE		
ACOUSTIC NOISE (DBA) PER ISO 7779	62	65
PRINTER CONFIGURATION		
PRINT SPEED (LINES PER MINUTE)	UPPER/LOWER CASE	UPPER/LOWER CASE
HIGH SPEED (DRAFT)	500/428	1000/856
DATA PROCESSING	375/300	750/600
NEAR LETTER QUALITY	200/154	400/306
GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE	IPM / (MM)	IPM / (MM)
60 X 48 DPI	63 (1600)	125 (3175)
60 X 72 DPI	42 (1067)	83 (2108)
90 X 96 DPI	21 (533)	42 (1067)
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND	IPS / (MM)	IPS / (MM)
SPEED INCHES / (MM) PER SECOND	12 (305)	20 (508)

P8000 ZERO TEAR

The P8000 Zero Tear is intended for customers printing expensive multi-part forms or serialized documents.
- **Print on-demand, single form tear-off usability**
- **Open Pedestal footprint with tractors below the print line to allow for zero forms waste in-between tear-offs**
- **Available in 500 and 1000 LPM speeds**

PRINTER MODEL				P8Z05	P8Z10
FEATURES & OPTIONS					
PRINTNET REMOTE PRINTER MANAGEMENT				STANDARD	STANDARD
INTELLIGENT RIBBON LIFE MONITOR				STANDARD	STANDARD
HIGH REAR PAPER TRAY				STANDARD	STANDARD
BLACK BACK FORMS PAPER OUT SENSOR				OPTION	OPTION
QUICK CHANGE MEMORY CARD				OPTION	OPTION
DIMENSIONS					

DIMENSION	HEIGHT	WIDTH	DEPTH*	PRINTER WT	SHIPPING WT
IMPERIAL	42.04"	25.8"	31.9 / 19.1"	145 lbs	190 lbs
METRIC	1067.8 mm	655.3 mm	810.2 / 485.1 mm	66 kg	86 kg

* With Basket / Without Basket

ENVIRONMENTAL NOISE		
ACOUSTIC NOISE (DBA) PER ISO 7779	64	68
PRINTER CONFIGURATION		
PRINT SPEED (LINES PER MINUTE)	UPPER/LOWER CASE	UPPER/LOWER CASE
HIGH SPEED (DRAFT)	500/428	1000/856
DATA PROCESSING	375/300	750/600
NEAR LETTER QUALITY	200/154	400/306
GRAPHICS PRINT SPEED INCHES / (MM) PER MINUTE	IPM / (MM)	IPM / (MM)
60 X 48 DPI	63 (1600)	125 (3175)
60 X 72 DPI	42 (1067)	83 (2108)
90 X 96 DPI	21 (533)	42 (1067)
PAPER FEED SLEW SPEED INCHES / (MM) PER SECOND	IPS / (MM)	IPS / (MM)
SPEED INCHES / (MM) PER SECOND	12 (305)	20 (508)

High-Powered Remote Printer Management

PrintNet® enterprise

CONTROL YOUR ENTIRE PRINTING NETWORK FROM ANYWHERE

Achieve higher efficiency and improve your company's productivity with PrintNet Enterprise™ remote printer management software. PrintNet Enterprise is a valuable time-saving tool for your mission critical operation.

PRINTNET ENTERPRISE

Total Control. Placing your enterprise-wide print operation at your fingertips.

PRINTNET FUNCTIONAL BENEFITS

PROBLEM	PRINTNET SOLUTION
Downtime and productivity loss due to lack of visibility to printer and ribbon status of remotely networked devices.	**DASHBOARD VIEWER:** Real-time dashboard visibility to printer and ribbon status for all networked printers.
Downtime caused by inability to receive alerts when printers are down.	**PROACTIVE ALERT NOTIFICATION:** Email and/or SMS alerts are immediately sent to the appropriate individual (based on alert class) when a printer is down. Alerts are even sent if a printer is mistakenly unplugged or disconnected from the network.
Inefficient and time consuming process for configuring printers.	**CONFIGURATION EDITOR:** Ability to quickly & easily configure up to all 8 custom configurations using a simple on-screen GUI.
Inability to configure or update multiple printers simultaneously, resulting in excessive helpdesk involvement and downtime.	**FILE DOWNLOAD:** Ability to download configuration files, firmware updates and printer resources to multiple printers simultaneously, grouped by location or function, thereby ensuring commonality while greatly reducing expense and potential errors.
Inability to quickly discern configuration differences from factory settings when installing & configuring new printers.	**FACTORY SETTINGS DIFFERENCES:** Immediate visibility to the configuration settings that differ from factory.
Time and expense associated with troubleshooting difficult/complex issues.	**JOB CAPTURE:** The ability to remotely capture data being sent to the printer, and view it in a hex editor. This function can greatly reduce the time to troubleshoot issues resulting from improperly formatted data, etc.
Difficulty walking users through op panel key presses over the phone due to inability to remotely control the printer.	**VIRTUAL OP PANEL:** Allows for full remote control of a networked printer via the use of a virtual op panel that is identical in function/appearance to the panel at the printer.
Time required to print & scan configuration settings (when needed by helpdesk support to assist with trouble shooting).	**INFORMATION CAPTURE:** Provides the ability to immediately view & save a digital copy of the error log and configuration settings.
Downtime resulting from operators manipulating printer settings via op panel.	**LOCK/UNLOCK MENUS UTILITY:** Allows administrator to hide menus to prevent unwanted access from the printer op panel.
Inability to reboot printer remotely.	**REBOOT PRINTER UTILITY:** Printer can be rebooted remotely without requiring any intervention from local operators.
No efficient method of quickly testing different formats on a printer.	**MACRO UTILITY:** Allows for job capture format files to be sent to the printer without using host or application resources.
Inability to view printer status from a PC that doesn't have PrintNet installed on it.	**REMOTE PRESENCE:** The ability to remotely view printer status, view current configuration and launch a printer webpage from any windows browser.

PRINTNET WEBPAGE

Printer Management Made Simple. You now have access and control of your printer through any internet browser. Capabilities include: Full configuration of printer menus, including uploading and downloading of saved configurations from your PC; Printer status monitoring with real-time updates; Diagnostics capabilities including job capture and firmware download.
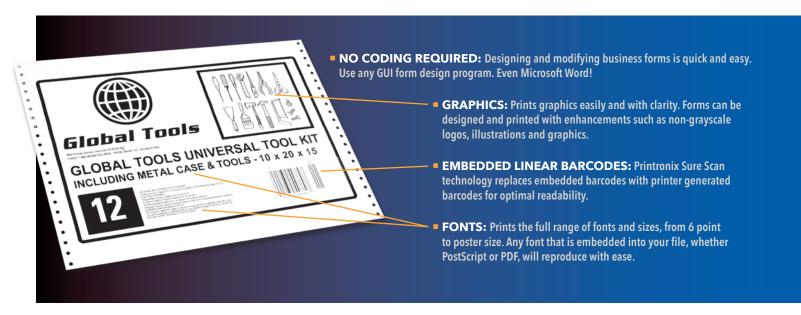
OpenPrint™

Simplicity of PDF & Postscript Printing Combined with the Reliability and Low Operating Cost that Only Line Matrix can Deliver.

Printronix OpenPrint functionality can be enabled on P8000 Plus models via the OpenPrint Field Option Upgrade Kit. Once enabled, the OpenPrint functionality will allow P8000 Plus printers to receive PDF or PostScript output directly from any ERP, WMS, or Windows application. Print Quality is maximized through native PostScript fonts and PDF interpreters. Barcode quality is managed by way of Printronix SureScan technology which ensures linear barcodes are printed with optimal readability. 2D barcodes, including QR Code, can also be printed, however, readability is dependent on the size of the barcode.

OpenPrint functionality delivers an unprecedented opportunity to leverage the industrial strength of line matrix technology within virtually any application environment. For those who are still running on legacy systems, OpenPrint upgradeability provides investment protection. For those who have migrated, or are migrating, to a new application system, OpenPrint offers IT professionals the option of deploying a no-compromise printing solution designed to deliver the lowest possible operating cost and unmatched dependability across a broad range of office and industrial environments.

Global Tools

GLOBAL TOOLS UNIVERSAL TOOL KIT
INCLUDING METAL CASE & TOOLS - 10 x 20 x 15

12

- **NO CODING REQUIRED:** Designing and modifying business forms is quick and easy. Use any GUI form design program. Even Microsoft Word!

- **GRAPHICS:** Prints graphics easily and with clarity. Forms can be designed and printed with enhancements such as non-grayscale logos, illustrations and graphics.

- **EMBEDDED LINEAR BARCODES:** Printronix Sure Scan technology replaces embedded barcodes with printer generated barcodes for optimal readability.

- **FONTS:** Prints the full range of fonts and sizes, from 6 point to poster size. Any font that is embedded into your file, whether PostScript or PDF, will reproduce with ease.

802.1X AND IPV6

P8000 Plus Models allow for optional 802.1X and IPv6 support. As IT organizations migrate to 802.1X and/or IPv6 to take advantage of increased network security, performance, and visibility, P8000 Plus printers can be upgraded to provide compatibility within the new network environment.

P8000/P8000 PLUS
Product Specifications

CONNECTIVITY/INTERFACES

Standard	USB 2.0, Serial RS-232, Ethernet 10/100BaseT
Optional	Parallel - IEEE 1284 Centronics
Optional (P8000 Plus)	802.1X and IPv6

CHARACTER PITCH (CHARACTERS PER INCH)

10, 12, 13.3, 15, 16.7, 17.1, 18, 20

LINE SPACING (LINES PER INCH)

6, 8, 9, 10.3, n/72, n/216

GRAPHICS RESOLUTION

120 dpi Horizontal, 144 dpi Vertical (max)

DOT SIZE

P8000: 16.7 mil (.42mm) / P8000 Plus: 13.6 mil (.35mm)

EMULATIONS

Standard	LP+ (Printronix P-Series, P-Series XQ, Serial Matrix, IBM ProPrinter III XL, Epson FX-1050), ANSI, PCL 2, TN5250/TN3270, Graphics Emulation PGL & VGL
	TG: Tally ANSI (Tally Industrial Graphics), Genicom ANSI, Printronix P600 (QMS Code V) / P5000 / P6000 (PGL – TG Version), Epson FX-1180, IBM ProPrinter, MTPL (Tally Dot Matrix), HP2564C (PCL3), DEC LG01 (text only)
Optional	IPDS, DEC LG (text & graphics) OpenPrint PDF & PostScript

CHARACTER SETS

99 plus character sets including ECMA Latin 1, DEC Multinational, IBM Code Page 437 and 850, OCR A, OCR B, UTF8 encoded Unicode

CHARACTER STYLES

Bold, italic, double wide, double high, overstrike, underline, subscript and superscript

FONTS

Standard:	NLQ Serif, NLQ Sans Serif, Data Processing, High Speed, OCR A, OCR B
Optional:	35 PostScript Level 3 fonts (OpenPrint)

BARCODES

30 resident symbologies, including Code 39, EAN 8/13, UPC A/E, Intelligent Mail, Postnet, Royal Mail, Interleaved 2 of 5, PDF 417, Data Matrix, QR Code

PRINTER SOFTWARE

Printronix PrintNet Enterprise remote management software, SAP device support

PRINTER DRIVERS

Windows XP, 7, 8, 10; Windows Server 2003, 2008/R2, 2012, 2016, 2019,2022; Linux/UNIX; SAP

POWER VOLTAGE

AC input range 100-240 VAC, 50/60 HZ

MEMORY

256 MB Flash / 128 MB DDR2 DRAM

POWER CONSUMPTION (TYPICAL)

- P8P05 / P8C05 / P8Z05 — 320 watts
- P8P10 / P8C10 / P8Z10 — 320 watts
- P8C15 (P8000 Plus) — 475 watts
- P8C20 (P8000 Plus) — 475 watts

MAXIMUM MONTHLY WORKLOAD (PAGES)

- P8P05 / P8C05 / P8Z05 — 120,000
- P8P10 / P8C10 / P8Z10 — 240,000
- P8C15 (P8000 Plus) — 360,000
- P8C20 (P8000 Plus) — 480,000

POWER CONSUMPTION (STANDBY)

5 watts

OPERATING TEMPERATURE

Environmental Operating Temperature 50° to 104° F, 10° to 40° C

PAPER TYPE

Continuous, fan folded, edge-perforation

PRINT WIDTH

13.6" (345mm)

MEDIA COPIES

Up to 6 part

MEDIA LENGTH

3" (76mm) to 12" (305mm)

MEDIA THICKNESS MULTI-PART

0.025" (0.64mm) max

MEDIA WIDTH

- 3" (76mm) to 17" (432mm)
- For Zero Tear models:
  – 7.5" (191mm) to 12" (305mm) for up to 4 part carbon and 6 part carbonless
  – 7.5" (191mm) to 16" (406mm) for up to 3 part carbon and 4 part carbonless

MEDIA WEIGHT SINGLE PLY

- 15 lb. Bond to 100 lb. Tag (56 to 163 g/m2)
- For Zero Tear models:
  – 18 lb. Bond to 100 lb. Tag (67.7 to 163 g/m2) for forms up to 12" (305mm) in width
  – 20 lb. Bond to 100 lb. Tag (75.2 to 163 g/m2) for forms up to 16" (406mm) in width

MTBF

10,000 hours at 25% duty cycle and 25% page density

CONSUMABLE/RIBBONS

Standard Life Cartridge Ribbon	17,000 pages
Extended Life Cartridge Ribbon	30,000 pages

Page yield based on ISO LSA Page, 8.5" x 11" letter-size, approximately 5% coverage

PRINTRONIX®

7700 Irvine Center Drive, Suite 700, Irvine, CA 92618

www.printronix.com