Dot matrix printer range

Reliable and robust dot matrix printing

EPSON®

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Contents

No.1 WORLD DOT MATRIX VENDOR

SINCE 1996

Dot matrix and passbook printers

Epson is the world's number one dot matrix printer vendor[1], with a product range that offers the ultimate in low cost, reliable and durable printing across a range of media.

Low total cost of ownership (TCO)

Reliable – built to last

Multi-copy printing in one print process

Printing at high speeds

Suitable for infrequent printing

Prints on a variety of media

Robust – works well in harsh environments (extreme heat, cold, humidity and dust)

Epson offers an unequalled variety of products for various requirements from small to large print volumes.

9 pin dot matrix printers

Ideal for commercial, industrial and logistic applications, our 9 pin dot matrix range delivers exceptional speed, and offers cost-effective and high precision alignment with sophisticated paper handling. This comprehensive range of narrow and wide carriage printers can tackle heavy duty print jobs.

24 pin dot matrix printers

Offering all the features available across the 9 pin range, but with the advantage of scalable fonts and letter quality printing for sharp, detailed text. Epson 24 pin printers are ideal for invoice and order printing.

24 pin dot matrix passbook printers

Our flexible PLQ passbook series offers banks, post offices and government institutions a passbook printer with a low total cost of ownership. With fast speeds it is ideal to print a wide range of media including passbooks, passports, tickets and visas.

Epson original ribbon

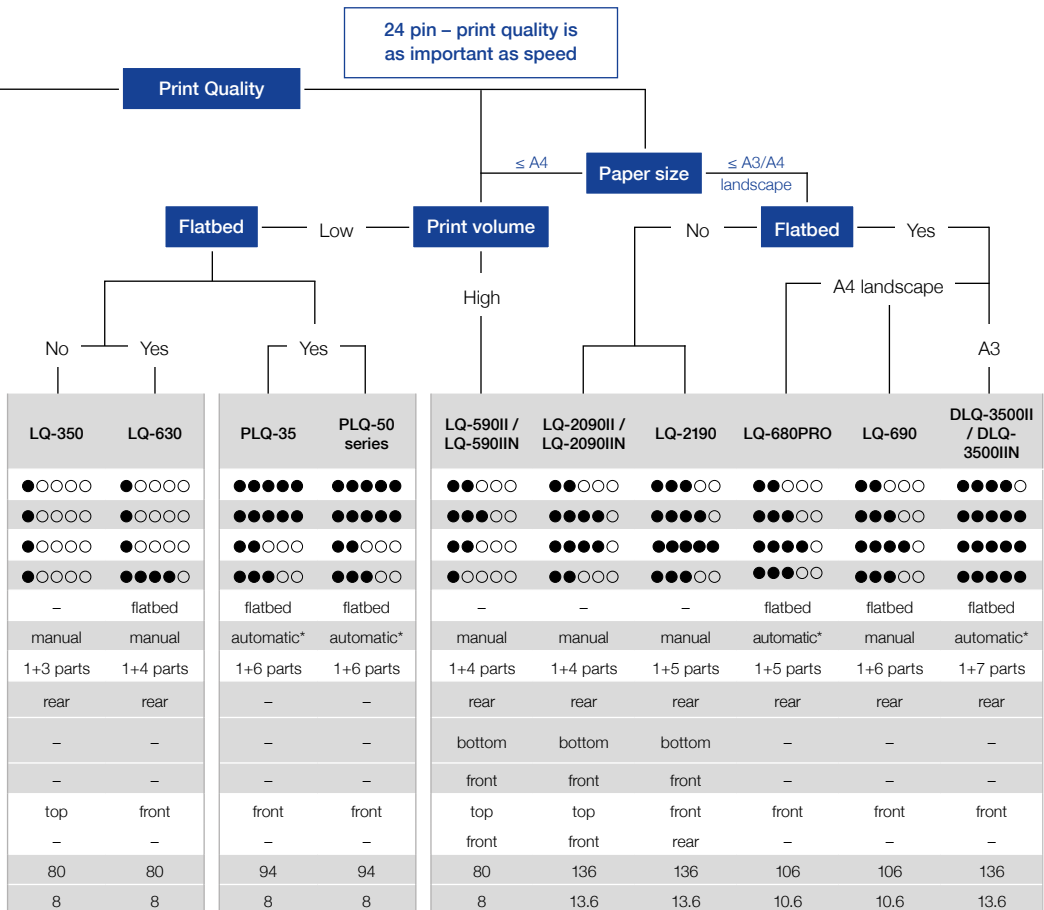## The only ribbon to match the quality of your dot matrix printer.

Epson original ribbon is the perfect partner for your Epson dot matrix printer, and keeps the warranty covered.

With up to 75% greater reliability than the competition, not only does the made-to-measure design extend your print head lifecycle, it also guarantees consistently smooth feed, minimising the need for maintenance.

Choose the right dot matrix printer to suit your needs

9 pin – speed is more important than print quality

≤ A4 ← **Paper size** → ≤ A3/A4 landscape

Print volume   **Print volume**

Low   High   Low   High

Key
●○○○○ Low
●●●●● High

		LX-350	FX-890II / FX-890IIN	LX-1350	FX-2190II / FX-2190IIN	DFX-9000	DFX-9000N
Speed		●○○○○	●●●●○	●○○○○	●●●●○	●●●●●	●●●●●
Print volumes/durability		●○○○○	●●●●○	●○○○○	●●●●○	●●●●●	●●●●●
Footprint		●○○○○	●●○○○	●●○○○	●●●●○	●●●●●	●●●●●
Quieter printing		●○○○○	●●●○○	●○○○○	●●●○○	●●●●○	●●●●○
Flatbed printer		–	–	–	–	–	–
Platen gap adjustment		manual	manual	manual	manual	automatic*	automatic*
Multi-copy capability		1+4 parts	1+5 parts	1+4 parts	1+5 parts	1+9 parts	1+6 parts
Paper feeds/continuous		rear	rear	rear	rear	rear	rear
		–	bottom	–	bottom	bottom (front)	bottom
		–	front	–	front	–	–
Cut sheet		top	top	top	top	–	–
		–	–	–	front	–	–
Print width	Columns	80	80	136	136	136	136
	Inches	8	8	13.6	13.6	13.6	13.6

Product name code	Example	Description
LX	LX-350	9 pin printer
LQ	LQ-590II	24 pin printer
PLQ	PLQ-35	24 pin printer
N	FX-2190IIN	Network enabled
*2-digit number	LQ-50	Prints 50 characters up to A5
3-digit number	LX-350	Prints 80 characters up to A4 portrait or 106 characters up to A4 landscape
4-digit number	LX-1350	Prints 136 characters up to A3

*The exception is the PLQ models which print 94 characters

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24 pin – print quality is as important as speed

Print Quality

≤ A4 — **Paper size** — ≤ A3/A4 landscape

Flatbed — Low — **Print volume** — No — **Flatbed** — Yes

High

A4 landscape

No — Yes — Yes — A3

	LQ-350	LQ-630	PLQ-35	PLQ-50 series	LQ-590II / LQ-590IIN	LQ-2090II / LQ-2090IIN	LQ-2190	LQ-680PRO	LQ-690	DLQ-3500II / DLQ-3500IIN
	●○○○○	●○○○○	●●●●●	●●●●●	●●○○○	●●○○○	●●●○○	●●○○○	●●○○○	●●●●○
	●○○○○	●○○○○	●●●●●	●●●●●	●●●○○	●●●●○	●●●●○	●●●○○	●●●○○	●●●●●
	●○○○○	●○○○○	●●○○○	●●○○○	●●○○○	●●●●○	●●●●●	●●●●○	●●●●○	●●●●●
	●○○○○	●●●●○	●●●○○	●●●○○	●○○○○	●●○○○	●●●○○	●●●○○	●●○○○	●●●●●
	–	flatbed	flatbed	flatbed	–	–	–	flatbed	flatbed	flatbed
	manual	manual	automatic*	automatic*	manual	manual	manual	automatic*	manual	automatic*
	1+3 parts	1+4 parts	1+6 parts	1+6 parts	1+4 parts	1+4 parts	1+5 parts	1+5 parts	1+6 parts	1+7 parts
	rear	rear	–	–	rear	rear	rear	rear	rear	rear
	–	–	–	–	bottom	bottom	bottom	–	–	–
	–	–	–	–	front	front	front	–	–	–
	top	front	front	front	top	top	front	front	front	front
	–	–	–	–	front	front	rear	–	–	–
	80	80	94	94	80	136	136	106	106	136
	8	8	8	8	8	13.6	13.6	10.6	10.6	13.6

9 pin dot matrix printers

Ideal for commercial, industrial and logistics applications.

Model name	9 pin dot matrix		
	LX-350	LX-1350	FX-890II
No. of Pins	9	9	9
Carriage Width	80	136	80
Print Volume	Low	Low	High
Max Print Speed	357 at 12cpi	357 at 12cpi	735 at 12cpi
MTBF	10,000	10,000	25,000
Ribbon Yield (million characters)	4m	4m	7.5m
Continuous stationery			
Single sheet or labels	✓	✓	✓
Multi-part (original + copies)	1+4	1+4	1+5
Multipart with overlap			
Rear in top out – push feed	✓	✓	✓
Rear in top out – pull feed	✓		✓
Rear in top out – push and pull feed			✓(Optional)
Front in top out – push feed			✓
Front in top out – pull feed			✓
Front in top out – push and pull feed			✓(Optional)
Bottom in top out – pull feed			✓
Two stationery types loaded at once			✓(Optional)
Optional paper handling			
Convertible tractor unit		✓	✓
Roll paper holder	✓	✓	✓
Front sheet guide			
50 sheet cut sheet feeder	✓		✓
150 sheet cut sheet feeder			✓
Perforation cutter			
Interfaces interfaces[4]			
Interface (0K buffer)			
EpsonNet 10/100 Base Tx Int. Printer Server 5e			

9 pin dot matrix				
FX-890IIN	**FX-2190II**	**FX-2190IIN**	**DFX-9000**	**DFX-9000N**
9	9	9	9	9
80	136	136	136	136
High	High	High	High	High
735 at 12cpi	735 at 12cpi	735 at 12cpi	1550 at 12cpi	1550 at 10cpi
25,000	25,000	25,000	20,000	20,000
7.5m	12m	12m	15m	15m
✓	✓	✓	✓	✓
1+5	1+5	1+5	1+9 front	1+6 rear
			✓	✓
✓	✓	✓	✓	✓
✓	✓	✓	Optional	Optional
✓(Optional)	✓(Optional)	✓(Optional)	Optional	Optional
✓	✓	✓	✓	✓
✓	✓	✓	Optional	Optional
✓(Optional)	✓(Optional)	✓(Optional)	Optional	Optional
✓	✓	✓		
✓(Optional)	✓(Optional)	✓(Optional)	✓	✓
✓	✓	✓		
✓	✓	✓		
	✓	✓		
✓				
✓	✓	✓		
			✓	✓
✓		✓		✓
✓		✓		✓

24 pin dot matrix printers

Ideal for front desk applications in the retail and service industries, as well as invoice and order printing.

Model name	24 pin dot matrix		
	LQ-350	**LQ-590II**	**LQ-590IIN**
No. of Pins	24	24	24
Carriage Width	80	80	80
Print Volume	Low	Low	Low
Max Print Speed	357 at 12cpi	550 at 10cpi	550 at 10cpi
MTBF	10,000	25,000	25,000
Ribbon Yield (million characters)	2.5m	5m	5m
Continuous stationery			
Single sheet or labels	✓	✓	✓
Multi-part (original + copies)	1+3	1+4	1+4
Multipart with overlap			
Rear in front out – push feed			
Rear in top out – push feed	✓	✓	✓
Rear in top out – pull feed		✓	✓
Rear in top out – push and pull feed		✓(Optional)	✓(Optional)
Front in top out – push feed	✓	✓	✓
Front in top out – pull feed		✓	✓
Front in top out – push and pull feed	✓(Optional)	✓(Optional)	✓(Optional)
Bottom in top out – pull feed		✓	✓
Two stationery types loaded at once		✓(Optional)	✓(Optional)
Optional paper handling			
Roll paper holder	✓	✓	✓
50 sheet cut sheet feeder	✓	✓	✓
150 sheet cut sheet feeder		✓	✓
Interfaces			
Serial interface (0K buffer)			✓
EpsonNet 10/100 Base Tx Int. Printer Server 5e			✓

24 pin dot matrix	
LQ-630	**LQ-680PRO**
24	24
80	106
Low	Medium
360 at 12cpi	529 at 12cpi
6,000	10,000
2m	2m
✓	✓
1+4	1+5
	✓
✓	✓
✓	
	✓
	✓
	✓
	✓

24 pin dot matrix printers

Model name	24 pin dot matrix		
	LQ-690	**LQ-2090II**	**LQ-2090IIN**
No. of Pins	24	24	24
Carriage Width	106	136	136
Print Volume	Medium	High	High
Max Print Speed	529 at 12cpi	550 at 10cpi	550 at 10cpi
MTBF	20,000	25,000	25,000
Ribbon Yield (million characters)	10m	8m	8m
Continuous stationery			
Single sheet or labels	✓	✓	✓
Multi-part (original + copies)	1+6	1+4	1+4
Multipart with overlap			
Rear in front out – push feed	✓		
Rear in top out – push feed	✓	✓	✓
Rear in top out – pull feed		✓	✓
Rear in top out – push and pull feed		✓(Optional)	✓(Optional)
Front in top out – push feed		✓	✓
Front in top out – pull feed		✓	✓
Front in top out – push and pull feed		✓(Optional)	✓(Optional)
Bottom in top out – pull feed		✓	✓
Two stationery types loaded at once		✓(Optional)	✓(Optional)
Optional paper handling			
Convertible tractor unit		✓	✓
250 sheet cut sheet feeder			
Automatic sheet alignment			
Interfaces			
Serial interface (0K buffer)			✓
EpsonNet 10/100 Base Tx Int. Printer Server 5e			✓

24 pin dot matrix		
LQ-2190	**DLQ-3500II**	**DLQ-3500IIN**
24	24	24
136	136	136
Medium	High	High
576 at 12cpi	550 at 10cpi	550 at 10cpi
20,000	10,000	10,000
15m	9m	9m
✓	✓	✓
1+5	1+7	1+7
	✓	✓
	✓	✓
✓		
✓		
✓		
✓		
✓		
✓(Optional)		
✓		
✓		
✓		
		✓
✓		✓
✓		✓

24 pin dot matrix passbook printers

Our PLQ passbook series offers banks, post offices and government
institutions a passbook printer with a low total cost of ownership.

Model name	24 pin dot matrix PLQ	
	PLQ-35	**PLQ-50 series**
No of Pins	24	24
Carriage Width	94	94
Max Print Speed	540 at 10cpi	630 at 10cpi
MTBF	35,000 hours	35,000 hours
Copies	6 + 1	6 + 1
Interfaces	IEEE-1284 compatibility mode, EIA-232, USB 2.0 Full speed	IEEE-1284 compatibility mode, EIA-232, USB 2.0 Full speed
Emulations	ESC/P2, Olivetti PR2, IBM4722FP, IBM PPDS, WNI4915, ESC/P2 + ESC/MC	ESC/P2, Olivetti PR2, IBM4722FP, IBM PPDS, WNI4915, ESC/P2 + ESC/MC
Ribbon yield (million characters)	5m	5m

For more information please visit: www.epson.ie/verticals/dotmatrix-printers

Cheque scanner solutions for banks

Accuracy, performance, reliability, security, ease-of-use. Delivering all these qualities through innovative print and scanning technology, Epson's cheque scanners make electronic cheque capture simple to implement – for both retailers and financial organisations.

Model name	Cheque scanners		
	TM-S1000	**TM-S2000II-MJ**	**TM-S9000II-MJ**
Documents per minute	60DPM	130/225DPM	130/225DPM
Scanning mode	Black and White, Grey scale	Black and White, Grey scale, Colour, IR (InfraRed)	Black and White, Grey scale, Colour, IR (InfraRed)
Pocket capabilities	2 pockets Main pocket: 100 Sheets Sub pocket: 50 Sheets	1 or 2 pockets Main pocket: 100 Sheets Sub pocket: 50 Sheets (2 pockets model)	1 or 2 pockets Main pocket: 100 Sheets Sub pocket: 50 Sheets (2 pockets model)
Interfaces	USB	USB	USB
Receipt print	–	–	300mm/s
Dimensions mm (W×D×H)	355×176×160	One pocket model: 142×375×206 Two pockets model: 136×410×206	One pocket model: 250×375×206 Two pockets model: 275×410×206
Colour	Dark Grey	Black	Black

POS printers

With a host of smart features, our POS, mPOS and Fiscal printers introduce a range of new possibilities – enabling you to take full control of your environment.

Model name	POS printers		
	TM-C710	**TM-J7200**	**TM-J7700**
Print speed receipt	130mm/sec	98mm/sec	98mm/sec
Receipt print	Full Colour Inkjet at 720×360dpi	Inkjet (600dpi)	Inkjet (600dpi)
Changeable interface	–	–	–
Interfaces	USB and Ethernet	USB and Ethernet, Drawer kick-out	USB and Ethernet, Drawer kick-out
Paper roll width (mm)	58	80	80
Dimensions mm (W×D×H)	140×210×222	195×260×188	195×260×188
Colour	Dark Grey	Black or White	Black or White

Dot matrix printers in action

Castilla y Leon

Epson offered the ideal solution by customising its PLQ-20 passbook printer to handle thicker passbooks.

With a customisation of the PLQ-20, Epson offered the schools of Junta de Castilla in Spain, a perfect solution which enabled them to print directly on the surface of the students' passbooks, improving efficiency.

Previously the schools of Junta de Castilla had been printing individual labels to enter academic records, and gluing them into students' passbooks.

As these printed labels were easy to forge or tamper with, the autonomous communities decided it would be preferable to print directly onto the pages of the passbooks. At the same time, the communities wanted to introduce thicker passbooks with more pages, so that a single book would last through primary and secondary school.

By utilising Epson's PLQ-20 passbook printers, gained the schools of Junta de Castilla the flexibility to print passbooks of up to 46 pages plus the cover. Furthermore, the solution delivers high-quality, long-lasting prints which reduce the scope for counterfeit passbook entries.

Junta de Castilla is delighted with Epson's solution and has made an initial purchase of 1,000 PLQ-20 printers.

Local Police of the Municipality of Bucharest

Police officers in Bucharest can now issue fines for traffic and public order offences instantly using Epson's LQ-50 matrix printer.

Epson has provided the local police in the municipality of Bucharest, Romania with 25 of its LQ-50 matrix printers. The project, in collaboration with Interactive Systems and Business Consulting, lessens both the waiting time for the offender and time spent by officers writing reports by hand.

We received an LQ-50 printer from Epson to test and see whether we could adapt it to the requirements of the Local Police," says Gabriel Dorneanu at Epson reseller, Interactive Systems and Business Consulting. "That helped us a great deal as we were able to come to a solution that suited us perfectly."

"The representatives of the Local Police of the Municipality of Bucharest required a printer that was small, sufficiently compact, and rigid enough to withstand the shocks that occur when driving a car. It also had to print on carbonless paper with three layers. We looked it up on the internet and got in contact with Epson," adds Dorneanu.

As well as being adapted to be used in the boots of police cars, the 25 LQ-50 printers were modified to work with an all-in-one computer and a software program for editing offence reports. The flexibility of the Epson units meant that it was easy to change power supply so that they could be used at a voltage of 12V.

Committed to corporate and social responsibility

Epson is committed to developing environmentally conscious products, which means that sustainability is considered from conception to completion. We help customers recognise the environmental gains brought on by technology, whether it is redefining manufacturing through innovative robotics, saving energy with our office printing technology or revolutionising textile printing with digital solutions.

We are committed to all 17 United Nations' sustainable development goals and to the aims of the circular economy. We offer sustainable innovations because we recognise that the choices we make as organisations, individuals or a society will be essential to our shared success.

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