

Original EPSON ribbons and Ink for POS printers

A ribbon cassette is an essential part of a dot-matrix printer and in turn of a cash register system, a fact that soon becomes obvious when ribbon problems lead to printer-related failure of the cash register. In the retail, it is known that cash register breakdowns represent a serious threat to turnover and are something to be avoided at all cost. For this reason, EPSON places particular importance on measures to safeguard the quality. These measures start before production begins and continue throughout the production process. To start with, priority is given to the design: An exact fitting ribbon cassette enables easy and user-friendly replacement and does not jump out during printing. Perfect harmonisation between printer mechanism and ribbon transport means uniform distribution of colour which, in turn, ensures a clean and easy to read printout and also makes ribbon-tightening a thing of the past.

Of course, in the choice of ribbon fabric and mesh thickness, EPSON pays special attention to the particular properties of the print head, in order to ensure that the ribbon does not fray and there is no chance of it getting stuck. In addition, costly repairs as a result of defective print heads and cash register breakdowns are avoided.

Likewise, EPSON places great emphasis on the choice of ink in which the ribbon is soaked: quality of print out, even distribution of colour along the length of the ribbon and predection of the print head pins from mechanical strain and chemical pollution are the important criteria which influence quality and perfect design.

SEA-Jet printers

For the EPSON SEA-Jet printers TM-J2000/2100, TM-J7000/7100, TM-J7500/7600 and TM-C100 EPSON has developed special ink and cartridges to meet the needs of the POS environment. The ink is extremely quick drying so that goods cannot get dirty from it. Nevertheless the printhead does not dry out due to a sophisticated cleaning system. Also the clear advantage of receipt printing with ink-jet technology as compared with the use of thermal paper is that the ink-jet receipt on ordinary paper is absolutely light-fast and durable. This is extremely important to the end user if the receipts need to be kept for tax returns.

The large black ink cartridge of the TM-J2000 lasts up to 24 Million characters, which is much more than any ribbon can afford. The cartridge of the TM-J2100 is splitted into two separate sections: one with black and the other with coloured ink. So all ink is used efficiently. Standard colours are black plus red, green, and blue. But on project base it is also possible to combine for example yellow and blue as the Austrian retailer Zielpunkt or Fressnapf in Germany have chosen.

Over and above the design, EPSON places great importance on quality assurance during the production process. In doing so, EPSON guarantees excellent product properties at all times and an optimum harmonisation with the main product - the EPSON POS printer.



Ensure high reliability of the printhead and perfect readability: EPSON ribbon cassettes



The large capacity cartridges for TM-J2000 and -2100 for up to 24/17 million characters in economy mode



The easy to handle and cost efficient cartridges for TM-J7100 and -7600



The black ink from SJIC8 ensures up to 20 million characters for the TM-J7000 and -7500

Features of EPSON consumables

Your benefit

Quality assurance measures during production	Excellent unwavering product properties. Optimum harmonisation of ribbon and printer
Harmonisation between printer mechanism and ribbon transport in the ribbon cassette	Even ribbon transport so ribbon tightening unnecessary
Optimum ink tolerance in the ribbon	The print head is protected from over-strain and is durable. Clean print out pleasing to the eye and well readable
The mesh size of the ribbon fabric is harmonised with the diameter of the pins	The print head pins do not break off. No expensive repairs and no premature print head replacement necessary No ribbon fraying or sticking that can lead to cash-register breakdowns and can represent a real threat to turnover
Well designed, exact fitting ribbon cassette	Easy, user-friendly ribbon replacement. Constant, firm position prevents the cassette jumping out during printing
Ink for SEA-Jet printers is drying extremely fast	Ink on receipts and slips cannot smear
Brilliant colours	Highlights whatever must be noticed of great importance
High capacity ink cartridge	Saves waiting time at the POS for change of the cartridge is very seldom needed
Splitted cartridge for 2-colour printers	All ink is used even if one colour is empty
High reliability	The high reliability results in a low error ratio and avoids failures of cash systems; motivation of staff increases.
An EPSON product	The performance of a strong partner, wide experience and support

Overview ribbons for POS-printers

Printer	Ribbon	black	purple	Black&red
TM-545	ERC 11	-	●	-
TM-267/267II	ERC 23	●	●	●
TM-267/267II,-250, -270, -280	ERC 23	●	●	-
TM-U290/II, -U295, TM-H3000R	ERC 27	●	●	-
TM-H5000/II, -U930/II, -U950/925, -U590	ERC 31	●	●	-
RP-U420	ERC 32	-	●	-
TM-U675/-H6000/-H6000/II	ERC 32	●	●	-
TM-U200 Serie	ERC 38	●	●	-
TM-U210/-U220/-U230/-U300/-U375 Serie	ERC 38	●	●	●

Average ribbon capacity

Ribbon	colour	capacity
ERC-38B	Black	3 Mio.
ERC-38P	Purple	4 Mio.
ERC-38B/R	Black/Red	1,5 Mio. / 0,75 Mio.
ERC-31B	Black	4,5 Mio.
ERC-31P	Purple	7 Mio.
ERC-27B	Black	1 Mio.
ERC-27P	Purple	1,5 Mio.
ERC-23B	Black	1,5 Mio.
ERC-23P	Purple	1,5 Mio.
ERC-23B/R	Black /Red	0,75 Mio. / 0,75 Mio.
ERC-11B	Black	2 Mio.
ERC-11P	Purple	6 Mio.
ERC-02II	Black/Red	1,0 Mio. / 0,5 Mio.
ERC-32P	Purple	6 Mio.
ERC-32B	Black	4,5 Mio.

EPSON ink for SEA-Jet-printers

Printers	ink	colour	Max. capacity (charcters)*
TM-J8000	SJIC1	Black	12 Mio.
TM-J2000	SJIC5	Black	24 Mio.
TM-J2100 black&colour	SJIC3-K	Black	11,5 Mio.
	SJIC4-R	Red	5,5 Mio.
	SJIC4-G	Green	5,5 Mio.
	SJIC4-B	Blue	5,5 Mio.
TM-J7000/7500	SJIC8	Black	20 Mio.
TM-J7100/7600 black&colour	SJIC6-K	Black	10 Mio.
	SJIC7-R	Red	5 Mio.
	SJIC7-G	Green	5 Mio.
	SJIC7-B	Blue	5 Mio.
TM-C100	SJIC9	4-colour CMYK	Capacity of approx. 660 tickets, 100 x 280 mm printing area and coverage of 8.5 % of all colours

* in economy mode

Overview EPSON ribbons for mechanisms (MPM)

Ribbon	mechanism
ERC02IIBR	-> M-210/211/215 mechanisms, black/red
ERC02IIB	-> M-210/211/215 mechanisms, black
ERC03B	-> M-210V/211V/220/222/240 mechanisms, black
ERC03P	-> M-210V/211V/220/222/240 mechanisms, purple
ERC05B	-> M-150, M-150II mechanisms, black
ERC05P	-> M-150, M-150II mechanisms, purple
ERC09B	-> HX-20, M-160/M-180/M-190 series mechanisms, black
ERC09P	-> HX-20, M-160/M-180/M-190 series mechanisms, purple
ERC11B	-> M-515/525/545 mechanisms, black
ERC11P	-> M-515/525/545 mechanisms, purple
ERC15B	-> M-170 mechanisms, black
ERC15P	-> M-170 mechanisms, purple
ERC18B	-> M-2630/2640/2660 mechanisms, black
ERC18P	-> M-2630/2640/2660 mechanisms, purple
ERC21B	-> M-2728/2748 mechanisms, black
ERC21P	-> M-2728/2748 mechanisms, purple
ERC22B	-> M-180/190 series mechanisms, "longlife", black
ERC22P	-> M-180/190 series mechanisms, "longlife", purple
ERC23B	-> M-260 series mechanisms, black
ERC23BR	-> M-252/262/267 mechanisms, black/red
ERC23P	-> M-260 series mechanisms, purple
ERC24B	-> M-186 mechanisms, purple
ERC27B	-> M-290 mechanisms, black
ERC27P	-> M-290 mechanisms, purple
ERC28B	-> M-2000 mechanisms, black
ERC30P	-> M-280 "longlife" mechanisms, purple
ERC32B	-> M-U420/820/825 mechanisms, black
ERC32P	-> M-U420/820/825 mechanisms, purple
ERC35P	-> M-875 mechanisms, purple
ERC37P	-> M-780 mechanisms, purple
ERC39P	-> M-U110, M-U310/311 series mechanisms,, purple
ERC40P	-> M-190G series, -10 to 50°C mechanisms, purple, longlife