

TECHNICAL SPECIFICATIONS

	ML-32000	ML-16000
PRINT	PrecisionCore inkjet technology	
Printing technology	PrecisionCore inkjet technology	
Number of printheads	32	8 / 16
Number of colours	8	8
Maximum print resolution	1,200 x 1,200 dpi	
Gradation process	Variable-Sized Droplet Technology	
Max print width	1,800 mm (71") - 2,400 mm (94") - 3,400 mm (133")	
Max print length	unlimited	
Max leather width	1,800 mm (71") - 2,400 mm (94") - 3,400 mm (133")	
Max leather thickness	10 mm	
Acid	Black, Cyan, Magenta, Yellow, Grey, Red, Blue, Cobalt, Orange, Rubine, Fluorescent Pink, Fluorescent Flavine	
Pigment	Black, Cyan, Magenta, Yellow, Grey, Red, Green, Orange	
Ink Capacity	10 litres	
PRINT SPEED**		
Maximum printing speed (m2/h)	697 (300 x 600 dpi, 1 pass)	417 (300 x 600 dpi, 1 pass)
Typical printing speed 1 (m2/h)	423 (600 x 600 dpi, 2 pass)	236 (600 x 600 dpi, 2 pass)
Typical printing speed 2 (m2/h)	305 (900 x 600 dpi, 3 pass)	158 (900 x 600 dpi, 3 pass)
Maximum printing speed (sq ft/hr)	7,502 (300 x 600 dpi, 1 pass)	4,489 (300 x 600 dpi, 1 pass)
Typical printing speed 1 (sq ft/hr)	4,553 (600 x 600 dpi, 2 pass)	2,540 (600 x 600 dpi, 2 pass)
Typical printing speed 2 (sq ft/hr)	3,283 (900 x 600 dpi, 3 pass)	1,701 (900 x 600 dpi, 3 pass)
LEATHER HANDLING		
Leather drive	Conveyor belt with adhesive	
Belt washing	Automatic	
STANDARD FEEDER		
Roll diameter	300 mm (11.8")	
Roll weight	100 kg (220 lb)	
Roll core diameter	2" or 3" (ML-32000-340 / ML-16000-340 : 3" only)	
ENVIRONMENTAL CHARACTERISTICS		
Temperature	Operating: 20°C - 30°C (68°F - 86°F), Recommended: 22°C - 28°C (72°F - 82°F)	
Humidity	Operating: 40-60%RH (no condensation)	
DIMENSIONS		
Printer	ML-32000 / ML-16000 : 4,610 (W) x 2,500 (D) x 2,070 (H) mm (181 x 98 x 81 in) ML-32000-240 / ML-16000-240 : 5,260 (W) x 2,490 (D) x 1,950 (H) mm (207 x 98 x 77 in)	
Control box	ML-32000 / ML-16000 : 660 (W) x 1,500 (D) x 2,290 (H) mm (26 x 59 x 90 in) ML-32000-240 / ML-16000-240 : 660 (W) x 1,500 (D) x 2,270 (H) mm (26 x 59 x 89 in)	
WEIGHT		
Printer	ML-32000 / ML-16000 : Approx. 3,900 kg (8,598 lb) ML-32000-240 / ML-16000-240 : Approx. 4,300 kg (9,480 lb)	
Control box	Approx. 400 kg (882 lb)	
Ink Rack	Approx. 240 kg (529 lb)	
ELECTRICAL		
Voltage	Main unit: 400V, 3 phase + Neutral + Earth, 50Hz/60Hz	
Rated current**	Main unit: 30A	
Apparent power (VA)**	Main unit: 20.7kVA (Operating)	
CERTIFICATIONS**	<p>Mexico: NOM-019-SCFI-1998 section 1.2 Brazil: NR12 Safety in Machinery and Equipment Work EU, EFTAcountries, Turkey: EN ISO 12100, EN 13849-1, EN 60204-1, EN 1010-1, EN 55011, EN 61000-6-2 Morocco: Order No.2573-14, No.2574-14 Russia, Belarus, Kazakhstan: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2, EN 62311 Ukraine: EN 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2 Jordan: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2 Australia, Newzealand: AS CISPR11 India: (HSE, Declaration) Electrics and Information Technology Goods (Requirements for Compulsory Registration) Order, 2012 IS13252 (Part 1) Korea: KS C 9811, KS C 9610-6-2 Serbia: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2</p> <p>EU, EFTAcountries, Turkey: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2 Morocco: Order No.2573-14, Order No.2574-14 Russia, Belarus, Kazakhstan: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2, EN 62311 Ukraine: EN 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2 Jordan: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2 Serbia: EN ISO 12100, EN 13849-1, EN 60204-1, EN 55011, EN 61000-6-2</p>	
Electromagnetic	Korea: KN11, KN61000-6-2	
NETWORK		
Transmission speed	100BASE-TX or more (recommended)	

* Printing width: 1500mm, Printing mode: bidirectional. Printing speeds vary depending on such factors as image printed, firmware version, operating state of PC and print settings.
** Please contact Epson for the specifications of ML-32000-240 / ML-16000-240.

Epson Europe B.V.

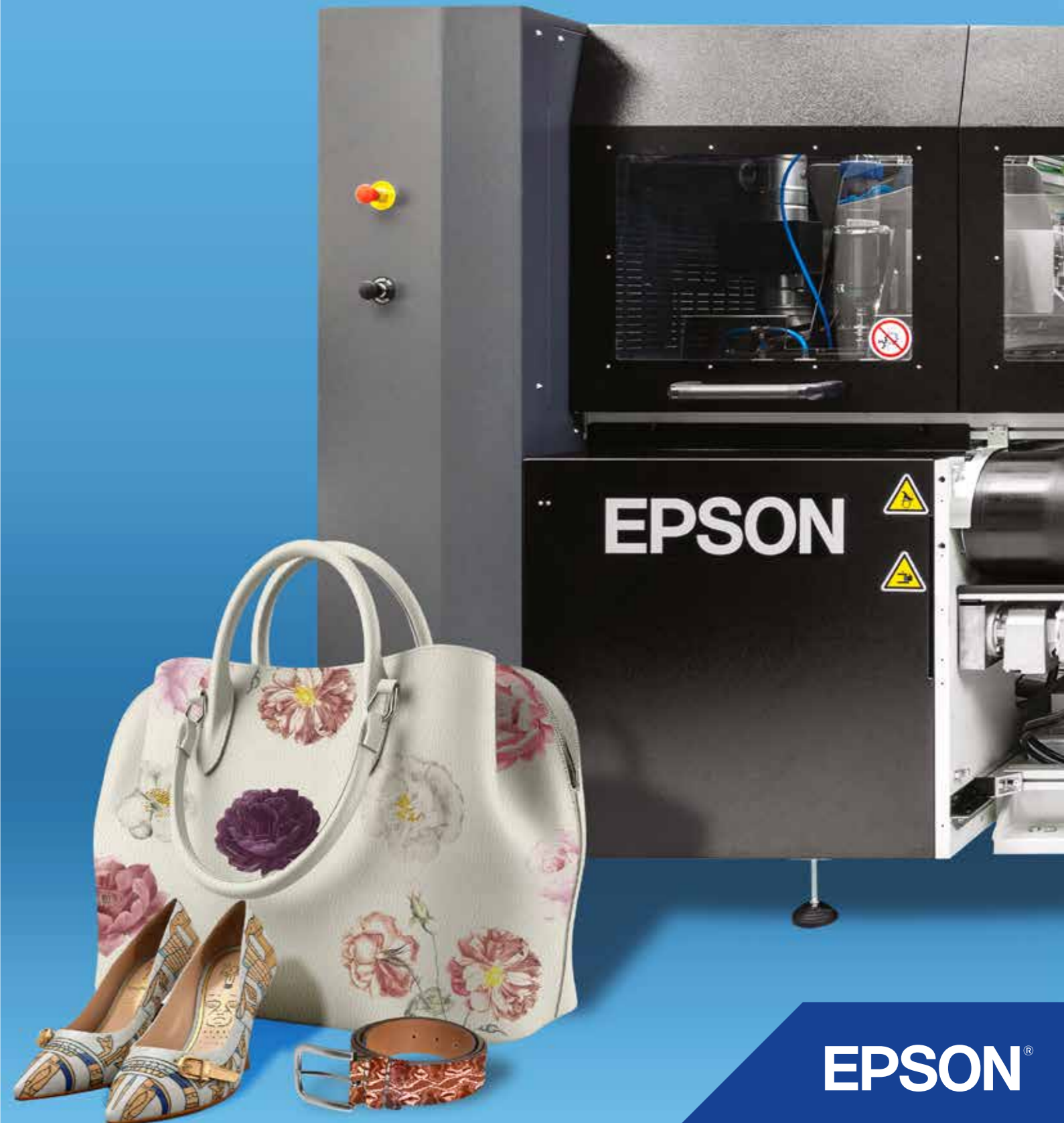
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EPSON®

Monna Lisa ML-16000 / ML-32000

The industry leader
in leather printing
image quality



EPSON®

Monna Lisa: evolution, development and innovation

Monna Lisa is the fully integrated system for industrial digital printing on leather where all components belong to the same process, Textile Total Solution, ensuring the best printing results and the utmost customer satisfaction. Monna Lisa represents the evolution of Epson industrial digital textile printers and has become a reference standard for high quality printing in such fields of application as haute couture & bags, accessories, shoes and sportswear.

Flexibility and reliability

Monna Lisa provides users with a single printer to meet a variety of different production needs. It can manage water-based Acid inks to print on any type of leather from the simplest to the most complex designs with uncompromising quality, speed and repeatability.

The printer is available in several configurations, differentiated by number of print heads (8 or 16 print heads configuration with the ML-16000 or 32 print heads with the ML-32000).

Powered by Epson PrecisionCore

Driving the Monna Lisa is a new print head array featuring Epson's advanced PrecisionCore technology. Taking the example of 128 PrecisionCore MicroTFP print chips configured as 32 four-chip print heads, the array provides 12,800 nozzles* for each colour and outstanding productivity. While being highly durable, it is also designed for easy maintenance to minimise downtime.

Epson Genesta inks

Genesta Acid inks ensure precision, reliability and durability and the highest quality on any type of leather. Inks are available in colour racks of 10 L capacity. Epson Genesta Acid inks meet globally recognized standards for environmentally friendly leather printing: they have been granted the ECO PASSPORT certification by OEKO-TEX®, they are bluesign® approved and have been GOTS approved by ECOCERT**. Also Genesta pigment inks are suitable for leather printing.

* In 8-colour configuration

**Except Black AC-N / Grey AC-N for GOTS



Key features

Ink management

A dedicated management system reduces downtime.

A choice of head configurations

8 or 16 head and 32 head models.

Easy UI for operation and maintenance tasks

Intuitive and easy-to-use control panel gives operators fine control of printer and fabric settings to ensure high quality output with a wide range of designs.



Precision drive belt

A robust, high precision drive belt mechanism ensures stable wrinkle free transport.

Double head-strike sensors

Optical and mechanical sensors detect folds or wrinkles of leather and immediately stop the carriage to prevent head strike.

Inner and outlet

A table to load your adhesive tape to transport leather and its rewinder assure accuracy in printing.

