Flexibility in Printing to Serve Various Printing Needs

Known for its adaptability to a wide range of applications, Epson's superior inkjet printing technology realises fuss-free direct-to-fabric printing. The Monna Lisa ML-32000 can fulfil a wide variety of production needs, making it an invaluable asset in the textile printing business.

Haute Couture Fashion

Monna Lisa provides clothing designers from leading Italian and foreign fashion houses with a wealth of colours and shades to create unique items that combine both innovation and artisanry.

Fast Fashion

Monna Lisa endows the productivity demanded by fast fashion retailers with its typical quality standards, for collections that are more than just seasonal.

Fashion Accessories

Natural fabrics and innovative yarn for scarves, ties, shoes or handbags are enriched with traditional motifs and original patterns featuring precision of detail and unparalleled repeatability achievable only with Monna Lisa.

Home Textiles

Curtains, sofa and armchair fabrics, home linens and contract furnishing fabrics are all produced with different types of yarn. Monna Lisa's extensive variety of inks produces fabrics embellished with designs and original colours that last through the years.

Sportswear

Thanks to extensive ink testing, Monna Lisa provides excellent quality even on innovative technical fabrics developed to meet increasingly sophisticated communication and functional needs.

SPECIFICATIONS

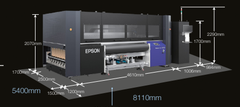
MODEL NUMBER	**ML-32000**	
PRINT		
Printing Technology	PrecisionCore Inkjet Technology	
Number of Printheads	32	
Number of Colours	8	
Maximum Resolution	1,200 x 1,200 dpi	
Gradation Process	Variable-Sized Droplet Technology	
Maximum Print Width	1,800 mm (71")	
Maximum Print Length	Unlimited	
Maximum Fabric Width	1,800 mm (71")	
Maximum Fabric Thickness	10.0 mm	
PRINT SPEED		
Square*	Maximum Printing Speed (m^2/h)	697 (300 x 600 dpi, 1 Pass)
	Typical Printing Speed 1 (m^2/h)	423 (600 x 600 dpi, 2 Pass)
	Typical Printing Speed 2 (m^2/h)	305 (900 x 600 dpi, 3 Pass)
	Maximum Printing Speed (sq ft/hr)	7,502 (300 x 600 dpi, 1 Pass)
	Typical Printing Speed 1 (sq ft/hr)	4,553 (600 x 600 dpi, 2 Pass)
	Typical Printing Speed 2 (sq ft/hr)	3,283 (900 x 600 dpi, 3 Pass)
Linear*	Maximum Printing Speed (lmt/h)	465 (300 x 600 dpi, 1 Pass)
	Typical Printing Speed 1 (lmt/h)	282 (600 x 600 dpi, 2 Pass)
	Typical Printing Speed 2 (lmt/h)	203 (900 x 600 dpi, 3 Pass)
	Maximum Printing Speed (li ft/hr)	1,524 (300 x 600 dpi, 1 Pass)
	Typical Printing Speed 1 (li ft/hr)	925 (600 x 600 dpi, 2 Pass)
	Typical Printing Speed 2 (li ft/hr)	667 (900 x 600 dpi, 3 Pass)
FABRIC HANDLING		
Fabric Drive	Conveyor Belt with Adhesive	
Belt Washing	Automatic	
DIMENSIONS		
Printer (W x D x H)	4,610 x 2,500 x 2,070 mm / 181 x 98 x 81 inch	
Control Box (W x D x H)	660 x 1,500 x 2,290 mm / 26 x 59 x 90 inch	
WEIGHT		
Printer	Approx. 3,900 kg (8,598 lb)	
Control Box	Approx. 400 kg (882 lb)	
Ink Rack	Approx. 240 kg (529 lb) (excluding ink)	
ENVIRONMENT CHARACTERISTICS		
Temperature (ºC)	Operating: 20 ºC – 30 ºC (68 ºF – 86 ºF)	
	Recommended: 22 ºC – 28 ºC (72 ºF – 82 ºF)	
Humidity	Operating: 40 – 60% RH (no condensation)	
ELECTRICAL SPECIFICATION		
Voltage	Main Unit: 400V, 3 phase + Neutral + Earth	
Frequency	50/60 Hz	
Power Consumption	Operating: 20.7kVA	
CERTIFICATIONS		
Safety	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,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 Australia, New Zealand: 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 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	
Electromagnetic	Korean: KN11, KN61000-6-2	
NETWORK		
Transmission Speed	100 BASE-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.

PRINTER DIMENSIONS
Width: 4,610 mm
Height: 2,070 mm
Depth: 2,500 mm

CONTROL BOX DIMENSIONS
Width: 660 mm
Height: 2,290 mm
Depth: 1,500 mm

WORKING AREA DIMENSIONS
Width: 8,110 mm
Height: 2,290 mm
Depth: 5,400 mm



GENESTA INK

Acid
Black, Cyan, Magenta, Yellow, Grey, Red, Blue, Cobalt, Orange, Rubine, Fluorescent Pink, Fluorescent Flavine, ACROSS (Ink penetration liquid)

Reactive
Black, Cyan, Magenta, Yellow, Grey, Red, Blue, Orange, Crimson, ACROSS (Ink penetration liquid)

Disperse
Black, Cyan, Magenta, Yellow, Grey, Red, Blue, Orange, ACROSS (Ink penetration liquid)

Pigment
Black, Cyan, Magenta, Yellow, Grey, Red, Green, Orange

Ink Capacity
10 litres

©2022 Epson Singapore Pte Ltd. All Rights Reserved. Reproduction in part or in whole, without the written permission from Epson, is strictly prohibited.

EPSON and EXCEED YOUR VISION are registered trademarks of Seiko Epson Corporation.

All other product names and other company names used herein are for identification purposes only and are the trademarks or registered trademarks of their respective owners.

Epson disclaims any and all rights in those marks. Projected images shown herein are simulations. The actual product design and contents may vary. Specifications are subject to change without notice and may vary between countries. Please check with local Epson offices for more information.

Dealer's Stamp

Information correct at time of printing.
Printed December 2022

DIRECT-TO-FABRIC TEXTILE PRINTER
MONNA LISA ML-32000

EPSON
EXCEED YOUR VISION

EXCEPTIONAL VERSATILITY IN DIGITAL TEXTILE PRINTING.

Cutting-edge textile printing technology yields excellence in quality, accuracy and efficiency.

Designed with high-quality print and productivity in mind, Monna Lisa ML-32000 is businesses' answer to the industrial, high production textile printing. Together with Epson's Total Textile Solution, the versatile ML-32000 can adapt to a wide range of applications, making it ideal for direct-to-fabric printing and ensuring customer satisfaction. Equipped with 32 PrecisionCore Micro TFP printheads, the ML-32000 delivers the highest colour consistency and finest details with Epson's eco-friendly GENESTA inks.

IT'S IN THE DETAILS.

PRECISIONCORE PRINTHEAD

Superb Quality & Efficiency
Reaching a print speed of 697 square metres per hour, the ML-32000 delivers impeccable prints with superb efficiency for high production textile printing.

Uninterrupted Printing
Equipped with hot-swappable 10-litre high-capacity ink cartridges, operators can enjoy uninterrupted production with minimal downtime.

Extensive Software Compatibility
The ML-32000 supports Epson Edge Print Textile, a specially designed RIP software with an intuitive interface for the Monna Lisa series, along with other RIPs and textile CADs.

DIRECT-TO-FABRIC TEXTILE PRINTER
MONNA LISA ML-32000

Designed for excellent print quality at high efficiency, Monna Lisa ML-32000 encompasses the brand's industry-leading expertise in ink and printhead development, image processing, and pre- and post-fabric treatment. Equipped with 32 PrecisionCore Micro TFP printheads, the ML-32000 delivers robust prints at high speeds to support your business in meeting the needs of a highly competitive textile market.

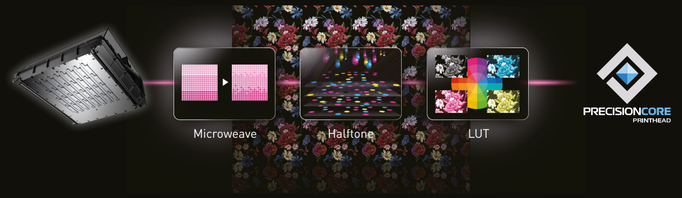
Superb Print Quality and Efficiency

Epson Precision Dot Technology For World-Renowned Image

Epson Precision Dot Technology, refined over many years of inkjet printer development, underlines the ML-32000's superior image quality. In addition, our exclusive Micro Weave, Multi-Layer Halftoning, and LUT technologies work together to reduce banding, graininess, and image quality degradation caused by dot placement errors.

Dynamic Alignment Stabiliser (DAS) Techonology For Uniform Dot Density

Boosting an effective print speed of 697 square metres per hour (300 x 600dpi, 1 pass), the ML-32000 is equipped with Dynamic Alignment Stabiliser technology, which ensures stable print quality by controlling waveforms on each printhead chip to achieve higher dot placement accuracy and more uniform dot density on each pass.



Accurate Belt Position Control (ABPC) Technology For High-Precision Fabric Feeding

High image quality requires precise fabric feeding. The ML-32000 achieves this with new Accurate Belt Position Control (ABPC) technology that automatically detects belt feeding distance to ensure highly accurate fabric feeding.

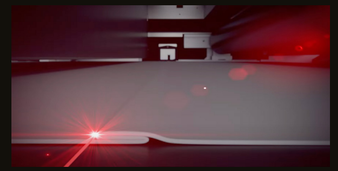
Symmetrical Colour Alignment For High Bidirectional Printing Quality

Symmetrical colour alignment maintains consistent colour overlap order during high-speed bidirectional low-pass printing for uniform image quality.

Stable and Reliable Operation

Dual Sensor System To Prevent Costly Head Strikes

Dual head-strike sensors detect any folds or wrinkles that may cause the fabric to come into direct contact with the printheads. If folds or wrinkles are detected, the sensors immediately stop the carriage to avert a potential head strike.



High-Accuracy Head Alignment Technology For Highly Accurate Dot Placement

High-precision positioning pins and holes on the printhead and carriage enable accurate dot placement for high print quality.

High-Capacity Ink Supply For Uninterrupted Production

Large capacity vacuum-packed degassed ink cartridges can be loaded for each colour, and you don't need to worry about running out of ink halfway through a job because empty cartridges can be replaced while printing is in progress.

32
PrecisionCore Micro TFP printheads

697 m^2/h
Max. printing speed
[300 x 600dpi, 1 pass]

User-friendly Ink Management with GENESTA Inks

Environmentally-Conscious Printing

Epson GENESTA Inks are available in Acid, Reactive, Disperse, and Pigment formulations, and are ECO PASSPORT certified to meet globally recognised standards for environmentally-friendly textile printing. Our Acid ink is also bluesign® approved, and our Reactive and Pigment inks are GOTS approved by ECOCERT. The vacuum-packed degassed ink comes in hot-swappable 10-litre or 3-litre high-capacity ink cartridges that allow uninterrupted production with minimal downtime.

OEKO-TEX® CONFIDENCE IN TEXTILES ECO PASSPORT NEP 1609 Nissenken Textile chemicals, Tested and verified. www.oeko-tex.com/ecopassport

bluesign® SYSTEM PARTNER

Flexibility With 8+8 Colour Channel Configurations

The ML-32000 offers a choice of colour channel configurations to suit your production needs. The 8+8 colour configuration can be loaded with two different types of ink simultaneously (e.g., Acid +Reactive) to increase the fabric types that can be printed, and is of particular value when working with limited space or a tight budget.

Epson Edge Print Textile (RIP software)

Epson's original RIP software, Epson Edge Print Textile, has an intuitive interface for an easy 3-step left-to-right operation, as well as step and repeat, hot folders, colour replacement for matching spot colours, and other convenient features. The optional ColorBlend pre-processing software also lets you create colour variations (Colorways), control ink penetration, generate ICC profiles and perform other pre-processing tasks.

Epson Edge Print Textile RIP software

ColorBlend software

Epson Digital Total Textile Solution

The fully integrated system for industrial digital printing on textiles, Epson's Total Solution delivers the best printing results with maximum productivity on your ML-32000.

With all components belonging to the same process, the best printing result is guaranteed with utmost customer satisfaction.