

Epson Monna Lisa Evo Tre 8



Monna Lisa Evo Tre is an industrial digital textile printer based on Total Solution, the fully integrated system where all components belong to the same process to guarantee the best printing results and the utmost customer satisfaction. This is the result of the synergy of Epson inkjet printing technology with engineering by F.Ili Robustelli and pre/post-treatment and inks by For.Tex, both companies now part of the Epson Group.

Excellence and productivity in digital textile printing

The high quality and productivity of Monna Lisa Evo Tre derives from Epson's advanced PrecisionCore 4-chip print heads. Symmetric head ensure consistent bi-directional printing, improving both print quality and productivity. Optimized Variable-sized Droplet technology guarantees extreme accuracy in reproducing nuances and very detailed or geometric patterns, as well as the best quality/speed ratio. Productivity is further increased by easy maintenance and minimized downtime.

Flexibility to meet any printing need

Epson's inkjet printing technology is characterized by the flexibility to print on a wide range of media. This is also true for Direct-to-Fabric printing. With the Monna Lisa Evo Tre you have a single printer that meets a variety of different production needs and applications, as it can print on any type of fabric by installing the corresponding ink types. Flexibility also means a full range of configurations by number of print heads (8 in this case, upgradable to 16 heads at the factory) and printing widths (up to 220 cm).

Easy ink management

Genesta is the family of inks specifically designed for the Monna Lisa Evo Tre series. It is available in four different types according to fabric or application: Acid, Reactive, Disperse and Pigment. The exclusive vacuum-packed degassed ink management system is designed to obtain the maximum efficiency while minimizing ink waste. Colour ink racks are available in different capacities (3 L as standard, 10 L optional).

Epson Edge Print Textile

Quality, productivity and versatility is further enhanced by software specifically designed to get the most out of your Monna Lisa Evo Tre. The freedom to use other RIPs or textile CADs is one of the printer's main flexibility features.

Datasheet



Key features

High quality and productivity

Configuration with 8 PrecisionCore Micro TFP print heads, upgradable to 16 heads at the factory

Maximum printing speed

234 sqm/h (156 Lmt/h) (300x600 dpi, 1 pass)

Ink management

Acid, Reactive, Disperse and Pigment inks in different capacities (3 L as standard, 10 L optional)

Extensive software compatibility

Epson Edge Print Textile for Monna Lisa Evo Tre and the flexibility to use other RIPs or textile CADs



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TECHNICAL SPECIFICATIONS

TECHNOLOGY

Textile inkjet printing with VSDT Micro Piezo 4 chips per head
PrecisionCore head technology

PRINTING

Number of print heads	8, upgradable to 16 heads at the factory
Compatible inks	Epson Genesta inks Acid - Reactive - Disperse - Pigment
Ink system	Closed system with degassed ink bag sizes 3 L as standard or 10 L optional
Print resolution	Range from 300 dpi to 1200 dpi horizontal resolution at 600 dpi or 1200 dpi vertical resolution (1-8 passes)

BELT

Printing width (cm)	180 - 220*	* Based upon customer's needs
Max printing length	Unlimited	
Fabric drive	Endless belt	
Adhesive type	Permanent	
Belt Washing	Automatic	
Fabric thickness	Up to 10 mm (max height of print heads 12 mm)	

ENVIRONMENTAL CONDITIONS

Operating temperature	Temperature: 20°C to 30°C (68°F to 86°F)
Humidity	From 35% to 80% RH (no condensation)
Recommended printing environment	Temperature: 22°C to 28°C (71.6°F to 82.4°F)
Recommended storage environment	Store the printer filled with ink.
Operating environment	Temperature: 0°C to 40°C (32°F to 104°F) 1 month, must not be any condensation Traditional place dust proof

SIZE & WEIGHT (180 CM 8 HEADS MODEL)

Device size	Printer: 4,610 (W) x 2,040 (D) x 2,070 (H) mm (181x80x81 in) Main electric box: 700 (W) x 1,800 (D) x 2,350 (H) mm (28x71x93 in) Optional 10 L ink rack: 1,240 (W) x 1,300 (D) x 1,220 (H) mm (49x51x48 in)
Equipment weight	Printer: approx. 3,700 kg (8,157 lb) Main electric box: approx. 570 kg (1,257 lb) Optional 10 L ink rack: approx. 380 kg (838 lb)

POWER

Voltage	400 V ± 10%, 3-phase + Neutral + Earth
Frequency	50-60 Hz
Power consumption	19.5 kW

COMPRESSED AIR

Compressed air supply	Min. 6 bar
Air supply quality	Standard ISO 8573.1 - Class 2, 4, 3
Air consumption	Max. 316 L/h

WATER

Water pressure	Min. 4 bar max 5 bar
Water flow rate	Max. 100 litres per hour

PRODUCTIVITY

Printing width	1,500 mm
Printing mode	Bidirectional
Dot size	Variable
Maximum printing speed	Up to 234 sqm/h (156 Lmt/h) (300x600 dpi, 1 pass)
Typical printing speed	125 sqm/h (83 Lmt/h) (600x600 dpi, 2 pass) 86 sqm/h (57 Lmt/h) (900x600 dpi, 3 pass)

Supplies

• Acid

Black, Cyan, Magenta, Yellow, Red, Blue, Orange, Cobalt, Grey, Rubine, Fluorescent Flavine, Fluorescent Pink, Across (Ink Penetration Liquid)

• Reactive

Black, Cyan, Magenta, Yellow, Red, Blue, Orange, Grey, Crimson, Across (Ink Penetration Liquid)

• Disperse

Black, Cyan, Magenta, Yellow, Red, Blue, Orange, Grey

• Pigment

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

Options

• Belt washing heater

Recommended for 16 heads upgrade

• Expansion beam 2" (standard) or 3"

• 2 types of pressure rollers

- With rubber coating
- In aluminium alloy

Both devices can have different weight according to the customer needs

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