# Epson Monna Lisa Evo Tre 16

**16 heads**

**Up to 1200x1200 dpi**

**Up to 404 sqm/h (300×600 dpi)**

**Up to 320 cm**

**Easy loading**

**Epson Edge Print Textile**

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.lli 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 (16 in this case) and printing widths (up to 320 cm).
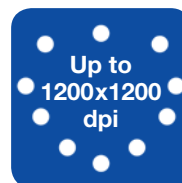
## Easy ink management

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 o 10 L).

## 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.

## Key features

**High quality and productivity**
Configuration with 16 PrecisionCore Micro TFP print heads

**Maximum printing speed**
404 sqm/h (270 Lmt/h) (300x600 dpi, 1 pass)

**Ink management**
Acid, Reactive, Disperse and Pigment inks in different capacities (3 or 10 L)

**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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# PRODUCT SPECIFICATIONS

## TECHNOLOGY

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

## PRINTING

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

## BELT

| | | |
|---|---|---|
| Max printing width (cm) | 180 - 220* - 320* | *Depending on the region |
| Max printing length | Unlimited | |
| Fabric drive | Endless belt | |
| Adhesive type | Permanent | |
| Belt Washing | Automatic | |
| Fabric thickness | Up to 10 mm | |

# PRODUCT SPECIFICATIONS

## ENVIRONMENT CONDITION

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

## SIZE & WEIGHT (180 CM 32 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) 10L 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) 10L Ink rack: approx. 380 kg (838 lb) |

## POWER

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|---|---|
| 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. 1,450 L/h |

## WATER

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

## PRODUCTIVITY SPECS

| | |
|---|---|
| Printing width | 1,500 mm |
| Printing mode | Bidirectional |
| Dot size | Variable |
| Maximum printing speed | Up to 404 sqm/h (270 Lmt/h) (300x600 dpi, 1 pass) |
| Typical printing speed | 221 sqm/h (600x600 dpi, 2 pass) 147 sqm/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

PRECISIONCORE

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