Reduce environmental impacts without compromising quality or productivity

Latest models in Epson's Monna Lisa series reduce environmental impacts without compromising quality or productivity

- ML-64000 and ML-32000 deliver high quality printing at exceptional speeds

Epson announced it had begun shipping the latest models in its series of Monna Lisa digital textile printers. Equipped with 64 and 32 PrecisionCore printheads, the ML-64000 and ML-32000 combine the best of Epson's world-class inkjet printing and manufacturing technologies to deliver high-quality printing at exceptional speeds to meet the needs of an increasingly competitive and dynamic textile market.

The textile market is now facing growing demands to reduce environmental impacts and improve work environments, and Epson is committed to leveraging its technologies to provide practical printing solutions that meet these needs. "The shift to digital printing and enhanced sustainability is gaining momentum worldwide," said Kazuomi Okuzono, general manager, Seiko Epson Corporation. "Thanks to the new ML-64000 and ML-32000, Epson will continue to contribute to improved sustainability in the textile industry without compromising on quality or productivity."

About the ML-64000

The ML-64000 reaches a print speed of 774 square metres per hour (600x600 dpi - 2 pass), with 64 PrecisionCore printheads, without compromising on printing quality. The stable operation and unprecedented usability of the ML-64000 are realised due to advanced cleaning mechanisms and automated adjustment functions. The fluff blower system removes fluff from the fabric surface before it enters the printing area, and the ink mist extraction system helps reduce nozzle clogging problems. In the event a nozzle does become clogged, Nozzle Verification Technology (NVT) detects missing dots and adjusts ink delivery to maintain image quality and reduce printing errors. With high-accuracy head alignment technology and automatic calibration by the built-in RGB camera, printhead replacement and calibration can be completed easily. In addition, the Epson Cloud Solution PORT reduces downtime and service calls by allowing quick responses to potential problems, and the operating status of all connected printers can be viewed from PCs or mobile devices, helping to maximize productivity.

Key points:

- **Printheads**: 64 Epson PrecisionCore Printheads
- **Productivity**: up to 774 m2/h (600x600 dpi; 2 pass)
- **Resolution**: up to 1200 dpi.
- **Width**: 180 cm
- **Ink types**: Genesta Acid, Reactive, Disperse and Pigment

- **Ink capacity**: 10 litres

About the ML-32000

With 32 PrecisionCore printheads, the ML-32000 reaches a typical print speed of 423 square metres per hour (600x600 dpi - 2 pass) and offers the most flexible solution with selectable channels configured to deliver the highest versatility. The 8+8 colour configuration (option) 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 within a limited space or a tight budget. The ML-32000 is available in 2.4-metre or 3.4-metre print widths.

Epson precision dot technologies reduce banding and graininess, and new stacked printing that randomises the halftone dot pattern to reduce image degradation caused by dot misalignment. Dynamic Alignment Stabiliser (DAS) technology also ensures stable print quality by controlling waveforms on printhead chip for higher dot placement accuracy and more uniform dot density on each pass. Monna Lisa also features symmetrical colour alignment for consistent colour overlap order during high-speed bidirectional printing, and new Accurate Belt Position Control (ABPC) technology for precise fabric feeding. The result is optimal quality and speed, with superb reproduction of colour gradations, fine details, and complex geometric patterns.

Key points:

- **Printheads**: 32 Epson PrecisionCore printheads
- **Productivity**: Typical print speed of 423 sqm/h (600x600 dpi - 2 pass)
- **Maximum print speed**: up to 697 sqm/h (300x600 dpi; 1 pass)
- **Resolution**: up to 1200 dpi.
- **Width**: 180/240/340 cm.
- **Ink types**: GENESTA Acid, Reactive, Disperse and Pigment.
- **Ink capacity**: 10 litres.

Epson GENESTA inks are available in Acid, Reactive, Disperse, and Pigment formulations in a degassed vacuum-pack. They are ECO PASSPORT certified to meet globally recognised standards for environmentally conscious textile printing. In addition, the Acid ink is bluesign® approved, and the Reactive and Pigment inks are GOTS approved by ECOCERT.

Monna Lisa is at the heart of a high-tech Total Solution – a complete and integrated system that provides maximum assistance throughout the production cycle. There is a single supplier for all components.

About Monna Lisa

Two leading companies of For.Tex and F.lli Robustelli in the “Digital Textile Valley” area of Como, had been chosen by Epson in the early 2000s as partners for the Monna Lisa project, and were later acquired 100% by Epson Italia, becoming a part of the Epson Group.

For.Tex has been for 30 years a trusted provider of dyes thickeners and specialty for printing, both in Italy and overseas, and contributed with the development of the Genesta inks, specifically designed for the Monna Lisa series. Operating since the 1950s, F.lli Robustelli has always designed and produced photogravure and textile printing machinery and systems and was responsible for the engineering of the Monna Lisa series on Epson print technology.

About Epson

Epson is a global technology leader dedicated to co-creating sustainability and enriching communities by leveraging its efficient, compact, and precision technologies and digital technologies to connect people, things, and information. The company is focused on solving societal issues through innovations in home and office printing, commercial and industrial printing, manufacturing, visual and lifestyle. Epson will become carbon negative and eliminate the use of exhaustible underground resources such as oil and metal by 2050.

Led by the Japan-based Seiko Epson Corporation, the worldwide Epson Group generates annual sales of around JPY 1 trillion. https://global.epson.com/

About Epson India

Epson India Pvt. Ltd. was incorporated in the year 2000. Epson products address the needs of homes, businesses and commercial enterprises as those of consumers with specialized needs in India. With a commitment to providing products and services that surpass people's expectations, Epson India today has an enviable reputation for quality and value. Headquartered in Bangalore, the company markets and supports Epson Inkjet Printers, Inkjet All-in-Ones, Point of Sale Printers, 3LCD Projectors, Scanners, Large Format Printers, Robots and Dot-Matrix Printers. In all of these categories, Epson is either the No. 1 or No. 2 brand in India and growing fast. https://www.epson.co.in/