

EARTH MAX

With a Production Capacity of up to 8700 sqm/day

A revolutionary digital textile printing solution that seamlessly blends cutting-edge technology with industrial precision. Seamlessly integrated with 32/48 advanced 6 PL Konica Minolta Print heads and a new design, it sets up a new benchmark for clarity and precision in eco-friendly digital textile printing. The Earth 32i's polymerization process at 160 degrees after printing ensures excellent colour fastness, and enduring print quality.



FEATURES



EFFICIENT INK SUPPLY SYSTEM:
Sufficient ink supply to prevent ink starvation while printing at high-speed



HEAD CRASH PROTECTIVE SYSTEM:
To help protect the head from any obstruction during carriage movement



LINEAR MOTOR:
For precise ink jetting at high speeds & smooth carriage movement



MICRON PRECISION ENCODER
It helps increase accuracy in aligning carriage and belt movement.



MODULAR FEEDING SYSTEM:
To incorporate large size rolls for continuous printing



ON DEMAND CAPPING & WIPING SYSTEM USING HMI SCREEN:
To keep inks from drying in the print head & remove debris



5 STAGES WATER EFFICIENT FABRIC HANDLING TREATMENT:
For easy belt wash & Jet cleaning, with no blockage due to lint or dust



CONTROLLED AIRFLOW WHILE PRINTING
Any kind of forced Airflow can result in uneven jetting or cross firing of water based inks



AIVC® TECH
Colorjet Waveform ensure that the jetting adapts to the viscosity of the inks



HIGHER MECHANICAL PRECISION
The Earth 32i/Earth Max achieves higher levels of mechanical precision compared to its predecessors



EFFICIENT TENSION CONTROLLER SYSTEM
The machine is equipped with a system of precise OsciPlus™ precise rollers



CONTINUOUS INK CIRCULATION SYSTEM
Provides constant & uniform temperature across the print head



DRYER UNIT
The dryer unit, offers customizable temperature control

THE EARTH SERIES: A FUSION OF SUSTAINABILITY & PERFORMANCE

- **Maximizing Performance with Turbocharged Nozzle Pumping** - Attain larger drop sizes and increased depth while maintaining optimal speed. Turbocharged design ensures efficiency for superior performance without compromising productivity.
- **Superfine Nano Nozzles** - Enhanced sharpness through superfine drop size using Nano nozzles. Achieve precise details and vibrant colors, optimizing print quality for intricate designs and high-resolution images, ensuring exceptional results.
- **Variable Drop Printing Option** - Multidrop to Variable drop printing option help in achieving more accurate color tones along with smoother colour Gradience.
- **Enhanced Fabric Feeding Efficiency** - New rollers ensure wrinkle-free feeding with proper fabric tension. Three adjustable gear mechanisms control tension across spreader, banana, and tensioner rollers. Option for Osci™ precise spiral spreader rotator for hosiery printing.
- **Optimized And Enhanced Safety Standards** - A safety rope sensor and emergency staff switch have been added for enhanced safety during operations, along with four emergency switches. Eye bolts allow for easy machine lifting via hoist.

SPECIFICATIONS

Model			EB8329	EB8489
Printing Technology			Drop-on-demand, Piezo Electric Inkjet	
No. of Print Heads			32 (6PL)	48 (6PL)
Print Heads	Type	Industrial Grade Jetting Assemblies		
	Resolution	Up to 1440 DPI		
	Height Adjustment	up to 30mm		
	Cleaning Method	Pressure Purge and Wiping		
	Wetting Control	Piezoelectric Actuators		
Inks	Types	Earth Pigment		
	No. of colors	8		
	Supply	10 Ltr, Bulk Ink Supply System with inline degassing & low ink alarm		
Fabric	Types	Cotton, Viscose, Polyester, Polyamide, Silk, Wool		
	Max. Thickness	Up to 10mm		
	Max. Printing Width	Up to 1800mm		
	Roll Diameter	400mm		
Fabric Drying System			Infrared Heaters	
Operating Interface			Touch Screen	
Printing Interface			USB 3.1	
RIP Software Supported			NeoStampa (ColorJet Editions)	
File Format			JPEG, TIFF, BMP/PDF (RGB, CMYK)	
Power Supply			220 V, 104 A Single/Three phase load distribution, 50Hz	
Operating Conditions			Temperature: 20 to 28°C, Humidity: 55 to 75% RH (non-condensing)	
Printer Dimension / Net Weight			2342x5020x1975mm (LxWxH) / 3500kg Approx.	
Dryer Dimension / Net Weight			2355x2612x1125mm (LxWxH) / 850kg Approx.	
Feeder Dimension / Net Weight			1010x2468x1221mm (LxWxH) / 575kg Approx.	
Modes	Print DPI	Passes	Speed (In Sq. Meter/Hrs)	Speed (In Sq. Meter/Hrs)
Mode 1	360x720	2	324	435
Mode 2	360x1080	3	212	292
Mode 3	360x1440	4	156	215
Mode 4	540x720	2	226	-
Mode 5	540x1080	3	147	-
Mode 6	540x1440	4	110	-

Specially Designed & Engineered
to deliver Exceptional Design Advantage

Precision with Power.

EARTH MAX

