COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD
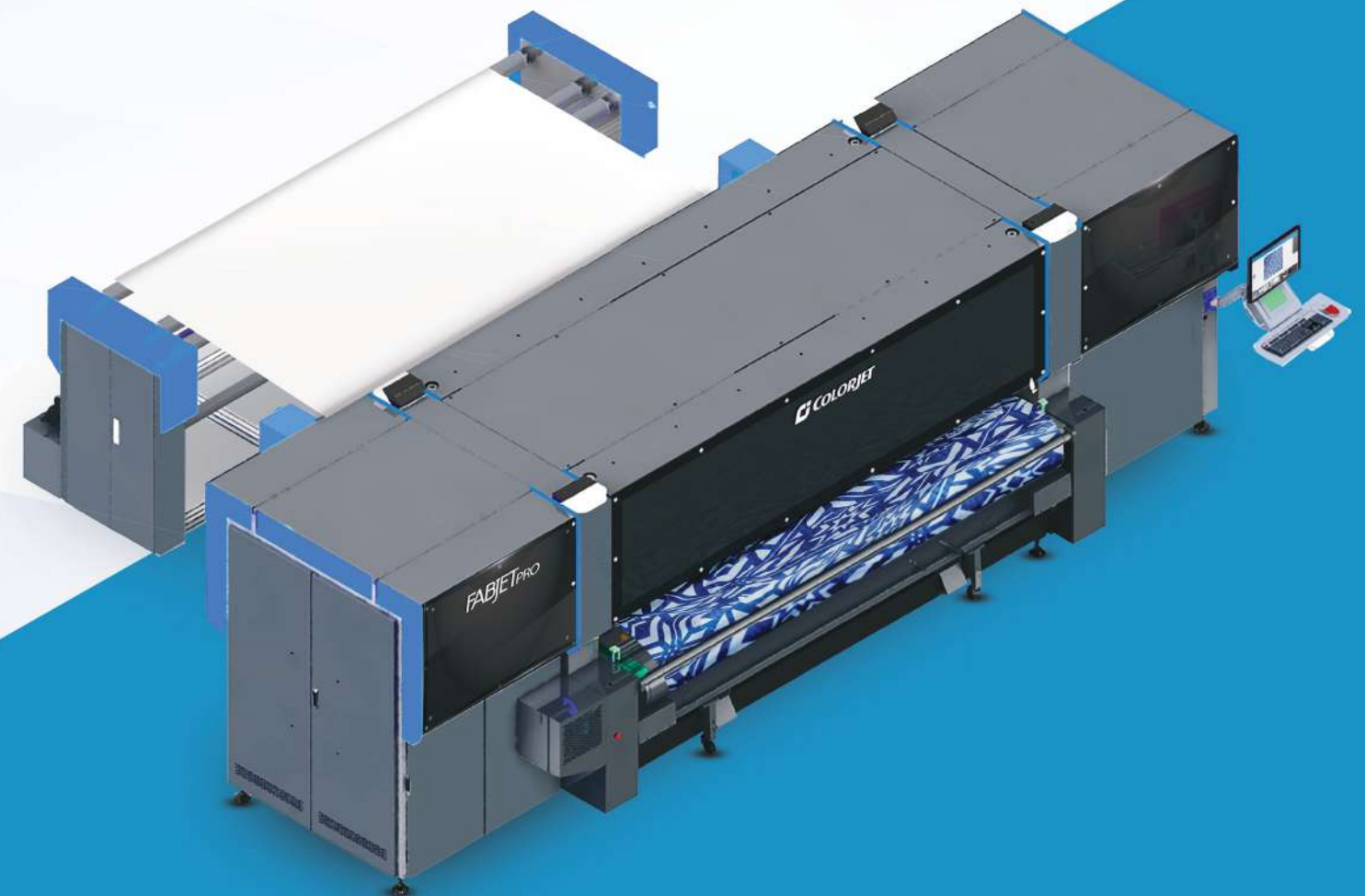

Setting
New Benchmarks
in Digital Textile
Printing

FABJET PRO

SPECIFICATIONS

FabJet Pro B32			
Model	**PB8326**	**PB8489**	**PB8329**
Printing Technology	Drop-on-demand, Piezoelectric Inkjet		
No. of Print Heads	32 KY	48 KM	32 KM
Print Heads — Type	Industrial Grade Jetting Assemblies		
Resolution	Upto 2400 DPI	Up to 1440 DPI	Up to 1440 DPI
Height Adjustment	Up to 30mm		
Cleaning Method	Pressure Purge and Wiping		
Wetting Control	Piezoelectric Actuations		
Inks — Types	Reactive	Pigment/Reactive/Disperse	Pigment/Reactive/Disperse
No. of colors	8		
Supply	10 Ltr, Bulk Ink Supply System with inline degassing		
Fabric — Types	Cotton, Viscose, Silk, Wool	Cotton, Viscose, Polyester, Polyamide, Silk, Wool	Cotton, Viscose, Polyester, Polyamide, Silk, Wool
Max. Printing Width	Up to 3200mm		
Roll Diameter	400mm		
Fabric Drying System	Electric 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	9.5 kW / 3 Φ - 15 A		
Operating Conditions	Temperature: 18 to 28°C, Humidity: 60±5% RH (non-condensing)		
Printer Dimension / Net Weight	2835x6572x2041mm (LxWxH) / 6500 Kg approx.		
Feeder Dimension / Net Weight	1200x3907x1398mm (LxWxH) / 950 Kg approx.		

Speed In Sqm/hr)	Print DPI	Passes	PB8326	Print DPI	PB8489	Print DPI	PB8329
Mode 1	508x1200	2	654	360x720	649	360x720	434
Mode 2	508x1800	3	446	360x1080	435	360x1080	292
Mode 3	508x2400	4	318	360x1440	312	360x1440	208

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INTRODUCTION

Introducing the FabJet Pro, our latest leap in digital textile printing innovation. With a remarkable production capacity of up to 13,000 square meters per day, the FabJet Pro redefines speed, quality, and efficiency in the industry. Designed for ultra-wide format direct-to-fabric printing up to 3.2 meters.

Equipped with 32 Kyocera and 48 Konica Minolta Print Heads with a sticky belt system, the FabJet Pro ensures unparalleled precision and clarity in every print. This state-of-the-art machine is engineered to meet the highest demands of productivity while maintaining exceptional quality, making it the perfect choice for forward-thinking textile manufacturers seeking to elevate their production capabilities.

ADVANCE TECHNOLOGY

Sync Optima Enabled

SyncOptima is a groundbreaking digital textile printing technology that sets the standard for precision and efficiency. This advanced system optimizes carriage and belt movement to ensure flawless synchronization across our printing ecosystem. The result is consistently high-quality prints delivered at impressive speeds, meeting the highest industry standards for performance and reliability.

Variable Drop Printing

Variable drop printing option helps in achieving more accurate colour tones along with smoother colour gradience.
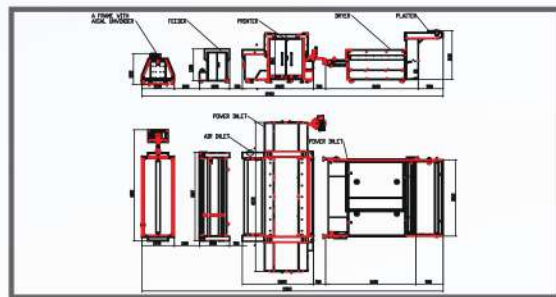
Variable Drops   Normal Drops

Optimized Fabric Feeding Process

Our upgraded roller system ensures wrinkle-free fabric feeding with consistent tension across the entire width.

Improved 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.

Eye Bolt

Turbocharged Nozzle Pumping

The turbocharged design ensures efficiency, enabling superior performance without sacrificing productivity. Helps to Achieve greater depth and larger drop size while maintaining optimal speed.

New ergonomic designs for ease of use and maintenance:

The FabJet Pro boasts a new ergonomic cabinet design, maximizing access to critical components for easy maintenance and cleaning.

ADDITIONAL FEATURES

Efficient Ink Supply System

A complete system enabling the smooth running of the ink and providing high printing stability in high industrial production. Peristaltic pumps help keep the ink supply at a constant level. Negative pressure is detected and adjusted continuously to prevent unwanted ink dropping and spilling of the print head. Efficient Ink degassing system to remove air bubbles in ink tubes to avoid ink starvation assuring the highest print quality.

Controlled Airflow while Printing

Any kind of forced Airflow can result in uneven jetting or cross-firing of water-based inks which can ultimately effect the drop placement.

AIVC® Tech

ColorJet Waveform ensures that the jetting adapts to the viscosity of the inks irrespective of the temperature of the inks.

Capping and Wiping System

Automatic Capping system prevents inks from drying within the print head when the printer is not in use & On-demand wiping system effectively removes ink, dust & debris from the print head.

Micron Precision Encoder

It helps increase accuracy in aligning carriage and belt movement.

Efficient Tension Controller System

The machine features OsciPlus™ precise rollers for optimal tension control and seamless fabric feeding, regardless of GSM, weave, crimp, elasticity, or skewness. The tension roller effectively balances uneven tension, ensuring smooth and consistent media movement.

Modular Feeding System

A modular feeding system to incorporate large-size rolls for continuous printing.

FABJETPRO

3200 MM STICKY BELT
High-Speed Print Engine
KM & KY Heads
Option