Kornit
Presto MAX PLUS

Built to Perform

Industrial Digital Printing, Engineered for Performance



Kornit Digital



Presto MAX PLUS, powered by MAX Technology, is Kornit's most advanced on-demand roll-to-roll digital printing solution, delivering high-performance production capabilities:

Single-Step Production

Simplify production with a fully digital single-step process requiring minimal setup time, no MOQ, and no pre- or post-treatment, helping reduce waste, water, and energy use compared with conventional printing processes, supported by bluesign®, GOTS, and ECO PASSPORT certifications.

Design Freedom & Applications

Expand design possibilities with an extended color gamut including neon inks, enabling smooth gradients, vibrant multi-color designs, and white prints on colored fabrics, while unlocking new applications with advanced 2D and XDi 3D effects for premium footwear and performance-driven textiles.

Performance Durability & Media Flexibility

Achieve exceptional durability with Kornit's proprietary DuraTech™ enhancer, delivering high abrasion and flex resistance while supporting complex and pre-knitted materials, expanding digital production across Footwear, Fashion, Home Décor, and performance-driven applications.

Consistency & Precision

Maintain consistent industrial production with QualiSet autonomous calibration, ensuring reliable output and repeatable color performance across jobs and systems, while Precise Overprint enables accurate placement on complex materials with real-time fabric compensation without manual intervention.

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Enhanced Colors, Infinite Possibilities



White not? White prints on colored fabrics

- The longest-proven roll-to-roll digital solution for printing white on colored fabrics, delivering proven performance and application versatility
- Expand design creativity and flexibility with white spot and base printing across a wide range of products
- Reduce white ink usage without compromising quality, and restock dyed fabrics to optimize cost efficiency and business operations



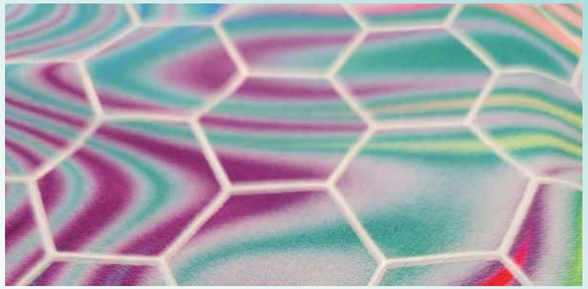
Feels right - Kornit DuoSoft Solution

- Achieve premium print quality with a soft, natural hand-feel that meets the highest standards
- Simplify production with a two-in-one process that eliminates the need for a separate fixation agent
- Ensure vivid colors and consistent results across every design with a dual-channel symmetric system



Shine bright with vivid neon color designs

- Extend your color gamut with neon inks to achieve vibrant colors and eye-catching multi-color designs
- Expand into new applications across footwear, technical textiles, sportswear and swimwear
- Achieve wider Pantone coverage to meet brand color requirements and deliver high-impact products



Breaking the dimensional barrier with Kornit XDi Technology

- Create premium 2D & 3D decorative applications, including threadless embroidery, high-density designs, vinyl, and screen transfer effects
- Elevate your offerings with creative and functional applications, expanding design possibilities for premium footwear uppers and performance-driven textile products
- Unlock new revenue streams, boost profit margins, and position yourself as a market leader with premium applications

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A New Level of Durability, Performance & Precision

Kornit
Precise Overprint

Precise Overprint - Advanced Placement Accuracy

- Ensure precise image placement on footwear uppers, pre-knitted, shaped, and technically challenging materials with patent-pending vision-based technology using cameras, lenses, and LED lighting

- Enable real-time fabric compensation, dynamically correcting stretch and distortion in knitted and skewed materials to maintain consistent results without manual intervention

DuraTech - Performance-Grade Digital Durability

- Achieve footwear-grade and technical textile durability with the new DuraTech polymer-based enhancer, engineered for high abrasion, flex, and wear fastness - meeting industry standards, including Bally Flex and Martindale

- Expand beyond footwear and technical textiles into fashion, home decor, and other performance-driven markets with broad media compatibility across complex and pre-knitted materials





QualiSet
Smart Autonomous Calibration

Kornit QualiSet: Smart Autonomous Calibration

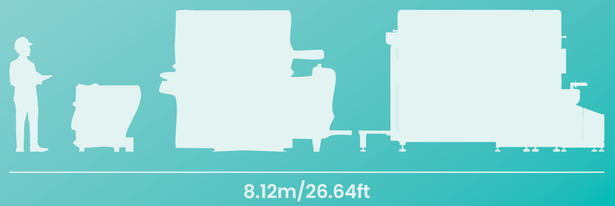
- Kornit's QualiSet machine vision technology makes sure your system is calibrated in key functional areas to guarantee quality and consistency
- Consistently meet top quality standards across orders, jobs, machines, and sites at all times
- A simple, effective process that delivers accurate results in short cycle times with minimal interruptions

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Smart, Efficient & Safe Production

- A single-step patented solution
- Minimal setup and training
- Advanced media handling ensures stable transport and consistent print quality on complex and pre-knitted fabrics
- Smart automation allows continuous high-speed production
- Optimized resource use
- TÜV-certified safety cover protects operators and complies with industrial safety standards

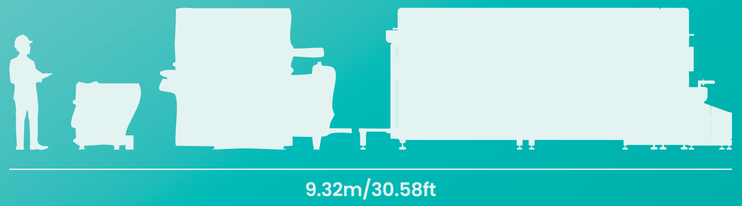
Smallest Footprint



Presto
MAX PLUS

8.12m/26.64ft

Loader › Printer › Dryer › Unloader



9.32m/30.58ft

Traditional textile printing



Color kitchen | Screen preparation | Print | Dry | Steam | Wash | Dry

Other digital textile printing (non pigment)



Pre-treatment | Dry | Print | Dry | Steam | Wash | Dry

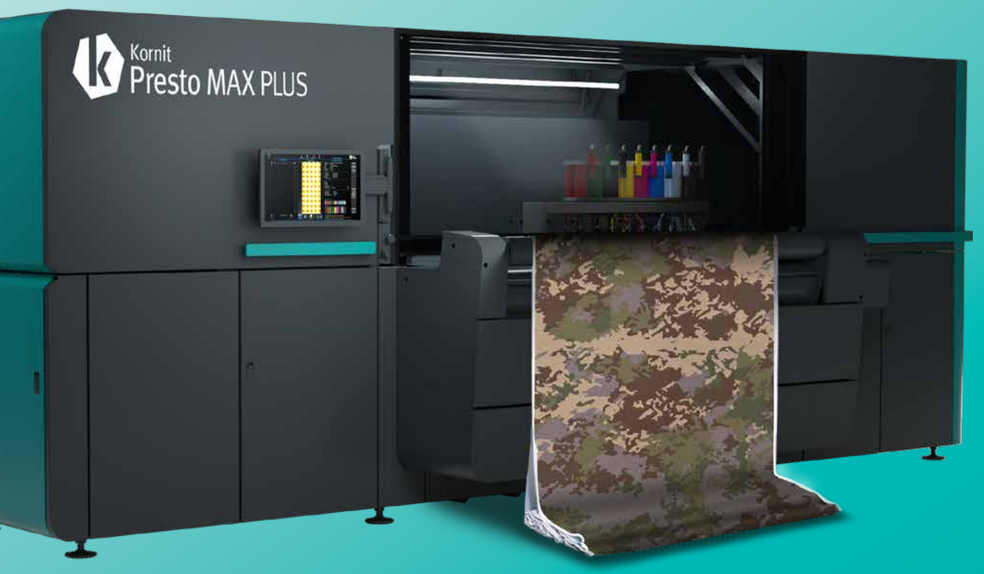
Kornit Presto MAX PLUS



Printing + Softening + Drying

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Main Advantages

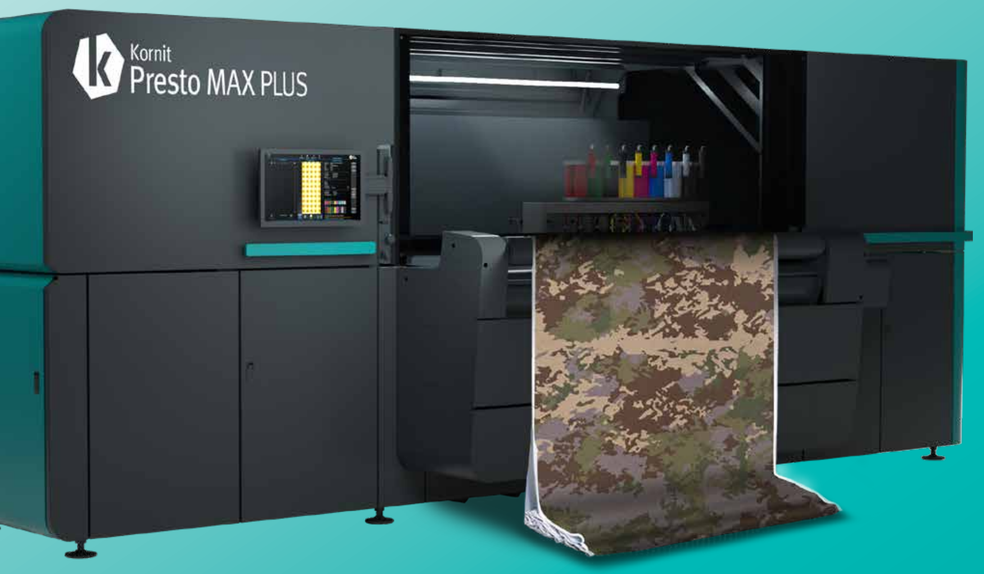


- Powered by advanced MAX Technology
- Kornit XDi Technology
- Patented single-step solution
- White prints on colored fabrics
- Neon color designs
- Superior hand-feel and drape results with Kornit DuoSoft
- Enhanced durability for high abrasion, flex and wear fastness, powered by DuraTech
- Pixel-accurate placement & cropping with RIP-on-the-fly integration, powered by Precise Overprint
- Prints on a wide variety of fabrics: TPU, polyamide, leather & more
- Production data insights via Kornit Konnect for enhanced monitoring & business management
- QualiSet Autonomous Calibration for consistent print quality
- ECO PASSPORT, GOTS* and bluesign® certified for NeoPigment™ Robusto ink
- Configurable printing modes for optimal print quality

* Neon consumables are not supported

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Additional Features



- Automatic maintenance ensuring exceptional performance with extended uptime
- Advanced belt washing system with closed-loop recycling to increase adhesive life span
- Automatic ink consumption calculation
- Continuous advanced ink circulation for print heads preservation
- Ink reservoir supporting continuous printing without iterations
- Adjustable press roll pressure allowing to modify stickiness
- Sensor for automatic fabric width detection
- Print carriage and capping station
- API support for system workflow connectivity
- Print head crash protective system and wrinkle detector
- Glue application and removal jigs for easy operation
- Faster drying with optimized energy use

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Technical Specs

Printing Width	Up to 180 cm / 70.8 in
Available Ink Channels	CMYKRG, White, Neon Pink, Neon Yellow, DuraTech
Functional Fluids Options	FOF or DuoSoft
Weight	4500kg / 9920.1lb
Power Requirements	110/230V, 60/50 Hz, 32A, 3Ph+N+GND
Media Transportation	High-Precision Adhesive Belt Conveyor System
Max Media Thickness	10 mm / 0.40 in
Max Roll Width	180 cm / 70.8 in
Max Roll Outer Diameter	40 cm / 15.74 in
Max Roll Weight	80 kg / 176.37 lb
Recommended Temperature	23°C-30°C / 73.4°F-86°F
Relative Humidity	45%-75%
Compressed Air	6-8 bar/ ≤ 0.4 m3/min
Dryer	MCS - Modular Curing System
A Frame Jumbo Roll Support	Max. roll diameter: 160 cm, Max. roll weight: 1500 kg
Maximum Precise Overprint Speed	75m²/h
Recommended RIP	Inedit

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Print Mode	**Resolution**	**System Mode**	**m² / hr**	**yd² / hr**	**m² / hr**	**yd² / hr**
Saturated	1000X800	Quality	59	71	114	136
		Production	106	127	211	252
Standard	600X800	Quality	92	110	181	216
		Production	139	166	278	332
Fast	800X400	Quality	140	167	269	321
		Production	244	292	474	567

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Kornit Ecosystem

Cover your bases



1

Ink and Consumables:

Kornit water-based NeoPigment™ ink sets enable high-performance digital printing, with pigment inks produced in-house and specifically designed for Kornit systems and print technologies.

2

Environmental Impact:

Kornit inks and consumables are supported by recognized certifications and compliance standards, including bluesign® System Partner, GOTS, and ECO PASSPORT.

3

Training and Support:

Multilingual services including global support, customer empowerment plans, upgrades, beginner-to-advanced training, maintenance, and more.

4

Unique Applications:

Innovative applications, such as 2D and XDi 3D premium effects, neon colors and white prints on dark fabrics

5

Global Fulfillment Network:

Connects the world's leading brands to a managed network of fulfillers based on proximity to end customers and stores.

6

Data & Workflow:

Kornit's advanced workflow ecosystem delivers end-to-end visibility and control through data, analytics, and automation, enabling informed decision-making and continuous operational optimization at scale.

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