Kornit
Atlas MAX PLUS

Innovation Meets Smart DTG Production



Faster production. Enhanced quality.
Optimized cost of ownership.
Featuring the latest developments for on-demand, direct-to-garment production.

Kornit Digital

Designed specifically for industrial production and featuring Kornit's MAX Technology:

Consistent High Quality

Reach excellent, consistent results on-demand as required by leading brands, while supporting a large variety of garment types

Be a Trendsetter

Gain a competitive advantage and offer a wider set of improved capabilities, including Kornit XDi 3D decorations

Simple & Robust

Streamline your process with a robust industrial system and tailored Smart Curing solutions

Maximize Efficiency, Minimize Costs

Boost your productivity and reduce the total cost of ownership



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What the market says

“Textile manufacturers can create new supply chain models based around vertical integration, nearshoring, and small-batch production, enabled by enhanced digitization.”

The State of Fashion 2023
McKinsey & Company

“We move into a new era of digital textile production and the technologies that enable change.”

Texintel

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Supporting the latest developments

Rapid Size Shifter

Rapid Size Shifter: Your Swiss Army Knife for Multiple Applications On-Demand!

- Eliminate pallet replacement while maintaining throughput
- Quick, easy & lightweight operation, adjusting sizes in mere seconds
- Production flexibility, pallet replacement is no longer a factor in production planning
- Immediate enablement for new products and applications to scale and grow your business
- Embedded neck tag application, to streamline neck tag prints quickly and easily

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

Kornit XDi Technology

Breaking the dimensional barrier: Kornit XDi 3D decorative applications

- Be the first to offer digital 3D decorative applications that generate unique 3D effects such as: threadless embroidery, high-density, vinyl, screen transfer emulations and much more
- Break creative boundaries pushing the limits of design, dimension, and color
- Use Kornit XDi Digitizer to instantly transform 2D designs into ready-to-print 3D effects

Kornit Orion Powered by Tesoma
Kornit Titan Powered by Tesoma

Kornit Orion and Kornit Titan: Energy On-Demand

- Put all your production processes in perfect sync for the most efficient, reliable, seemless end-to-end production flow
- Kornit's Smart Curing is built to scale according to your business needs and future growth
- Reducing your operational costs while delivering consistent quality and durability for a wide range of garments and applications.The best fit for Kornit's production technology

Additional Capabilities

Kornit MAX DTFilm

Built for Agile and Creative Performance

Redefine what's possible and experience the best of both DTG and DTFilm technologies on the most robust and reliable DTG solution on the market

One Solution, Two Technologies
Complement your DTG printing and maximize production agility by easily switching between DTG and DTFilm, maintaining perfect color matching across both methods

Maximum Efficiency
Reduce labor costs and staffing needs through a simpler, shorter process with high-speed equipment producing 110-400 impressions per hour and a competitive TCO

Limitless Design Possibilities
Unlock new revenue streams and expand your offering with advanced design capabilities, including wider color gamut, semi-transparent designs, fine small details, and more

Optimized Resource Use
Enjoy a clean and eco-conscious process that meets environmental compliance and durability standards, delivering superior DTFilm quality and soft hand-feel

Application Diversity
Ideal for multi-placement jobs and catering to a wide range of applications, including sportswear, and accessories



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Main Features



- Powered by advanced MAX Technology
- Patented single-step solution
- NeoPigment™ Eco-Rapid ink set, Q.fix and Intensifier
- Enhanced print durability
- Kornit XDi Technology available per choice
- QualiSet smart autonomous calibration and system quality control
- DTFilm capabilities
- Rapid Size Shifter with multi-size pallets
- Production data insights via Kornit Konnect
- ECO PASSPORT, GOTS and bluesign® certified for NeoPigment™ Eco-Rapid ink
- Compatible with Kornit Smart Curing solutions

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Improve each part of the process

- Minimal setup and training
- Reduced staining on challenging fabrics
- Soft hand-feel even with ink-heavy impressions
- Advanced color-matching and a wide color gamut
- Continuous high-speed production

Technical Specs

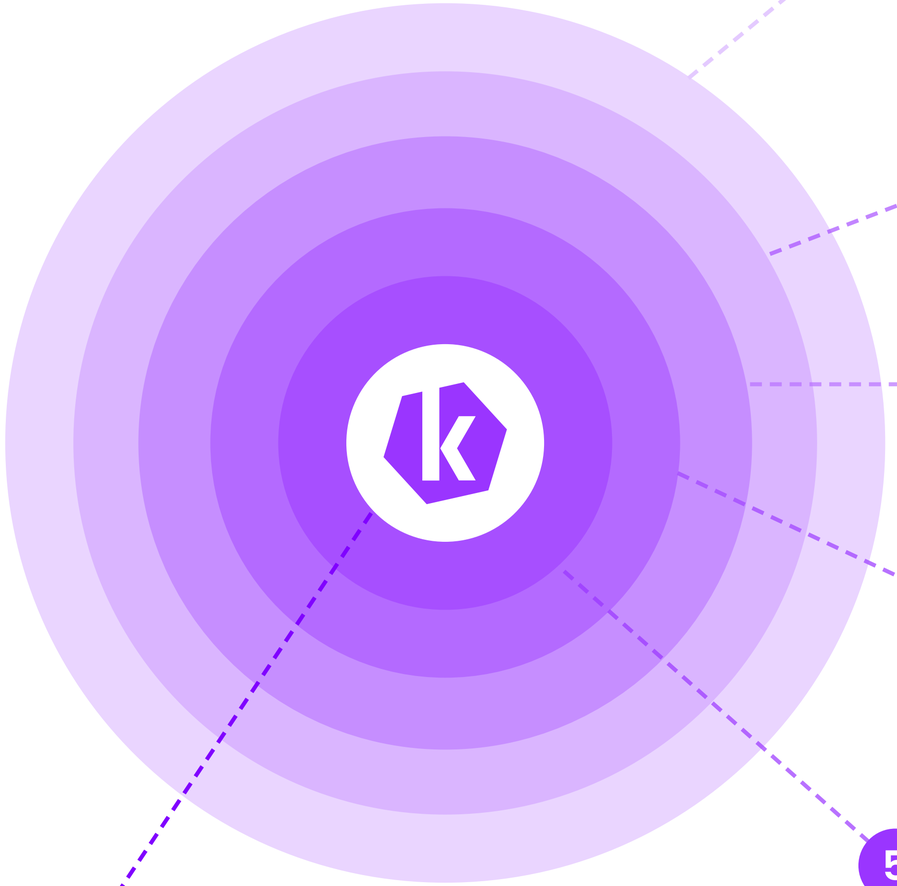
Production Output	150 impressions per hour*
Ink Channels	CMYKRG + W + Q.fix + Intensifier
Print Heads	Dimatix StarFire 1024 Twinflex
Max Print Area	60X90 cm / 23.6x35.4 in with Super Grand Pallet
Print Resolution	Up to 1,200 dpi
Ink Recirculation	Embedded
Ink Set	NeoPigment Eco-Rapid
Fixation	Eco-Fix
Enhancers	Intensifier and Q.fix
Humidity System	Integrated
Printable Substrates**	Cotton, Cotton-Blends (Polyester, Lycra, Viscose - up to 30% blend)
Additional Capabilities	XDi 3D decorations: threadless embroidery, high-density, vinyl, and screen transfer effects; DTFilm printing
Operating System	Windows 10
Dimensions	8.32 x 10.95 x 5.92 ft / 2.5 x 3.3 x 1.8 m
Max Weight	Approx. 2,200kg / 4,850lb
Power Consumption	1 kW
Compressed Air Pressure	6-8 bar (90-116 psi) regulated
Operating Conditions	Temperature: 18-30C / 64.4-86F, Humidity: 45-65%
Konnect	Supported
Rapid Size Shifter Compatible	Multiple garment sizes supported including neck tag using a single adjustable pallet and raisers
QualiSet	Smart autonomous calibration
Kornit Smart Curing	Supported

* For 13”X13” (33cm x 33cm) images in Standard print mode including 10 seconds handling time
** Most working on default setups; some may need custom setups; Some exceptions may arise due to fabric composition and specific garment requirements

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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 **Applications:**
Pallets for a wide range of garment types and sizes. New: Rapid Size Shifter compatible for multi applications using a single pallet, streamline production workflow and increase ease of use at the hands-on level.

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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