TAKING POLYESTER PRODUCTION TO THE BIG LEAGUE

The new quality standard for high-volume, on-demand, sustainable direct-to-garment polyester decoration

The Kornit Atlas MAX Poly removes technological barriers to transform on-demand, sustainable polyester decoration capabilities and functionalities, empowering you to:

✳ TACKLE ANY CHALLENGE

Unlock new color and design possibilities with consistent results, superior hand-feel, and durable impressions, while minimizing dye migration.

✳ WIN EVERY GAME

Make short runs profitable with high throughput, more automation, and a single-step production process.

✳ COVER ALL THE BASES

A wide range of applications and designs including photorealistic images, neon designs, and 3D effects, supporting broad polyester blends and types.

✳ PLAY THE LONG GAME

Expand your product line to create new business relationships and opportunities for profit, and remain agile to adapt when market dynamics shift.

WHAT THE MARKET SAYS

" 2020 was a breakout year for sportswear, with 42% positive economic profit contributions in the industry coming from sportswear companies and making it the largest contributor by far**"**

– The State of Fashion 2022, Business of Fashion and McKinsey & Co.

" The global sportswear market is projected to grow from $170.94 billion in 2021 to $267.61 billion in 2028... The rising popularity of the utilization of sports apparel as fitness wear contributes to the increasing consumption rate**"**

– Fortune Business Insights

Become a graphics all-star with bright neon color designs

- Enhance color gamut with a neon "wow effect" that injects neon colors where appropriate.
- Create the brightest and most vibrant impressions achievable via digital production.
- Boost your design capabilities without requiring that designers learn additional editing skills.

Raise your polyester production game with Kornit's XDi 3D premium applications

- Offer superior graphic effects, including simulated heat transfer vinyl, high-density production, threadless embroidery, and screen transfer effects, using ONE single-step system.
- Expand your customer base and create new revenue streams and higher profit margins through revolutionary premium products.
- Achieve perfect results with vinyl-like prints, ideally suited for customizing and personalizing uniforms and other team/fan apparel.
- Unleash unlimited creative freedom – any design complexity, dimension, and color.

Kornit QualiSet: Smart Autonomous Calibration

- Kornit's QualiSet machine vision technology ensures 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 and with minimal interruptions.

MAIN FEATURES

- - - - - Powered by advanced MAX technology
- - - - - Single-step solution
- - - - - Up to 90 impressions per hour with a single operator
- - - - - Olympia ink set with eco-fix fixation
- - - - - Q.fix to prevent ghosting
- - - - - Intensifier to enhance print durability
- - - - - Minimized dye migration with ProGuard
- - - - - Neon color designs
- - - - - Kornit's XDi technology available by choice
- - - - - Multi-size pallets
- - - - - Kornit^X workflow
- - - - - Production data insights via Kornit Konnect
- - - - - CO_2-neutral
- - - - - GOTS and OEKO TEX approved
- - - - - Supplement with Tesoma Compact 4 dryer

BRING YOUR "A" GAME

- Eliminate post-dryer cracking
- High-quality results on brushed polyester with Kornit's anti-fibrillation solution
- Soft hand-feel even with ink-heavy impressions
- Ensure reliability, durability, and performance with wash-and-wipe system
- Reduce total cost of ownership with maximized system uptime, simple maintenance, and the highest throughput available for on-demand polyester decoration

TECHNICAL SPECS

Technical Specifications	
Production Output	90
Ink Channels	4 colors + 2 Neon + White + PG + Qfix + PE
Print Heads	Dimatix StarFire 1024 Twinflex
Max Print Area	60X90 cm
Print Resolution	Up to 1,200 DPI
Ink Recirculation	Embedded
Ink Set	Olympia
Olympia Ink Containers	4L
Fixation	Neutrafix Pro
Enhancers	Poly Enhancer and Q.fix
Humidity System	Embedded
Printable Substrates	Polyester and polyester based blends
Additional Capabilities	Neon colors Brushed polyester XDi 3D decorations: threadless embroidery, high-density, vinyl, and screen transfer effects Pro-Guard to treat Dye migration
Operating System	Windows10
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	1.5 KWh
Compressed Air Pressure	4-6 bar
Operating Conditions	Temperature: 18C-30C / 64.40F-86F Humidity: 45%-65%
Wrinkle Detection System	Embedded
Recommended RIP	ColorGate
Recommended WF	Kornit[x] workflow
Konnect	Supported
QualiSet	Smart autonomous calibration embedded

KORNIT'S ECOSYSTEM

Cover your bases

Ink and Consumables: Paired with Kornit's Olympia™ ink set, Enhancer Pro, Q.fix Poly and ProGuard for an advanced and eco-friendly industrial production on multiple fabrics.

1

Sustainability: Meets the highest environmental standards. CO_2-neutral and GOTS and OEKO Passport approved.

2

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

3

Kornit^X Workflow: The end-to-end solution for on-demand sustainable fashion, with more than 150 integrations to fit your exact business needs.

4

5

Global Partners Network: World-class on-demand manufacturers and suppliers that deliver the highest quality products with unlimited capacity at any scale and any location.