

# Polyester Printing and Beyond

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:

## Unmatched Quality

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

## Endless Designs, One Solution

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

## Efficient. Profitable. Versatile

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

## Flexibility for Growth

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





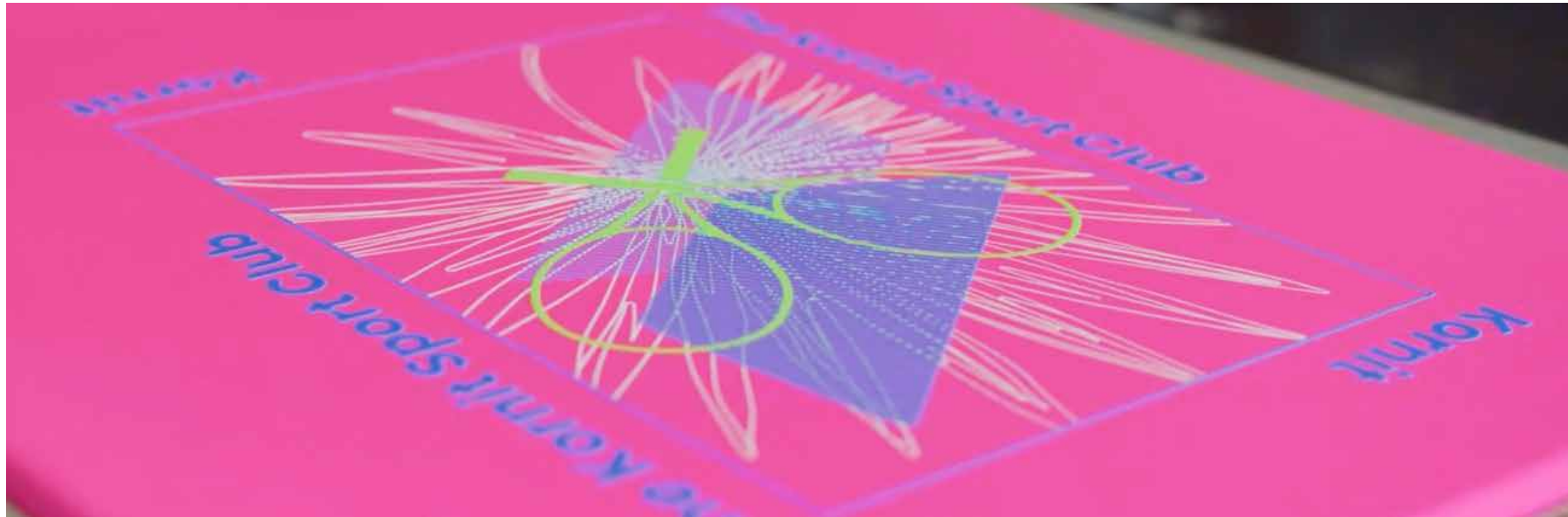
## What the market says

**“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.

# Main Features



- Powered by advanced patented 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
- KornitX workflow
- Production data insights via Kornit Konnect
- CO2-neutral
- GOTS and OEKO TEX approved

# Bring Your "A" Game

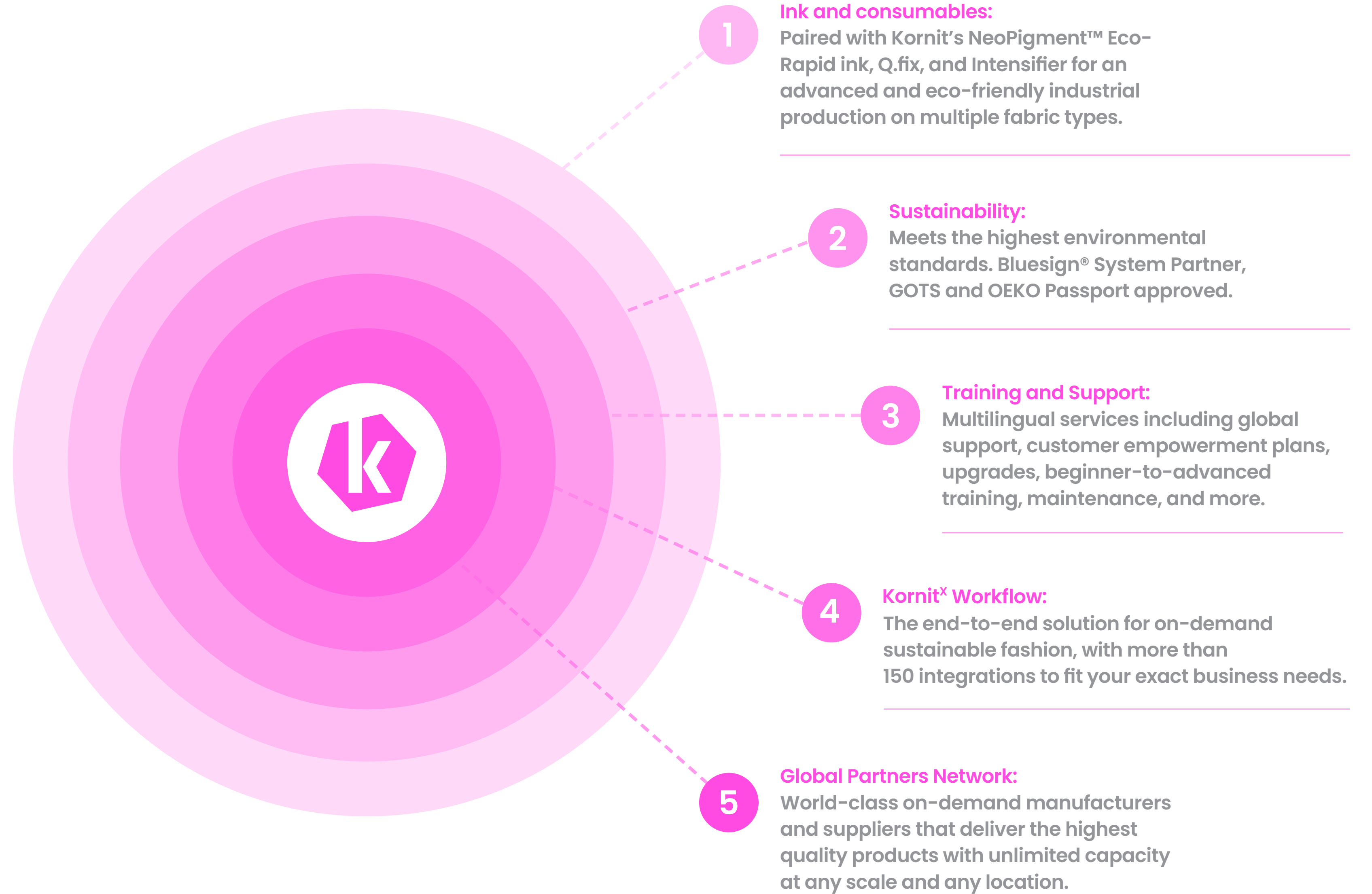
- Eliminate post-dryer cracking
- High-quality results on brushed polyester with Kornit's anti-fibrillation solution
- Soft hand-feel even with ink-heavy impressions
- Ensure reliability, durability, and performance with wash-and-wipe system
- Reduce total cost of ownership with maximized system uptime,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

## Technical Specs

|                          |                                                                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                            |
| Wrinkle Detection System | Embedded                                                                                                                                                     |
| Recommended RIP          | ColorGate                                                                                                                                                    |
| Recommended WF           | Kornit <sup>x</sup> workflow                                                                                                                                 |
| Konnect                  | Supported                                                                                                                                                    |

# Kornit Ecosystem

## Cover your bases



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**Sustainable, on-demand production**

