Kornit
Avalanche 1000

Where mass production at lightning
speed meets extraordinary quality

Kornit
Digital
bonding
matters

Kornit
Avalanche 1000

Pushing mass-production boundaries to their absolute limit

The industrially engineered Kornit Avalanche 1000 is the newest member of Kornit Digital's mass-production family of digital printers. Break the speed barrier with our fastest printer and stretch the limits of single operator mass-volume production. Featuring dual-pallets, 1.5 liter bulk ink system, automatic maintenance and pretreatment systems, the Kornit Avalanche 1000 is built for 24/7 operation. It is specifically tailored to ensure supreme print quality, outstanding accuracy, and exceptional consistency.

Our revolutionary NeoPigment™ process brings the benefits of textile pigment printing to the digital world. Print on multiple light and dark fabric types, enjoy the integrated automated pretreatment process and produce consistently excellent quality prints at the lowest printing costs.

Quick facts

- Fastest print speed on both light and dark garments
- Print up to 300 light A4 garments per hour
- Dual-bridge system enabling true parallel printing
- Integrated humidity control and backup battery system for increased reliability
- 24 Spectra Polaris™ print heads with 256 nozzles each
- 23.5 x 35 in / 60 x 90 cm print area for XXL garments and cut pieces

Key features and benefits

- Innovative NeoPigment™ process including an integrated automated pretreatment process

- Quality printing on most fabric types in one machine with our **Neo Pigment™Ink**

- Low ink price, ensuring lowest Total Cost of Ownership (TCO) and the fastest Return on Investment (ROI)

- 6 height-adjustable industrial Spectra print heads for printing over zippers, buttons and raised objects

- Dual-bridge system enabling true parallel printing

- Degassing system for smooth ink flow and automatic battery backup system ensuring reliability and consistency

- Web-to-print ready for quick launch of ecommerce internet-based services

- Printing area of up to 23.5 x 35 in / 60 x 90 cm for XXL garments and cut pieces

- Wide selection of pallets customized for different size garments

- Biodegradable ink and energy saving process for the most eco-friendly printing solution

- Oeko-Tex 100 safety applications for infant wear, Global Organic Textile (GOTS) and American Association of Textile Chemists and Colorists (AATCC) certified to meet the strictest industry standards
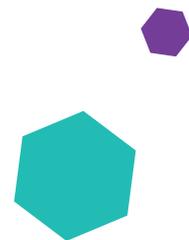
Optimized for your digital mass-production printing needs

The Avalanche 1000 easily surpasses the high-quality, high-speed and low cost printing demands of the garment and textile printing market. The robust dual-pallet digital printer with dual-bridge system and integrated humidity control system has a non-stop production workflow enabling parallel file loading and printing. Dramatically boost your print speed and significantly improve your print quality while reducing your maintenance ink consumption. Even if you are already manufacturing at mass-volume, take your production to the next level with the Kornit Avalanche 1000.

Kornit Avalanche 1000 Technical Specifications

Printing Method	Direct to Garment
Print Heads	Spectra Polaris™, 24 heads, 5 colors, 256 nozzles per head
Printing Area	Up to 23.5 X 35 in / 60 X 90 cm
Printed Substrates	Cotton, Polyester, Cotton-Polyester Blends, Lycra, Viscose, Silk, Leather, Denim, Linen, Wool and more
Throughput (A4 shirts/hour)	Light garments: Up to 300, Dark garments: Up to 170
Dimensions	138 X 91 X 67 in / 350 X 230 X 170 cm
Weight	Approx. 2200kg
Power Requirements	400/208 VAC, 50/60 Hz, 3 phase, 3W+N+PE
Operating System	Supports Windows XP and Windows 7
Operating Conditions	Temperature: 18° C – 30°C / 64.4° – 86° F. Humidity: 45%-95%
Printing Resolution	Up to 600 dpi
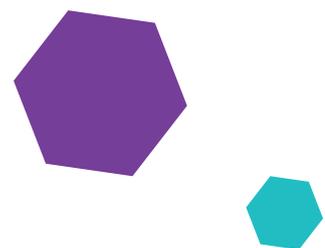
Kornit Digital's Complete Printing Solution

The Kornit Avalanche 1000 is more than a printer built for long-term stability. When you join the Kornit Digital family you benefit from our eco-friendly, fully integrated, complete digital printing solution. Gain from our advanced technologies, operational software packages and world-class international support. Enjoy the benefits of textile pigment printing in the digital world with our in-house developed revolutionary NeoPigment™ process. Whether you are an expanding Direct to Garment business or already at mass-production level, let our extensive print portfolio and full array of services partner with you on your digital print journey.

Printer

Kornit
Avalanche 1000

Software

Service

International
Customer
Support

Accessories

Eco-friendly

Chemistry

NeoPigment™Ink
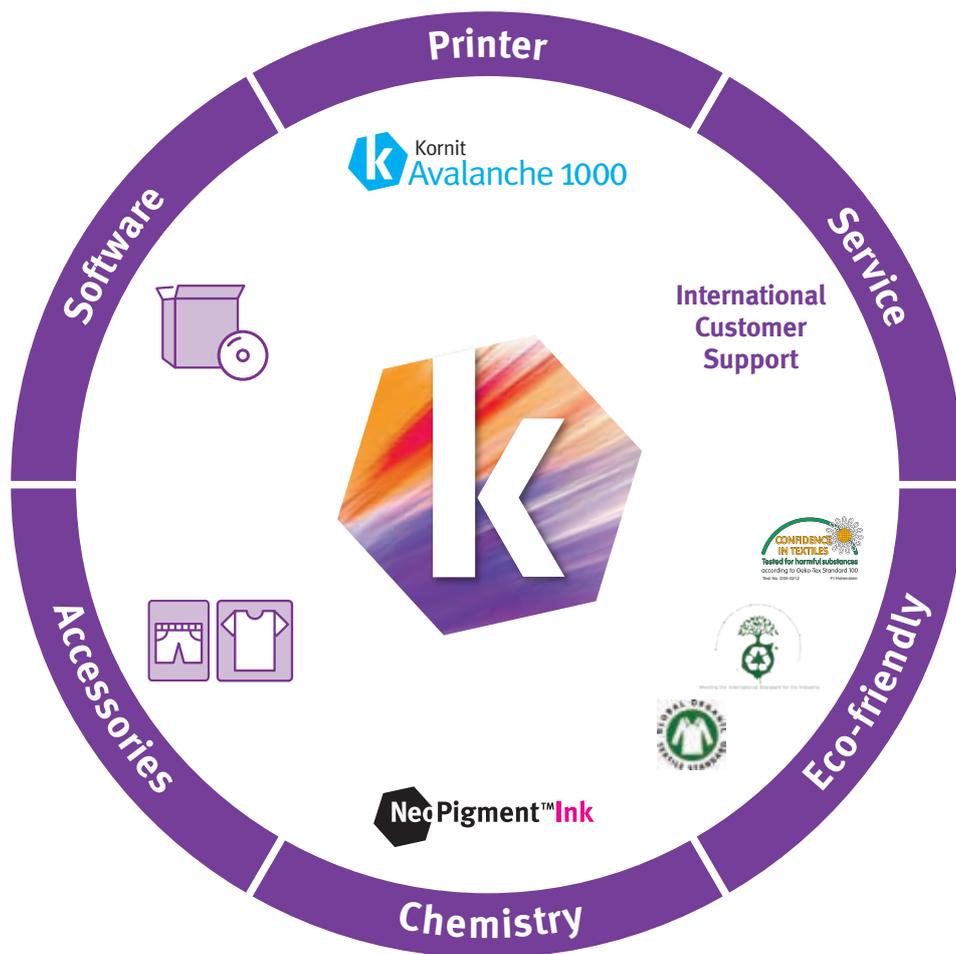
We are

The only company that design and build printers, and develop and manufacture our own ink, pretreatment system and software specifically for the garment and textile printing markets.

We provide

The reliable, easy-to-use, low maintenance, affordable and eco-friendly complete solution that allows printing on multiple fabric types, in one machine.

So you enjoy

Cutting-edge digital pigment printing with the broadest color gamut on a wide variety of fabric substrates, with a single ink set.

Saving you

Money, time, space and resources while retaining full production control and producing phenomenal quality results.

Quick Avalanche 1000 Specs

- Print Heads - Spectra Polaris™, 24 heads, 5 colors, 256 nozzles per head
- Printing Area - Up to 23.5 X 35 in / 60 X 90 cm
- Throughput (shirts/hour A4) - Light: Up to 300, Dark: Up to 170
- Printing Resolution - Up to 600 dpi

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