

Avalanche 951



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Following the Drop of Success

Kornit Avalanche 951

Industrial Direct-On-Garment Digital Printer for Massive-Level Production Businesses

Kornit Avalanche 951 is a dual-pallet industrial digital inkjet printer for the high-volume production of light & dark garments. Kornit Avalanche 951 has been designed to meet the high-quality, high-speed and low cost printing demands of the garment printing market. With an extremely innovative and robust industrial platform, designed for printing vast quantities in a high-level production environment, the Kornit Avalanche 951 demonstrates an unparalleled ability to generate spectacular 4 color process prints at lightning speed. Featuring an advanced, fully automated system that insures a smooth and seamless production workflow, the printer enables garment decorators to produce remarkable multi-color prints on a wide range of textile applications and finished garments, and to efficiently and cost-effectively reach optimum digital printing results for 24/7 short & long run production.

The Kornit Avalanche 951 is the optimum solution for massive-level production DTG businesses and traditional screen printers that are looking to expand towards hybrid apparel decoration enterprises.

Kornit Avalanche 951 Advantages



- Enables high-volume production for custom print runs of up to 300 garments per hour
- Provides vibrant process color prints for light & dark garments and demonstrates the largest color gamut available
- Features a robust industrial design for long-term reliability
- Enables handling a large variety of textile applications and finished garments
- Features the largest printing area in the marketplace - up to 60 x 90 cm, optimal for XXL garments & cut pieces
- Enables an unhindered and cost-effective workflow with a minimal need for external production processes
- Accommodates a wide selection of pallets customized for different garment sizes
- Designed for a smooth and consistent ink flow for ultimate printing results
- Enables an automatic "web-to-print" workflow, developed especially for online businesses
- Allows high-quality non-contact printing over seams, pockets & more
- Built for non-stop operation 24/7
- Assures fast turnarounds, highest profitability & lowest printing costs in the marketplace





Kornit Avalanche 951 Main Features

- Dual-pallet printer, supported by a twofold-bridge platform for parallel printing
- Automatic **pre-treatment** system integrated into the machine
- 1.5 liter industrial bulk ink system for high-volume production
- Automatic Maintenance Station for enhanced reliability
- Vertical height adjustment of up to 5 cm for thick garments and special media applications
- Integrated degassing system that enables an uninterrupted ink flow
- Preservation fluid in bulk for white ink savings
- Optional interlace printing mode for producing completely solid surfaces and vivid images
- Advanced machine controller that enables multi-function operational reliability
- Innovative operating system software and user friendly interface that supports dual-pallet printing management
- Non-stop production workflow that enables file loading while printing
- Printing Frequency: up to 20 kilohertz

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Enhanced Printing Experience with Kornit Water-Based Inks

Kornit Line of CMYK Inks

- Lowest ink cost in the marketplace
- Developed by Kornit specifically for printing on textiles
- Formulated to ensure the highest level of compatibility and performance with the Kornit line of digital printers
- Environmentally friendly, Oeko-Tex approved
- Highest durability, stretch-ability and wash fastness

Kornit Proprietary White Ink

- State-of-the-art pigmented ink exclusively developed for printing on dark garments
- Specifically engineered to fit Kornit's industrial print-heads
- High-elasticity and non-cracking attributes
- Extraordinary durability and long shelf-life, easy to handle and maintain
- Features white & SuperWhite™ separations



QuickP
DESIGNER



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Experts @ your service

Expand your Printing Possibilities

Quick Performance RIP for your Kornit Printer

QuickP Designer helps you reach multiple colors and shades for premium artwork prints!

- Enables quick, high-quality image file preparation without the need for external RIP-ing applications or processes
- Delivers exceptional image quality for a wide-range of file applications
- Designed to handle multiple jobs for a variety of fabrics and garment types
- Facilitates an extremely short learning process with its easy-to-manage user interface
- Enables a smooth and efficient workflow for maximum productivity

Wide Pallet Selection for Your Various Printing Needs

Kornit offers a varied selection of pallets that allow printing on different garment applications and also on specific locations on the media. The exceptional flexibility of the Kornit Avalanche 951 allows you to incorporate any of the Kornit pallets, into your system, according to your customers' specific needs.

Pallet Type	Dimensions	Media Applications
Standard Pallet	500mm x 400mm	T-shirts, button shirts, hoods & jackets
Children Pallet	330mm x 270mm 190mm x 270mm	Children's wear
Universal Pallet	70mm x 70mm 140mm x 140mm 210mm x 140mm 210mm x 210mm 280mm x 280mm	Pants, scarves, mouse pads, pockets,
Grand Pallet	700mm x 500mm	XXL shirts & cut pieces
Grand+ Pallet	900mm x 600mm	Super-sized shirts & cut pieces
Tote-bag Pallet	270mm x 260mm	Tote bags
Sleeve Pallet	130mm x 110mm 400mm x 110mm	Short & long sleeves
Hat Pallet	148mm x 98mm	Hats & caps

Worldwide Service & Support

Kornit ICS is committed to providing you with the best tools to help you efficiently operate your machines and successfully reach the highest profitability for your business. With our wide-ranging customized support programs especially designed for our long-term partners, Kornit ICS offers you a unique and comprehensive solution that addresses all your support needs, providing ongoing, cost-effective, premium customer care.

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The Key to Cost Effective Production

The Kornit Avalanche 951 industrial design enables you to quickly achieve your business goals by providing unique technological solutions for cost effective workflow & production

Ink System Platform

The Kornit Avalanche 951 ink system platform features two separate print-head sets; one for CMYK and one for white. This unique design enables simultaneous printing of two garments at the same time, keeping all machine print-heads in a constant, full, operational mode.

Cost-effective Benefits:

- Highly productive, utilizes maximum capacity of the technical and mechanical components
- Requires less 'purge & wipe' print-head maintenance
- Saves time & money with efficient and cost-effective ink utilization
- Ensures reliability and long-lasting stability of white print-heads



Integrated Pre-treatment System

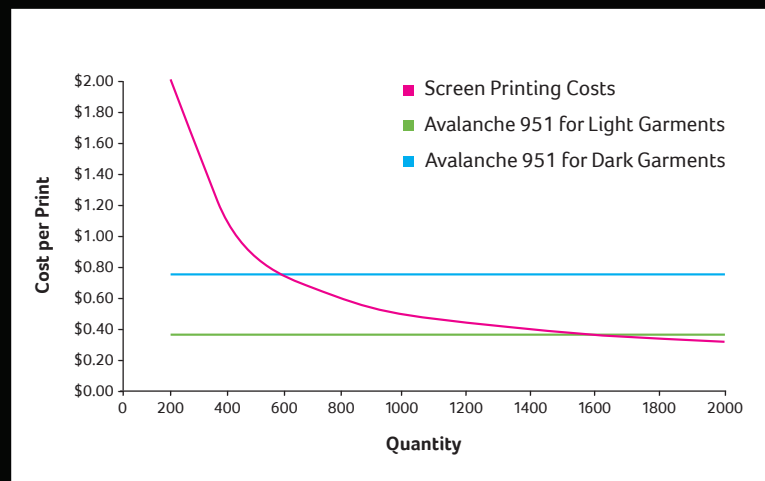
Kornit has developed a proprietary pre-treatment system that is integrated into the Kornit printer. The PreT™ System enables printing on the garment without the need for manual pre-treatment of any kind, by applying a fixation agent automatically on press, immediately prior to the print process.

Cost-effective Benefits:

- Advanced production workflow and faster production times
- Eliminates the need for a secondary operation or outsourcing
- Capital savings on equipment, space & utilities
- Operational savings on labor and consumables

Kornit Avalanche 951 vs. Screen: Break-even Point

- The calculation is based on a 4 color, 240 x 240 cm / 9.5 x 9.5 inch print
- Labor rate is calculated based on \$10 per person per hour



Kornit Avalanche 951 Technical Specifications

Printing Method	Direct-to-Garment
Printing Heads	Spectra Piezo Electric, 13 heads, 5 colors, 256 nozzles per head
Printing Area	Up to 23.5" x 35" / 60 x 90cm
Printing Substrates	Cotton, Polyester, Cotton-Polyester Blend, Lycra, Viscose, Silk, Leather, Denim, Linen, Wool and more
Throughput (shirts/hour)	Light Garments: Up to 300 Dark Garments: Up to 170
Dimensions	138" x 91" x 67" / 350cm x 230cm x 170cm
Weight	Approx. 1650 kg
Power Requirements	400/208 VAC, 50/60Hz, 3 phase, 3W+N+PE
Operating System	Supports Windows XP
Printing Resolution	Up to 630 DPI
Operating conditions	Temperature 18°C - 30°C, Humidity 45%-95%

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