EST 480

HIGH SPEED DYE-SUBLIMATION TRANSFER SYSTEM

KIP EST 480

HIGH SPEED DYE-SUBLIMATION TRANSFER SYSTEM

The KIP EST 480 delivers a revolutionary dry sublimation process that provides industry leading productivity with the lowest cost of operation and is the perfect solution for a number of applications.

Athletic Apparel

Commercial Uniforms

Fashion Design

Soft Signage

Furniture Decor

Custom Specialty Products

KIP EST 480 TECHNOLOGY

Production textile printing performance is achieved using electrophotographic technology (dry toner & bond paper) to create a dye sublimation transfer to polyester fabric.

- Dry sublimation toner is printed onto the transfer bond media
- Transfer media is placed onto polyester cloth
- As heat and pressure is applied, the CMYK toner particles vaporize, permanently dyeing the polyester material creating a high-quality custom color cloth that is immediately dry and ready for the cut-and -sew processing.

Transfer Paper

Polyester Fabric

Heat Press

Dyed Fabric

KIP EST 480 TECHNOLOGY BENEFITS

- High Speed CMYK Dry-Toner Sublimation
- Bright, Bold, Rich Garment Colors and Custom Gradients
- Five Times Faster than Leading Inkjet Technology
- High Quality Speed 2,880 sq. ft./ hour
- 600 x 2400 DPI
- Permanent Non-clogging Print Heads
- Calibrated LED Heads for Precise Imaging and Smooth Gradients
- No Print Head Maintenance
- Dual 500 Foot Media Rolls
- Auto Switching Media
- Continuous Roll Printing
- Green Technology – No Dye-Sublimation Emissions
- Certified ECO Passport Toner
- Robust Build Quality

High Quality Production Printing

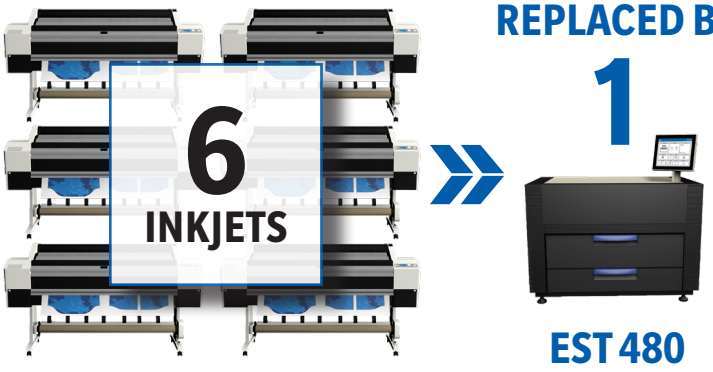
2,880 sq. ft / 268 m² per hour

SUPERIOR PRODUCTION SOLUTION

- Saves up to 80% Space Replacing Six Inkjet Systems
- Automatic Cut-to-Fit Image Size

- Continuous One-team Printing

- Reliable Unattended Printing
- Easy Front-loading Media
- No Media Cockling
- Large Toner Cartridges for Reduced Operator Interaction
- Easily Balance Workflow for Large and Small Applications
- No Textile Dry Time
- Superior Wash and Wear Durability
- 26% to 44% Image Cost Savings
- Total Cost Reduction



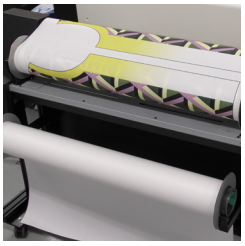
KIP SYSTEM K SOFTWARE

Included in All KIP Systems

Included in All KIP Systems Single Software Platform | Cloud Solutions | Print System Management | Advanced Security Automated Workflow Management | Continuous Enhancement of Features & Functions

ACCESSORIES

- Integrated Stacking
- Synchronized Take-up Reel



WINDOWS 10
MAC OS PPD

- Print large sizes directly from applications
- Supports color management processing

KIP EST 480 Specifications

Basic function	
2 Roll Color	Dye-Sublimation Transfer Print System
Finishing Systems (optional)	KIP EST 480 Stacker / Take Up Roll System
Description	Dye-Sublimation Transfer printing
Type	LED Array Electro photography with organic photoconductor (OPC drum) Contact Development using non magnetic mono-component toner
Speed (high quality)	2,880 sq. ft. (268 m^2) per hour in color regardless of image type or print resolution
Warm Up Time	Instant from standby, less than 6 minutes from power on
Toner	Four color (CMYK), dry toner, - KIP EST Dye-Sublimation Transfer Toner (ECO PASSPORT Certified) *
Input Power	North America: 208-240VAC +6%/-10% 50/60Hz, 16 A EU/UK: 220-240 V, 50/60 Hz, 16 A
Power Consumption	Ready: 0.6 kWh. Printing: 1.9 kWh, Warm Up: 3.4 kWh, Sleep Mode: 3 Wh
Acoustic Noise	< 65 db Printing
Ozone	< 0.05 ppm (average of 8 hours)
Dimensions	60" x 43" x 40" / 1,500 mm × 1,080 mm ×1,015 mm (w/o Operation panel & Autostacker)
Weight	1047 lbs. / 475 kg.
Print Head	Permanent Calibrated LED

Printer	
Print Resolution	600 x 2,400 dpi
Paper Capacity	3,000 sq. ft. / 280 sq. m. (2 rolls + cut sheet)
Output Sizes Width (roll media)	11" - 36" / 297 mm - 914 mm (3" Core)
Output Sizes Length (roll media)	150 linear ft. / 45 linear m. (actual length may be dependent on media type and file type limitations)
Paper Weight (roll media)	Sublimation transfer paper or Bond: 18 – 40 lb / 67 – 150 gsm
Sheet Bypass	Up to 40 lbs. / 150 gsm bond | Maximum sheet size 36"/ 914 mm x manageable length | Minimum sheet size 11" x 17" / A3
Media Types	Sublimation Transfer Paper, Calendered Bond

Controller	
Controller Type	System K Embedded, Windows Embedded – 64 bit, i5 Quad Cord (min)
Memory	4 GB (min)
Hard Drive	250 GB minimum unlimited upgrade
Compatible File Formats	Raster Color: TIFF, JPG, JPG2000, PNG, BMP, GIF, TGA, RLE/RLC Vector Color: Postscript (PS/EPS), Adobe PDF

Space, Electrical & Environmental Requirements	
Total Space (minimum)	132" x 103" / 3350 x 2600 mm (W x D)
Electrical Requirements	North America: 208-240VAC +6%/-10% 50/60Hz, 16 A EU/UK: 220-240 V, 50/60 Hz, 16 A
Electrical Receptacle	North America = NEMA 6-20 R Europe = CEE 7 UK = BS 546 All other regions = please refer to your local standards
Network Port	RJ-45 port-CAT5 or higher. LAN rated at least at 100 mb. Recommended is 1000 mb
Room Temperature	50-86°F / 10-30°C
Humidity	15-80% RH

* Original KIP Dye-Sublimation Transfer Toner for the KIP EST480 High Speed Electrophotographic Dye-Sublimation Transfer System are certified ECO PASSPORT by Oeko-Tex,® which is a globally uniform testing and certification system for textile chemicals, colorants, and auxiliaries. It consists of a two-step verification procedure that analyzes whether the compounds and each ingredient meet specific criteria for sustainability, safety, and regulatory compliance.

SUSTAINABILITY

In packaging, we strive to minimize the overall use of materials, utilize recycled and recyclable materials when possible and reduce packaging size and weight to minimize transportation fuel impact.

ENVIRONMENTAL MANAGEMENT SYSTEMS STANDARD

KIP factories operate in full compliance with the strict code of the ISO 14001 Environmental Management Systems Standard, which provides the requirements for organizations wishing to operate in an environmentally sustainable manner.

ECO PASSPORT ENERGY STAR RoHS Compliant

KIP.COM/GREEN | FOR MORE INFORMATION

SYSTEM SOFTWARE K

KIP

For complete information on the KIP EST 480 Series please visit: www.EST480.com

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