

sts[®]
INKS
Color is in Our DNA



STS AI FLATBED UV PRINTER

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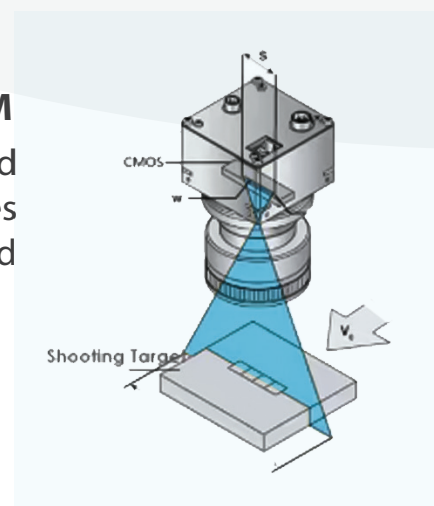
CCD VISUAL CONVEYOR Camera Positioning UV Printer

Effortlessly print on a wide range of specially shaped materials with automatic detection and precise positioning.

ADVANCED 1200 DPI VISUAL CAMERA POSITIONING SYSTEM

With a 360-degree adjustable placement, no need for fixtures, and scanning and printing at the same time, this system achieves speeds of 3.28 - 4.92 ft/s. It can print up to 368.6 feet per hour and handles high-drop products with ease.

Unmatched Precision: Up to 1200 DPI with an error as small as 0.1 mm.



KEY FEATURES

- **EXCEPTIONAL ACCURACY:** Visual positioning with an error margin of less than 0.1 mm, achieving high precision at 1200 DPI.
- **SEAMLESS OPERATION:** Dual guide rail design ensures the visual positioning and spraying systems work independently without interference.
- **SMART TECHNOLOGY:** AI algorithm control system for optimized performance.
- **NON-STOP PRODUCTIVITY:** Capable of 24 - hour, uninterrupted printing.
- **SUPERIOR PRINT QUALITY:** Industrial-grade nozzle delivers high-jet printing with precise, vibrant colors.
- **DURABLE COMPONENTS:** Equipped with Ricoh G6 nozzles—corrosion-resistant, clog-free, and engineered for high-performance industrial printing.
- **EFFICIENCY & VERSATILITY:** High-speed printing, significant cost savings, easy operation, and wide-ranging applications.



MACHINE Parameters

PRODUCT MODEL	STS AI Flatbed UV Printer
PRODUCT BRAND	STS Inks
PRINT AREA	1200mm x unlimited / 47.24 in x unlimited
MEDIUM HEIGHT	0 - 200mm / 0 - 7.87 in
NOZZLES	5 -10 (Optional)
PRINT PRECISION	300 - 1200dpi
INK DROP	5PL
COLOR SCHEME	CMYK / Lc / Lm / W / V
CURING METHOD	UV Water-cooled LED
RIP SOFTWARE	CADlink FlexiPRINT Inedit
POWER	220V / 50-60Hz
PRINT SPEED	12m ² - 80m ² / Hour (Print head configuration) 129 ft ² - 861 ft ² / Hour (Print head configuration)
ENVIRONMENT	Temperature 20-28°C Relative Humidity 40-60% Temperature 68-82.4°F Relative Humidity 40-60%
MACHINE SIZE	2840x2830x1510mm 111.81x111.42x59.44 in
WORKING MODE	All-In-One Automated Production.
OPTIONAL LOADING METHODS	Fully adjustable feeder compatible with various media and material types
POSITION SYSTEM	Visual camera positioning



ABOUT US

Founded in 1999, STS has established its reputation as a leader in digital printing inks manufacturing and technology. In 2005, the company took its first steps into the U.S. market with a manufacturing facility in New York. By 2009, STS had relocated and expanded its operations to Boca Raton, Florida showcasing its commitment to growth and innovation on a global scale.

As a world leader in wide format, industrial, promotional, textile, and apparel digital ink markets, STS is renowned for its application of cost-effective and cutting-edge technologies. Our commitment to innovation extends to streamlining processes and procedures, transforming ideas into reality.

STS products are distributed in over 160 countries across North America, Europe, South America, the Middle East, Africa, Asia, and Oceania. Our manufacturing principles are rooted in continuous improvement and efficiency.

We prioritize maintaining strong relationships with our OEM customers, ensuring a deep understanding of their requirements and providing comprehensive customer support from concept through the product lifecycle.

Our manufacturing assets, including three fully equipped labs and a 50,000 sq. ft production facility in Boca Raton, Florida, enable us to support processes ranging from simple to highly complex. Additionally, our presence extends globally with offices and warehouses in Bulgaria and Colombia, facilitating fast and easy distribution to our customers.



STS INKS®

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