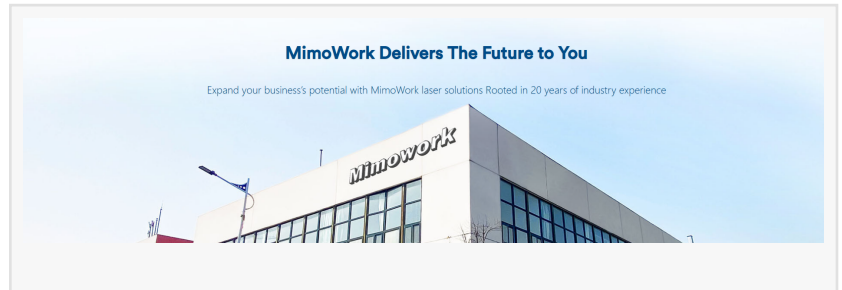


China Laser Machine Manufacturer Presents Dye Sublimation Fabric Cutting Solutions at PRINTING United Expo 2025

SHANGHAI, SHANGHAI, CHINA, October 16, 2025 /EINPresswire.com/ -- As the global textile and printing industries continue to embrace digitalization and smart automation, the demand for innovative, high-precision manufacturing solutions has never been greater. Leading this transformation is



Mimowork, a China-based laser system manufacturer with two decades of expertise, set to showcase its latest breakthroughs at the highly anticipated PRINTING United Expo 2025. Taking place from September 30 to October 2 in Atlanta, Georgia, the event serves as a critical platform for introducing breakthrough technologies that are shaping the future of the industry.

Mimowork will be highlighting a new suite of solutions designed specifically for

[dye sublimation sportswear cutting](#) and DTF printing advertising flag cutting. Unlike traditional cutting methods, these advanced systems combine laser precision with Mimowork's proprietary

Contour Recognition System and an automated workflow to meet the modern demands of sustainable production, on-demand manufacturing, and smart automation. The company's presence at this premier event—the largest printing and graphic technology exhibition in the Americas—underscores its commitment to providing reliable, high-performance equipment for small and medium-sized enterprises (SMEs) worldwide.

PRINTING United Expo 2025: A Global Stage for Innovation

PRINTING United Expo has firmly established itself as a must-attend event for professionals across the printing, textiles, and signage sectors. It's a dynamic environment for networking and education, offering attendees the chance to explore a wide range of emerging technologies from direct-to-garment printing and dye sublimation to laser processing and additive manufacturing.

The 2025 edition is anticipated to have a strong focus on technologies that enhance efficiency, reduce waste, and support shorter production cycles. These themes are perfectly aligned with Mimowork's latest offerings, which are designed to minimize environmental impact while maximizing precision and repeatability. In a market where digital integration is becoming a necessity, Mimowork's laser cutting systems are gaining significant attention for their ability to streamline operations and enable businesses to adapt to flexible, just-in-time manufacturing models. The Expo provides an ideal venue for Mimowork to engage with North American and international clients seeking to upgrade their capabilities with affordable yet high-end equipment.

Engineering Excellence for Modern Manufacturing

Founded with a mission to deliver robust and accessible laser processing solutions, Mimowork has become a global leader in its field, with manufacturing bases in Shanghai and Dongguan. What sets the company apart is its vertically integrated manufacturing approach. Unlike many suppliers who rely on third-party components, Mimowork controls the entire production chain, from R&D and software development to assembly and quality assurance. This full supply chain control ensures consistent performance, reliability, and durability across all products. This deep commitment to quality and innovation allows Mimowork to continuously adapt and meet the evolving needs of its diverse client base, which includes the advertising, automotive, aviation, and textile industries.

At the Forefront of Precision: The Contour Recognition System

Mimowork will be placing a special emphasis on its advanced

Contour Recognition System at the Expo. This optical system is a cornerstone of modern automation in the textile and printing sectors, addressing the challenges of accurately cutting complex, pre-printed designs.

The system works by using a high-resolution camera to automatically scan the printed fabric on the machine's conveyor table. It instantly identifies and registers the precise contours of printed patterns, such as logos, text, or intricate graphics, even on stretched or slightly distorted materials. Once the patterns are mapped, the system automatically adjusts the cutting path in real time, ensuring a perfect alignment between the laser cut and the printed graphic. This visual recognition and automatic positioning capability is a game-changer for businesses that rely on digital printing, eliminating the need for manual alignment and significantly reducing production errors and material waste.

When combined with Mimowork's CO2 and fiber laser sources, the Contour Recognition System allows for high-precision cutting that results in clean, sealed edges without any fraying, which is ideal for sensitive synthetic materials commonly used in sportswear and outdoor advertising flags. The result is a seamless, automated workflow that enhances efficiency and supports a more agile, on-demand production model.

Specialized Solutions for High-Demand Applications

At PRINTING United Expo 2025, Mimowork will conduct live demonstrations of two key applications where its technology shines:

1. Dye Sublimation Sportswear Cutting

The sports apparel industry demands speed, precision, and the ability to produce unique, intricate designs on a wide range of synthetic fabrics like polyester and spandex. Mimowork's laser cutting systems are engineered to handle these materials with exceptional accuracy. The Contour Recognition System is particularly vital here, as it can precisely cut printed patterns on stretchable fabrics often used in jerseys, swimwear, and other athletic wear.

By combining laser cutting with a General Auto-Feeder and a Conveyor Table, Mimowork's solutions enable continuous, automated production from a roll of fabric. This process significantly reduces production time and allows SMEs to handle large, complex orders without compromising quality. A sportswear manufacturer in Vietnam, for instance, has successfully integrated Mimowork's laser cutters to produce intricate athletic jersey patterns, leading to a 20% reduction in material waste.

2. DTF Printing Advertising Flag Cutting

Digital to Film (DTF) printing is widely used for creating vibrant, detailed promotional products like advertising flags and banners. These items often feature complex shapes and require perfectly smooth, precise edges to maintain a professional appearance.

Mimowork's laser cutters, with the integrated Contour Recognition System, are perfectly suited for this application. The system's ability to automatically align with printed graphics ensures that every flag is cut with flawless accuracy, even on a large scale. This automation streamlines the production process, enabling companies to quickly turn around custom orders and significantly increase their daily output. The eco-friendly operation of laser cutting also reduces material waste and eliminates the need for any wet finishing processes, supporting greener production cycles that are a key trend in the industry.

Driving the Industry Forward

The textile and garment decoration industries are clearly moving toward more flexible, sustainable, and automated production methods. Mimowork's emphasis on continuous R&D and its unique full-supply-chain control allows it to innovate in perfect alignment with these macro-trends. The company's laser cutting systems offer a compelling value proposition for growing SMEs seeking to enhance their competitiveness without overspending.

Visitors to PRINTING United Expo 2025 are invited to experience Mimowork's solutions firsthand at the company's booth. The Mimowork team will be available for live demonstrations and detailed technical discussions, providing attendees with a clear look at the future of digital printing and textile processing.

To learn more about Mimowork's products and solutions, visit their official website:

<https://www.mimowork.com/>

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