

Logic Art Automation Co., Ltd.

LA-IDCC Intelligent Data Control Center | LA-653 Laboratory Multi-Batch Dyer

Logic Art, the leading provider of automated dyeing and finishing equipment, holds the top position in global sales of liquid dispensers. With over 40 global patents, it leverages its expertise in dyeing and finishing technology to connect Taiwan's A-Team textile dyeing and finishing equipment industry supply chain. From single machine automation and data collection to cloud-based analysis of manufacturing big data, Logic Art offers professional smart production solutions, aiming to enhance productivity and efficiency.

In this exhibition, the spotlight will be on two key products: the LA-IDCC Intelligent Data Control Center and the LA-653 Laboratory Multi-Batch Dyer. The LA-IDCC Intelligent Data Control Center seamlessly integrates data across six modules: smart center, dyeing, sorting, monitoring, streaming, and feeding. It achieves real-time insights, energy optimization, unmanned production, and digital platform establishment for post-processing through MQTT communication protocol for data integration and exchange. This intelligent approach realizes digitalization in the dyeing and finishing process and successfully implements carbon footprint management, ultimately providing customers with the most efficient and intelligent management solution.

As our new member to the laboratory, LA-653 Laboratory Multi-Batch Dyer showcases its patented technology, utilizing servo motor control to achieve a swinging impact of 120 degrees in all directions. This ensures thorough mixing of dyes and fibers, resulting in optimal fabric dyeing. Moreover, it features independent temperature control with 18 individual cup positions to regulate temperature and dyeing processes. Equipped with automatic dosing functionality, it enables precise dyeing and allows for unlimited dyeing processes to be recorded for over a year, enabling customers to easily track, analyze, and access all experimental formulas.



As a leading player in Taiwan's textile industry, known for the "LA-Total Solution," we are driven by the belief of "We Define the One" in our customized approach. By integrating our extensive expertise and experience, we assist textile dyeing and finishing businesses in accelerating their digital transformation, achieving automation, standardization, and unmanned operations. We help our customers embrace ESG principles, and we invite you to witness our new products and technologies at the 2023 TITAS exhibition. Together, let's build a greener and smarter future for Taiwan's manufacturing industry.

For more information, please visit our website <https://www.logicart.com.tw/>.