

LA-IDCC

Precision in Critical Decisions

Intelligent Data Control Center

- 12

Cost Reduction
- 25

Enhanced Production Efficiency
- 15

Improved Customer Satisfaction
- 15

Trolley Turnover Rate

- Process Visualization
- Data-Driven Decisions
- Energy Optimization
- Yield Improvement

6 Application Modules

- Smart Finishing

Data Visualization

Equipment Output Statistics

Real-time Equipment Monitoring

Equipment Indicator Visualization

Equipment Historical Event Query
- Smart Monitoring

Work Order Scheduling

Order Analysis Functionality

Production & Sales Management

Inventory Management & Analysis

Integrated Information Application

Quality Audit & Analysis
- Smart Dyeing

Data Browsing

Work Order Report

Production Statistics

Real Time Monitoring

Machine Data Visualization

Machine Historical Event Query

Machine Event Report Analysis
- Smart Streaming

Historical Event Query

Equipment Data Visualization

Full Plant Equipment Monitoring
- Smart Dispenser

Dispenser Uptime Statistics

Real-time Dispenser Monitoring

Dispenser Indicator Visualization
- Smart Center

Alarm Message Alerts

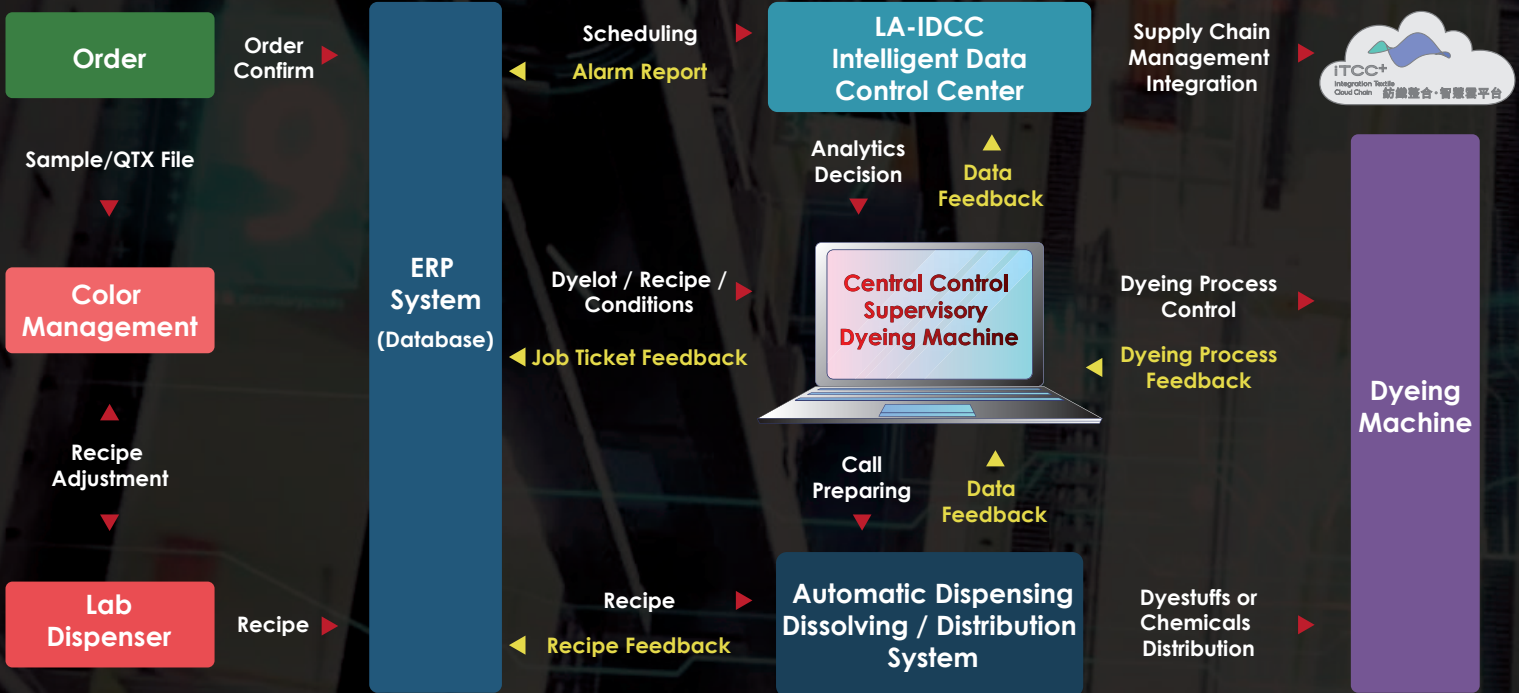
Smart Water Management

Smart Energy Management

Function Module	Pain Points	Application Roles
Capacity Analysis	Production bottlenecks cause delays and increase costs; fast identification of underperforming stages is critical.	• Plant Manager • Production Manager
Historical Data & Event Tracking	Fragmented data and incomplete event records hinder traceability and optimization.	• Facility Manager • Equipment Engineer • Maintenance Supervisor
Inventory Management & Analysis	Stockpile ties up funds, greige fabric shortages halt production; lack of real-time visibility.	• Procurement Staff • Production Planner • Warehouse Supervisor
Work Order Scheduling	Frequent rush orders make manual scheduling ineffective, causing delivery delays and manpower waste.	• Plant Manager • Production Planner • Scheduling Supervisor
Process Performance Analysis	High rework rates and undetected anomalies increase costs and energy use.	• Plant Manager • Process Engineer • Quality Control Manager
Order Quality Analysis	Unclear defect causes, rising returns, & fast market shifts delay decisions.	• Sales Director • Brand Manager • Quality Control Manager

Dye House

Smart Manufacturing Workflow

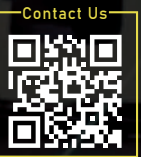


To Provide the Textile Dyeing Industry
with the Most Intelligent and Efficient Solutions

LOGIC ART

T : +886-2-2999-2899
F : +886-2-2999-2893
E-mail : sales@logicart.com.tw
8F-7, NO.16, Ln. 609, Sec.5, Chongxin Rd.
Sanchong Dist., New Taipei City 241, Taiwan

LA-Total_E_202510
We Define The One

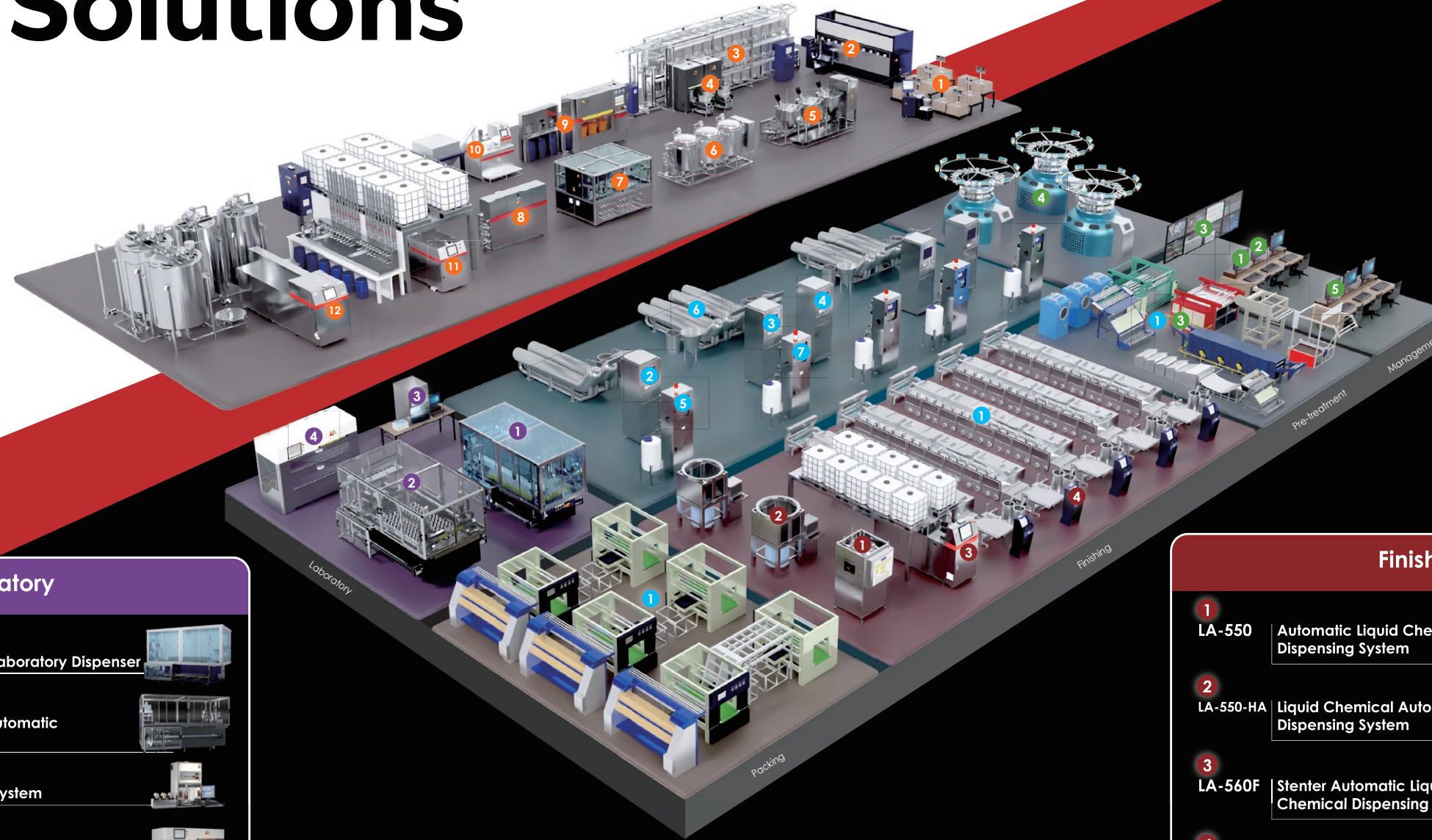


General Brochure



www.logicart.com.tw

Dye House Smart Total Solutions



Laboratory

1	LA-600	Tube-Free Automatic Laboratory Dispenser	
2	LA-600D	Tube-Free Dual-Arm Automatic Laboratory Dispenser	
3	LA-620	Stock Solution Master System	
4	LA-653	Laboratory Multi-Batch Dyer	

Management

1	LA-1000	Process Management System	
2	LA-SPC	Dye Machine Supervisor System	
3	LA-IDCC	Intelligent Data Control Center	
4	LA-KIMS	Knitting Machine Intelligent Management System	
5	iTCC +	Integration Textile Cloud Chain	

Dyeing Machine Controller

1	LA-SMBIoT	Smart Machine Box	
2	LA-828G/GL	Dyeing Machine Controller	
3	LA-858	Dyeing Machine Controller	
4	LA-868	Dyeing Machine Controller	
5	LA-pH	LA-pH Control System	
6	LA-SWCA	Smart Washing Chroma Analyzer	
7	LA-MCT	Multi Chroma Turbidity Analyzer	

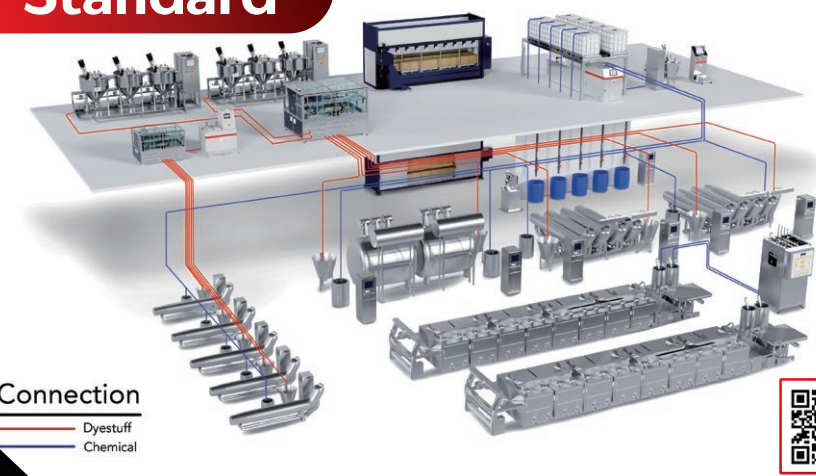
Finishing

1	LA-550	Automatic Liquid Chemical Dispensing System	
2	LA-550-HA	Liquid Chemical Automatic Dispensing System	
3	LA-560F	Stenter Automatic Liquid Chemical Dispensing System	
4	LA-570A	Stenter Monitoring System	

Dye / Chemical Preparation

1	LA-200	Semi-Auto Powder Weighing Management System	
2	LA-201	Combined Dyestuff Storage & Weighing Management System	
3	LA-202	Dyestuff Warehouse & Weighing Management System	
4	LA-210	Automatic Dyestuff Weighing System	
5	LA-252	Powder Dyestuff Dissolving System	
6	LA-252RBC	Powder Dyestuff Automatic Loading & Dissolving System	
7	LA-253	Dye Solution Distribution System	
8	LA-255	Dye Solution Dispatch System	
9	LA-301	Liquid Chemical Dispensing & Management System	
10	LA-302PDW	Chemical Weighing, Dissolving & Distribution System	
11	LA-302 F/ECO	Automatic Chemical Dispensing & Distribution System	
12	LA-303M/F	Powder Chemical Weighing & Distribution System	

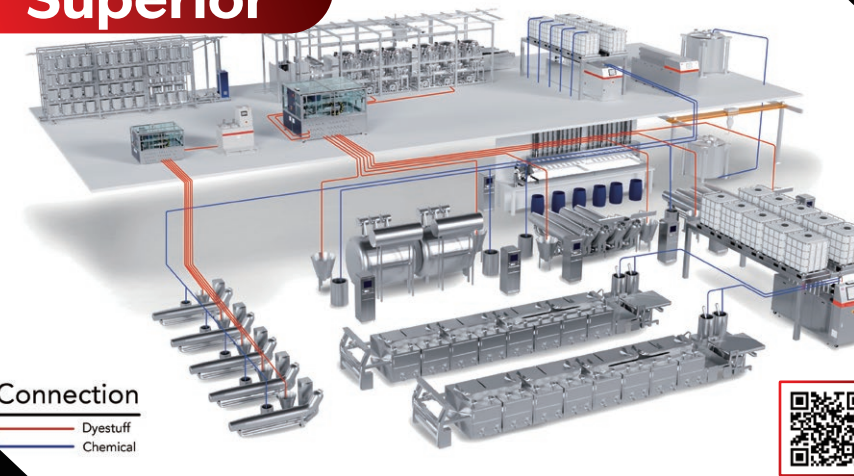
Standard



Save Up to 15% on
Chemical Usage and Costs

- Ensures Repeatability
- Centralized Distribution Control
- Standardized Dissolving Process
- Self-Cleaning System
- Suitable for Exhaust Dyeing, Continuous, And Tenter Applications

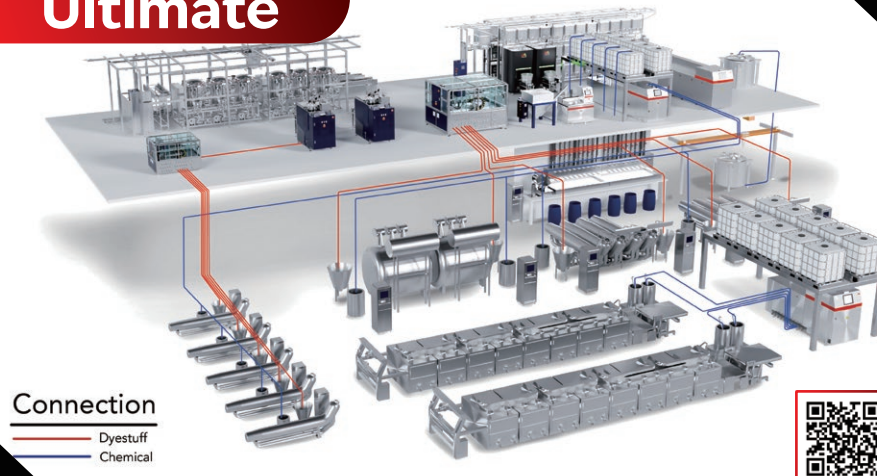
Superior



Increase Plant Productivity &
Consistency with Efficient
Management

- Accurate Fully Automatic Dispensing & Distribution
- Achieve Right First Time (RFT) Production
- Direct Real-Time Monitoring & Centralized Management Control
- Optimized Recipe Management
- Achieve Operational & Environmental Efficiency

Ultimate



Customer-Centric
unmanned Solution

- Customer-Oriented Dyehouse Layout
- Optimal Production Management With Integrated Automation
- Consistent Quality Control
- Effective Synchronization
- The Ultimate Solution For Smart Manufacturing