



Innovating  
**Energy**  
Efficiency  
in Textile  
Industry



[www.dosimac.com.tr](http://www.dosimac.com.tr)

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# About us

Founded in 2020, Dosimac has evolved from a textile software pioneer into a full-scale industrial engineering partner.

We bridge the gap between intelligent control and heavy-duty machinery.

## Who We Are

Founded in Italy in 2020, Dosimac began as a specialist in software automation and recipe management for textile processing.

Through close collaboration with industry partners, we developed a profound understanding of production challenges and process optimization. In 2025, we expanded into machinery automation, establishing a new production hub in Türkiye while maintaining our Italian facility to serve the China and Taiwan regions.

Today, we successfully merge our software expertise with high-end engineering to deliver advanced systems for chemical dispensing, dye preparation, and printing.

## What We Do

Today, we deliver integrated solutions that combine precision hardware with intelligent control systems. Our technologies improve consistency, efficiency, and resource management in textile operations.

By integrating practical digital solutions, we help manufacturers increase capacity and make more informed, data-driven operational decisions.

### Our Mission

To contribute to sustainable manufacturing by reducing energy and water consumption through precise and dependable automation.

### Our Vision

To advance textile processing through smart dosing technologies, integrated automation, and data-driven process intelligence, setting a consistent standard for precision, efficiency, and operational transparency.



# Our Value

Dosimac develops automatic dosing and precision weighing systems tailored specifically for textile applications. By combining advanced software architecture with carefully engineered hardware, our solutions enable controlled, repeatable, and highly efficient process execution.

Beyond automation itself, our systems create a strong digital foundation for operational visibility, performance monitoring, and continuous improvement. This infrastructure also supports the future adoption of AI-assisted optimization tools designed to improve machine efficiency, process stability, and production scalability.

Dosimac specializes in automatic dosing and precision weighing systems tailored for textile applications. By merging advanced software with robust hardware, we enable controlled, repeatable, and highly efficient process execution. Our systems create a digital foundation for performance monitoring, supporting AI-assisted tools to enhance machine efficiency and production scalability.

## Our Solutions: Integrated Systems

We design complete dosing lines—including mixing, dissolving, and dispensing units—complemented by intuitive management software. Beyond automating critical steps, our solutions establish a refined digital ecosystem. This infrastructure allows manufacturers to optimize machine utilization, improve productivity, and unlock growth through advanced data analytics.

## Our Philosophy

Our approach is practical: we use technology to create real value, not complexity. As processes evolve, we integrate AI-supported insights to deliver tangible impact. We are committed to a future where textile manufacturing is efficient, scalable, and fully transparent.



## Liquid Chemical Dispensing Systems (LCD)

**Maximize Chemical Savings:** Achieve significant cost reduction through precise and repeatable dispensing cycles.

**Improve Right First Time (RFT):** Minimize costly re-dyeing and corrections by maintaining consistent chemical ratios.

**Boost Production Efficiency:** Reduce preparation times drastically, allowing for higher machine utilization and faster cycles.

**Lower Operational Costs:** Reduce labor dependency and manual handling, mitigating the risk of human-induced errors.

**Data-Driven Accountability:** Access comprehensive dosing logs to monitor performance and ensure process stability.



### **High Precision & Repeatability**

Advanced flow-meter technology ensures that every drop counts, eliminating dosing variations across all batches.



### **Resource Optimization**

Engineered to minimize chemical waste and optimize consumption, directly contributing to your bottom line and sustainability goals.



### **Full Digital Traceability**

Eliminates dosing variations with advanced flow-meter technology, ensuring the exact amount every time.



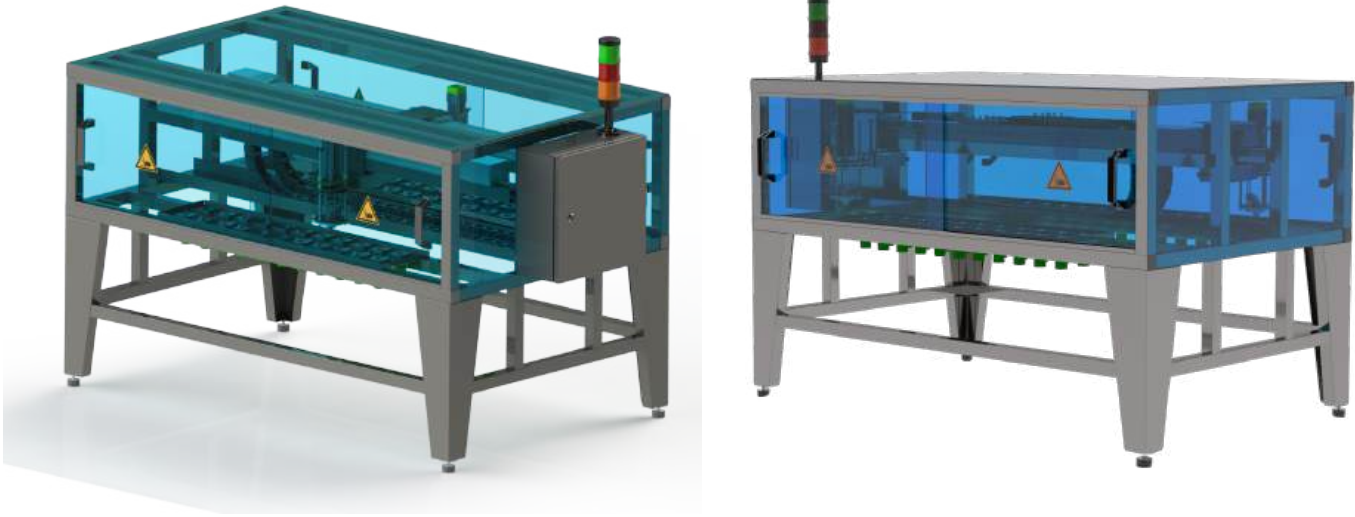
## Powder Dye Dissolving and Dispensing Systems (PDD)

**Ensures Accurate Dissolving & Dispensing:** Precision-controlled systems guarantee the correct concentration and seamless transfer of powder dyes to the production line.

**Improves Dye Preparation Quality:** By automating the mixing and heating parameters, PDD creates a more stable chemical environment for superior dyeing results.

**Supports “Right First Time” (RFT):** Drastically reduces formulation inconsistencies and human-induced weighing errors, ensuring color accuracy from the very first batch.

**Increases Dye Kitchen Efficiency:** Streamlines daily operations by automating labor-intensive tasks, allowing your team to focus on higher-value production steps.



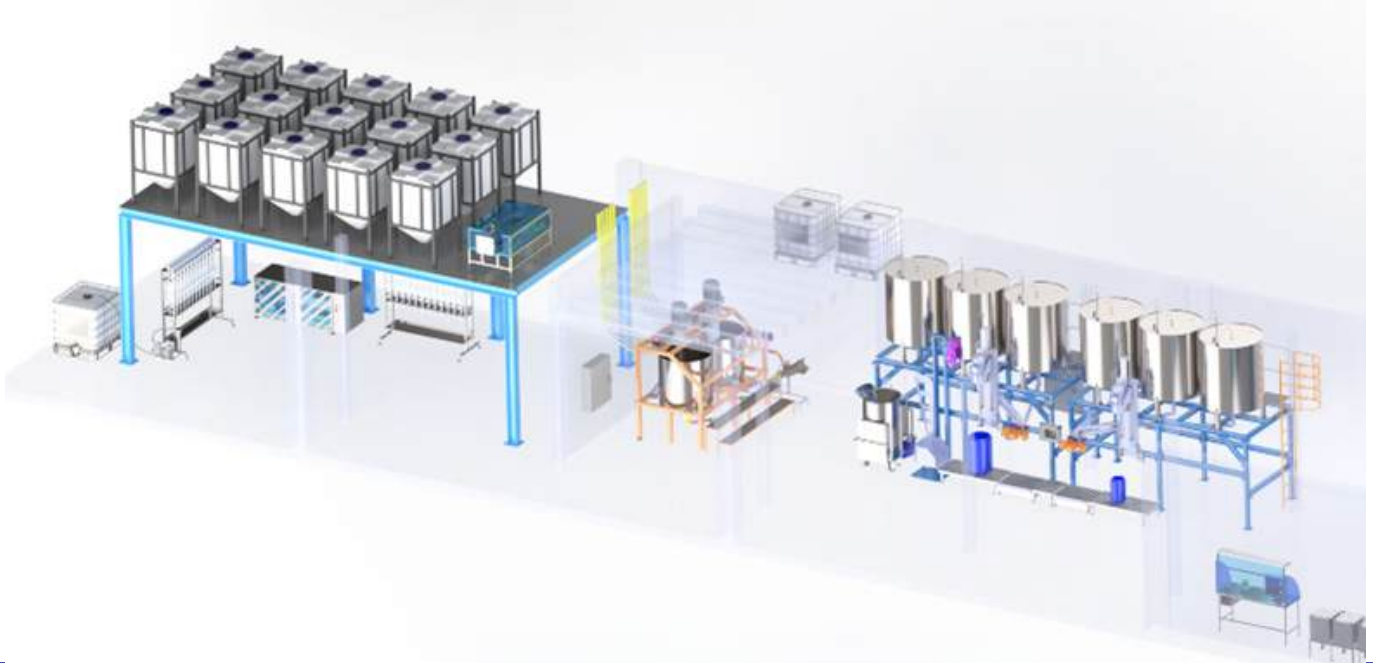
## Robotic Dispensing Solutions (RD)

**Delivers High-Precision Dispensing:** Advanced robotic automation ensures that even the most complex recipes are prepared with absolute precision.

**Improves Consistency & Repeatability:** Standardizes the dispensing process across all production shifts, resulting in stable and predictable dyeing quality.

**Reduces Human Error:** Limits manual intervention in critical weighing and dosing processes, drastically cutting down on costly formulation mistakes.

**Accelerates Handling & Transfer:** High-speed robotic movement optimizes transfer operations, leading to significantly higher productivity and faster batch turnovers.



## Printing Paste Preparation Unit Storage and Dosing Systems (PCK)

**Accurate Paste Management:** Integrated solution for precise storage, preparation, and dosing.

**Superior Recipe Consistency:** Ensures perfect repeatability and high print quality in every run.

**Faster Production Flow:** Drastically reduces preparation time to increase machine uptime.

**Minimized Material Waste:** Precision dosing limits waste and eliminates operator deviations.

**Full Batch Traceability:** Provides complete control and recorded data for all printing operations.



### **Printing Consistency**

Standardizes the preparation and dosing of printing pastes to ensure perfect viscosity and color intensity in every meter of fabric.



### **Minimized Material Waste**

Precision dosing technology ensures that only the required amount of paste is prepared, significantly lowering material costs and environmental impact.



### **High Precision & Repeatability:**

Eliminates dosing variations with advanced flow-meter technology, ensuring the exact amount every time.



## Pigment Dye Dosing Automation (LPD)

**Precise Pigment Dosing:** Ensures stable and repeatable color results in every application.

**Support Right First Time:** Improves consistency to eliminate costly re-dyeing processes.

**Reduced Consumption:** Minimizes material losses and prevents unnecessary chemical waste.

**Lower Labor Requirements:** Speeds up preparation while reducing manual intervention.

**Enhanced Traceability:** Provides full operational control and batch records for all applications.



### **Precision Color Stability**

High-accuracy dosing technology ensures consistent color depth and tone across every production batch.



### **Material Loss Prevention**

Specifically engineered to handle pigment viscosity, eliminating drips and unnecessary chemical waste.



### **Advanced Process Control**

Continuous monitoring of dosing flow rates provides immediate feedback and stabilizes the entire process.



## Automated Dye Storage Systems (RS)

**Efficient Workflow:** Speeds up material access to boost overall internal logistics.

**Superior Stock Control:** Strengthens inventory management and eliminates mix-up risks.

**Usage Traceability:** Supports full history tracking for every stored dye and chemical.

**Optimized Floor Space:** Creates more room through an organized and vertical structure.

**Operational Speed:** Improves dye kitchen logistics to support faster production cycles.



## Powder Chemicals Dosing & Dispensing Units (BRD)

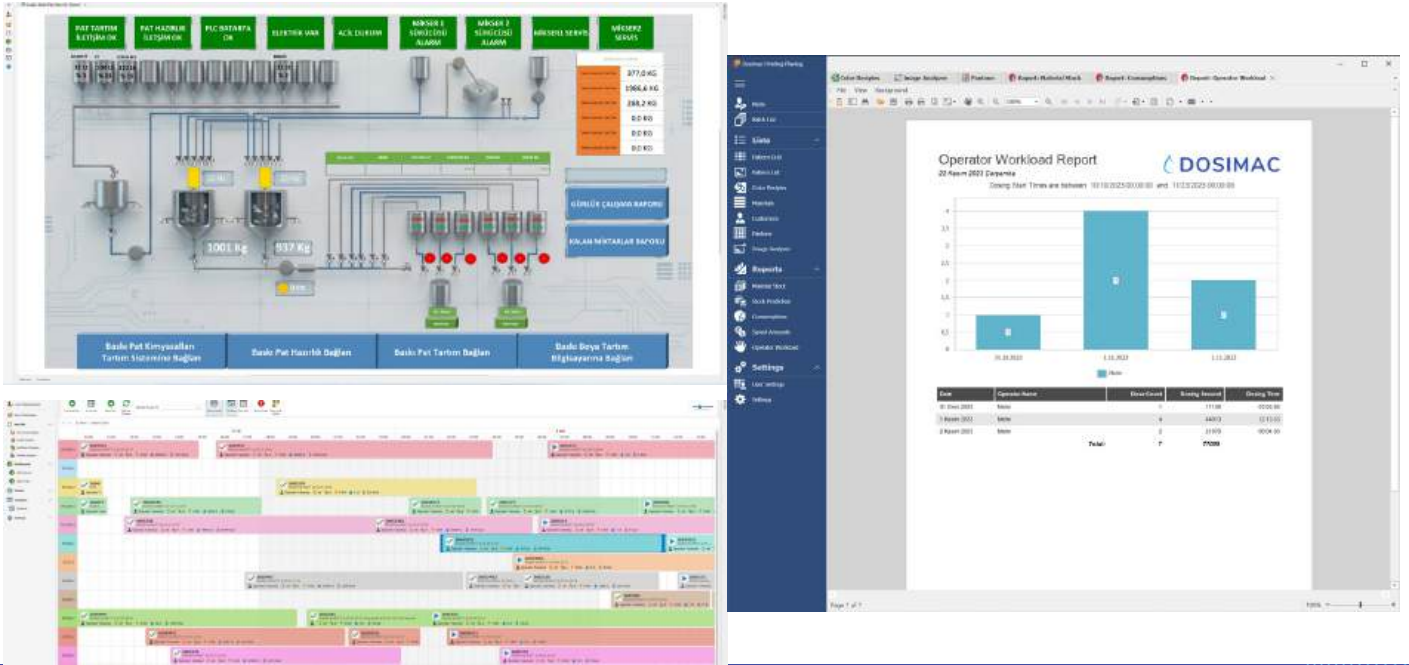
**Superior Solution Quality:** Maintains high standards through controlled and automated preparation.

**Minimized Material Loss:** Reduces waste through precise and real-time concentration management.

**Reliable Production Results:** Standardizes feeding processes to ensure stable dyeing outcomes.

**Significant Labor Savings:** Increases efficiency by automating heavy and repetitive manual tasks.

**Enhanced Sustainability:** Supports better energy and water efficiency while reducing rework.



# DOSIMAC MISS Management Information Software System

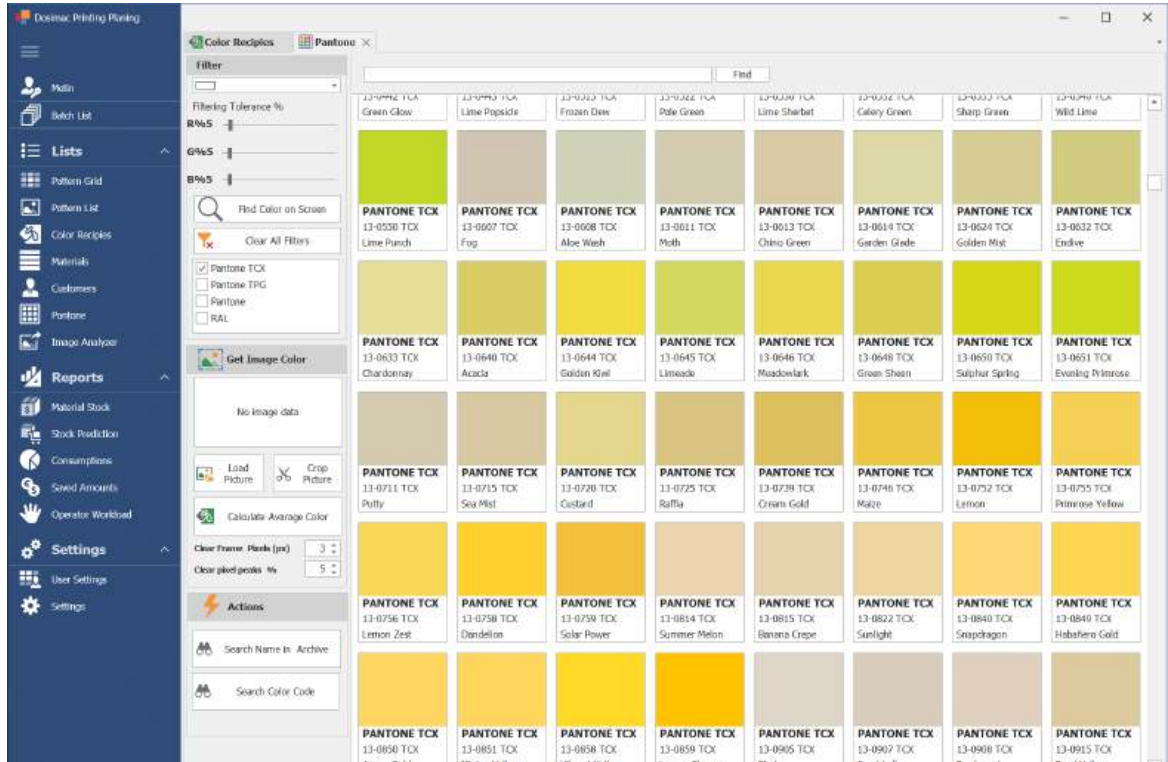
**Centralized Monitoring:** Complete visibility over all operations from a single digital hub.

**100% Backward Traceability:** Detailed logs for every recipe, dosing cycle, and batch record.

**Accurate Production Planning:** Strengthens reporting precision and overall operational control.

**Performance Optimization:** Supports data-driven decisions to boost efficiency across the facility.

**Future-Proof Technology:** Digital infrastructure ready for advanced AI and predictive analytics.



### Complete Operational Visibility

Provides a real-time, centralized overview of every process, from recipe management to final delivery.



### AI-Ready Infrastructure

A powerful digital foundation designed to integrate advanced analytics and AI-driven process optimization.



### Data-Driven Intelligence

Transforms raw production data into actionable insights to continuously improve efficiency and scalability.





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