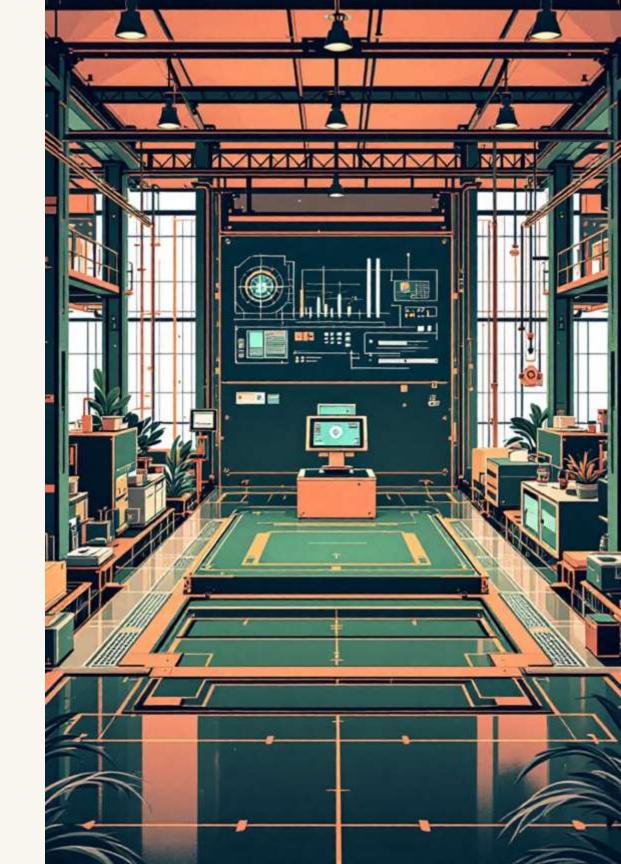# Manufacturing Operations Platform

A comprehensive digital solution connecting operators, agents, and machinery for seamless production management and quality control.

Three Core Access Levels

Sign-Up Portal

Secure registration system for new users with role-based authentication and profile management capabilities.

Agent Login

Administrative access for supervisors to manage data, monitor operations, and control machine information across the facility.
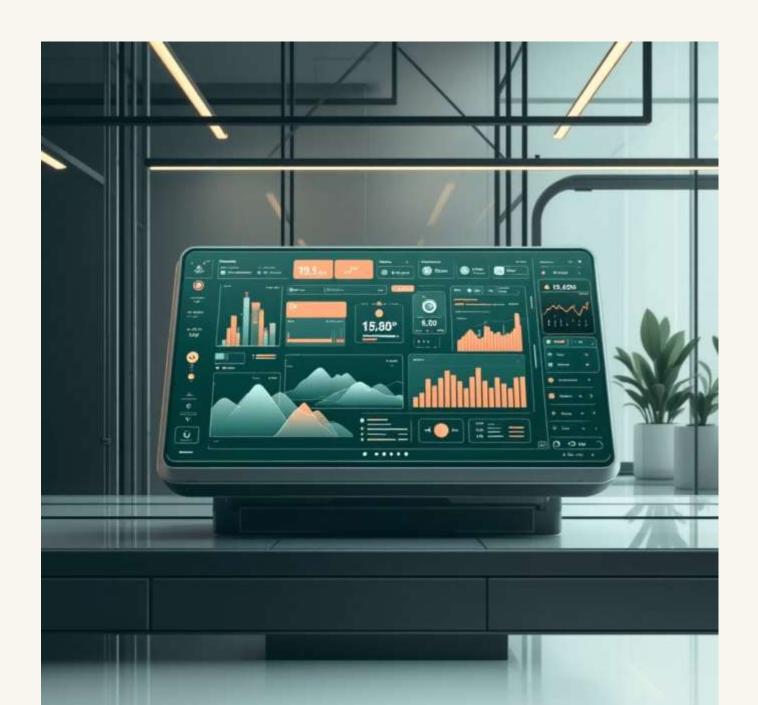
Machine Login

Operator interface providing real-time access to work instructions, quality standards, and production documentation.

Machine Login Interface

Nine Essential Operational Modules

The machine login provides operators with immediate access to critical production resources through an intuitive tabbed interface designed for the factory floor.

Key features: Visual documentation, standardised procedures, quality checklists, and real-time operational support—all accessible at the point of work.

Core Documentation Tabs

1
Work Instructions Step-by-step procedures with visual guides ensuring consistent execution of manufacturing processes.

2
One Point Lesson Quick training modules highlighting critical process points, safety tips, and best practices in digestible formats.

3
Document Centralised repository for policies, procedures, and reference materials accessible directly from the production line.

4
Do-Don'ts Clear visual guidelines showing correct procedures alongside common mistakes to avoid during operations.

Technical & Quality Modules

Drawings

Technical drawings, blueprints, and specifications displayed in high resolution for precise manufacturing guidance.

Check Sheet

Digital inspection forms and quality verification checklists ensuring compliance with production standards.

Skill Matrix

Comprehensive overview of operator competencies, certifications, and training requirements for each workstation.

Training

Interactive learning modules and certification tracking for continuous workforce development and skill enhancement.

Quality & Alert Systems

Quality Module

Real-time quality metrics, defect tracking, and statistical process control data empowering operators to maintain excellence throughout production cycles.

Andon System

Visual management tool enabling immediate communication of production issues, triggering rapid response protocols and minimising downtime.

Agent Login: Administrative Control

Whilst the machine login displays information in visual, image-based formats optimised for quick reference, the agent login presents the same content as **structured data tables** for comprehensive management and analysis.

This dual-format approach ensures operators receive visual guidance whilst administrators access detailed data for oversight and decision-making.

Agent Capabilities: Complete Data Control

Search Machine Data

Powerful search functionality across all machines, filtering by module, date, or specific parameters to locate information instantly.

Edit Records

Modify work instructions, update documentation, and refine procedures with version control and approval workflows.

Delete Entries

Remove outdated or incorrect information with proper authorisation, maintaining data accuracy and system integrity.

Agents maintain full administrative control whilst machines display read-only operational content, ensuring data governance and production continuity.

Key System Architecture

Centralised Database

Single source of truth storing all documentation, instructions, and operational data.

Real-Time Synchronisation

Changes made by agents instantly propagate to all machine login interfaces across the facility.

Role-Based Display

Content automatically formatted—visual for machines, tabular for agents—based on login type.

Transform Your Operations

Benefits Delivered

- **Reduced training time** through visual, accessible documentation

- **Improved quality** with standardised procedures and real-time guidance

- **Enhanced compliance** via comprehensive audit trails and version control

- **Faster response** to production issues through Andon integration

- **Centralised management** enabling efficient data oversight and control

Ready to modernise your manufacturing operations?