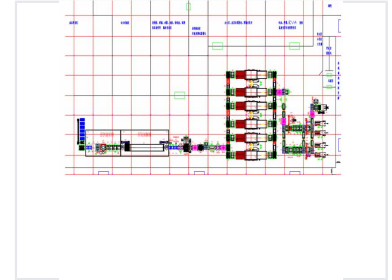


Automated Solar Module Assembly Line with MES

This is a fully automated assembly line for solar modules. It is equipped with a Manufacturing Execution System (MES) and technology package to optimize production.



System Overview

Comprehensive Solar Module Assembly

This fully automated assembly line is designed for high-efficiency solar cell and module production. It integrates a Manufacturing Execution System (MES) to ensure precision, traceability, and optimized facility management. The turnkey solution supports the entire factory building process, from initial setup to production optimization.

System Capabilities

Automation Level

Fully Automated • MES Integrated • Turnkey Solution

Key Features

- Automated material loading and unloading
- Advanced robotic handling
- Integrated manufacturing execution system (MES)
- Modular layout design
- Pre-processing and finishing zones

System Layout

Operational Zones

Zone Name	Function
Automatic Loading/Unloading	Material handling and input/output
Pre-processing	Initial component preparation
Robotic Handling	Precision positioning and assembly
Product Storage	Finished and semi-finished goods management