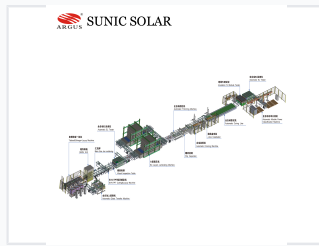


Photovoltaic Module Assembly Line

This automated assembly line produces photovoltaic (PV) modules through various integrated processes, including tabbing, stringing, and lamination. It ensures efficient solar panel production with automatic glass transfer, precise cutting, multi-layer lamination, and integrated quality control.



ADDITIONAL IMAGES



Product Overview

Turnkey PV Module Manufacturing

This modular photovoltaic module assembly line offers a complete, scalable solution for high-efficiency solar panel production. Designed for manufacturers ranging from 10MW to 1GW capacity, the system integrates advanced automation across all stages, from material layup to final power classification. With support for Industry 4.0 standards, it includes an intelligent management system to optimize production efficiency, data connectivity, and quality control.

Technical Capabilities

Integrated Manufacturing Processes

- Automatic glass transfer
- Tabbing and stringing
- EVA/TPT cutting and layup
- Multi-layer lamination
- Trimming and framing
- Junction box installation
- EL and visual inspection
- Insulation and IV testing
- Power classification

Performance Metrics

Production Capacity

10 MW

Minimum Capacity

1 GW

Maximum Capacity

System Features

Smart Factory Compliance

Industry 4.0, ERP Integration, Data Platform Support, Scalable Design

Service & Support

Included Services

- Project report and factory layout design
- Manpower recruitment support
- In-house and onsite expert training
- Complete process and technical service support