

Automated Pulp Molding Tableware Production Line

This automated pulp molding machine is designed for producing disposable tableware. The system integrates pulp molding, robotic handling, and automated stacking to efficiently manufacture eco-friendly plates, bowls, and containers.



ADDITIONAL IMAGES



Product Overview

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This fully automatic intelligent production line integrates advanced robotics with a precision molding system to transform plant fiber pulp into high-quality disposable tableware. Designed for efficiency and sustainability, the system utilizes raw materials such as reed, straw, bagasse, bamboo, and wood to create biodegradable products. With PLC-controlled operations and automated handling, it provides a flexible, safe, and stable solution for the food processing and catering industries.

Performance Metrics

Key Performance Indicators

600 kg/day

Design Capacity

28 tons

Max Boost Pressure

100 mm

Max Product Height

Technical Specifications

Compatible Raw Materials

- Reed
- Straw
- Bagasse
- Bamboo
- Wood pulp

Template Dimensions

880 x 880 mm

Heating Options

Thermal oil, Electric, Steam

Equipment Composition

System Components

| Component | Quantity |
|-------------------------------|----------|
| Six-axis Robot | 1 |
| Four-axis Robot | 1 |
| Reciprocating Molding Machine | 1 |
| Hot Pressing Machine | 2 |
| Automatic Trimming Machine | 1 |
| Automatic Counting Stacker | 1 |

Operations

| | |
|-----------------|-------------------------------------------------|
| Control System | PLC + touch screen control (Siemens components) |
| Transfer Method | External robot automatic transfer |

Applications

Applicable Industries

Food processing • Food supply • Catering