

Automatic Inner Liner Production System for Chest Freezers

This system provides fully automatic production of chest freezer inner liners without the need for manual operators. It delivers high-speed output and ensures consistent product quality with automatic changeover capabilities.



ADDITIONAL IMAGES



System Overview

High-Efficiency Production System

This automatic production system is engineered for the high-speed manufacturing of chest freezer inner liners. It utilizes a fully integrated process flow, from component production and assembly to automatic tube winding and welding. Designed for industrial scalability, the system features advanced buffering and automated model identification to ensure consistent output and minimal downtime during model changes.

Performance Metrics

Capacity

20 s

Cycle Time per Liner

900 pcs

Buffer Capacity (Min)

12 models

Models Handled per Day

Operational Flexibility

Model Changeover Times

Section	Condition	Time
Metal/Assembly Line	General	60s
Winding Section	Width/Length diff < 100mm	60s
Winding Section	Complete plug change	3-4min

Min. Loading Quantity

50 pcs

Key Features

Core Capabilities

Automatic Glue Application, Resistance Welding, Automatic Shuttle System, Automatic Model Identification, Corner Flanging, Automated Buffer Storage

Equipment List

Included Machinery

- Automatic line for left side inner liner production
- Automatic line for right side inner liner production
- Automatic line for bottom production
- Automatic machine for side parts assembly
- Automatic machine for cabinet and bottom assembly
- Automatic shuttle system for clinching lines loading
- Automatic clinching line
- Conveyor system
- Automatic winding machine
- Welding machine
- Automatic buffer storage