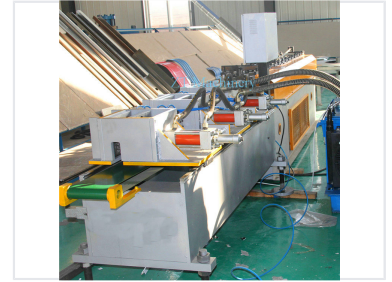
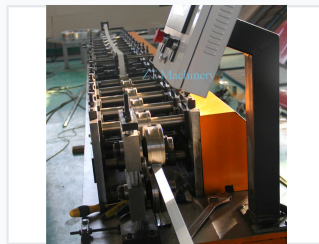
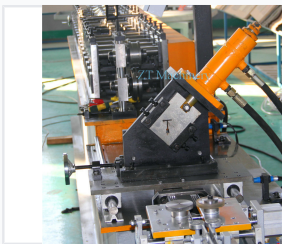


Ceiling T-Grid Roll Forming Machine

This automated machine produces ceiling T-grids for suspended ceiling systems. It performs punching and cutting automatically with a PLC control system.



ADDITIONAL IMAGES



Overview

High-Speed Ceiling T-Grid Production

This automatic roll forming machine is designed for the high-speed production of interchangeable Main T and Cross T ceiling grids. It features a fully automated workflow including punching and cutting, ensuring high precision and efficiency for suspended ceiling manufacturing. The system is powered by a Delta PLC control system to maintain stability and long-term operational reliability.

Performance Metrics

Production Speed

30 m/min

Main T Line Speed

30 m/min

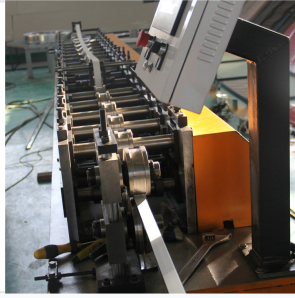
Cross T Line Speed

Technical Specifications

Decoiler Parameters

Feature	Specification
Loading Capacity	3 Tons
Uncoiling Width	500mm
Inner Diameter	450-550mm
Uncoiling Type	Passive turntable

Forming System



Precision-engineered rollers and integrated control interface for managing the forming process.

Roll Forming Details

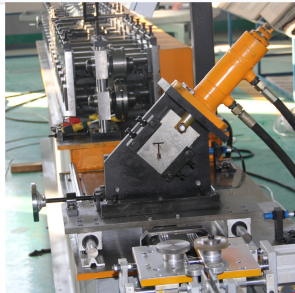
- Roller Fixer: Guide column
- Frame: Middle plate welded Memorial arch frame
- Drive Mode: Gear driven
- Shaft Diameter: 40mm
- Integrated feeding and flattening unit

Control & Automation

Control System Components

Delta PLC, Delta Transducer, Delta Touch Panel, Servo Trace System, Inverter Motor, Photoelectric Stroke Switch

Shearing & Punching



Hydraulic-powered station responsible for high-speed automatic punching and precision cutting.

Shearing & Punching Unit

- Power Supply: Hydraulic
- Frame Style: Pillar style with rack & pinion
- Automation: Simultaneous head and middle hole punching
- Cutting: Automatic post-forming cut-off

Safety & Convenience

Safety Features

Movable Switch • Air Break • Radiator • Transformer • Electric Leakage Protector

System Components



The complete automated production line featuring robust frame construction and multiple forming stations.

Machine Composition

- Manual Decoiler
- Feeding Unit
- Main Roll Forming Machine
- Hydraulic Punching & Cutting Station
- Hydraulic Station
- Electric Control Cabinet
- Run Out Table