Self-Locking Profile Forming Machine

This self-lock forming machine is designed for creating self-locking profiles in metal sheets. It is ideal for manufacturing components that require secure, interlocking connections, enhancing structural integrity and ease of assembly.

ADDITIONAL IMAGES

Overview

Professional Self-Lock Forming Solution

This self-lock forming machine is a high-precision industrial tool designed for the efficient creation of interlocking metal profiles. Engineered with a robust frame and advanced PLC control, it offers stable performance for consistent production of roofing panels and cladding. The machine is fully equipped with an uncoiler, shearing device, and hydraulic station to provide a comprehensive, automated manufacturing workflow.

Performance Metrics

Key Performance Metrics

15 m/min	4000 kg	7 kW
Max Forming Speed	Total Weight	Total Power

Technical Specifications

Material Parameters

Parameter	Value/Range
Material Type	Color steel sheet
Thickness	0.3-0.7 mm
Yield Stress	230-300 Mpa

Mechanical and Electrical Details

- Roller material: 45# steel with chrome coating
- Driven type: Chain transmission
- Control system: PLC with touch screen interface
- Hydraulic system pressure: 12 Mpa
- Main motor power: 3 kW
- Hydraulic station power: 4 kW

Capabilities

Industrial Applications	Roofing Panels, Cladding, Structural Components, Metal Profiles