

Light Steel Frame Automatic Forming Machine

This automatic forming machine is designed for producing light steel frame components. It automates the shaping and forming of steel for light steel villa construction, ensuring precision and efficiency.



ADDITIONAL IMAGES



Overview

High-Precision Light Steel Frame Production

This automatic forming machine is engineered for the high-volume production of light steel frame structural elements. Featuring advanced post-punching capabilities, it ensures exceptional precision in both positioning and dimensions for residential construction components. The system integrates multiple specialized molding tools to streamline assembly and installation, delivering consistent, high-quality profiles ready for seamless structural connection.

Technical Specifications

Punching Method	Post Punching
Die Material	SKD11
Cutting Method	Forming Cutter, Blanking shear with three blades
Blade Material	SKD11
Surface Treatment	CNC semi-finishing, Vacuum treatment to 58-60HRC, CNC refining

Tooling Configuration

Integrated Moulding Tools

Tool Name	Specification	Quantity	Function/Benefit
Lip notch tool	12x50	2	Easy for Install
Dimple hole mould	\$3.3	2	Screw using
Installing hole mould	\$13	1	Sill Anchor Using
Service hole mould	60x30	1	Water/Electric Wire Using
Web notch mould	89x50	1	Easy for Install
Chamfering mould	45°	2	Easy for Install
Web swaging mould	-	1	Easy for Install
Forming cutter	-	1	Profile more standard
Patent Seamless End Cutting mould	-	1	Wall/Purlin connection without gap