

Article Overview

Fully automatic forming machines for trough-type cable trays provide integrated roll forming, punching, and cutting with high precision and efficiency.

Overview

Automatic forming machines for trough-type cable trays are industrial solutions designed to produce high-quality cable trays efficiently. These machines integrate multiple processes--feeding, leveling, punching, cutting, forming, and discharging--into a single automated production line, ensuring consistent dimensions, smooth edges, and minimal manual labor ().

Key Features

- o High Automation: Equipped with PLC control systems, these machines allow easy adjustment, high safety, and stable operation ().
- o Material Compatibility: Can process various metals including hot-dip galvanized steel, pre-galvanized steel, stainless steel, aluminum, and cold-rolled steel, with thickness ranges typically from 0.6mm to 2mm ().
- o Versatility: By changing molds, the machines can produce trough, ladder, perforated, and solid-bottom cable trays, accommodating different widths and lengths ().
- o Integrated Processes: Combines roll forming, hydraulic punching, and cutting in one line, reducing production time and improving precision ().
- o Durability and Maintenance: Built with high-quality steel components and durable rollers, ensuring long service life and low failure rates even under continuous operation ().
- o Production Efficiency: Designed for large-scale industrial and commercial applications, including factories, power plants, office buildings, and infrastructure projects ().

Advantages

- o Consistent Quality: Automated forming ensures uniform tray dimensions and smooth edges.
- o Labor Reduction: Minimal manual intervention is required, reducing labor costs.
- o Flexible Customization: Machines can be configured for different tray widths, thicknesses, and perforation patterns.
- o High-Speed Operation: Capable of continuous production with minimal downtime due to fast size changeover and integrated hydraulic systems ().

Applications



Automatic forming machine for trough-type cable trays

These machines are widely used in electrical wiring systems, industrial cable management, and large-scale infrastructure projects, providing strong, corrosion-resistant, and high-quality cable tray systems that meet international standards ().

Conclusion

For manufacturers and contractors aiming to boost productivity and maintain high-quality standards, fully automatic forming machines for trough-type cable trays offer a reliable, efficient, and versatile solution. They combine precision engineering, automation, and durability to support large-scale cable tray production with minimal operational complexity ().

Whether for standard or customized cable tray production, this machine offers reliable performance and flexible adaptability to meet

We design and manufacture high-speed, fully automatic machines for producing various cable trays, such as channel cable trays,

HCM-600 Cable Tray Automatic Production Line is a cable tray roll forming line that adopts metal sheet

HOPEX Automatic Cable Tray Forming Machine: continuous rolling & online punching, high precision,

Efficient cable tray roll forming machine for producing perforated or solid cable trays. Fully automatic, high

Cable Tray Making Machine 12 Working Principle of Cable Tray Making Machines The

High-precision cable tray roll forming machine for trough type trays. Automatic forming, punching, and

The High-Accuracy Automatic Cable Tray Roll Forming Machine is an all-in-one fully automated production equipment developed

Cable Tray Making Machine 12 Working Principle of Cable Tray Making Machines The working principle involves uncoiling the raw

Different Speed Solutions We offer alternative solutions on our cable tray production line, for matching different speed levels on our

By adjusting parameters and matching different molds, it can produce trough type, ladder type, perforated type and fireproof cable



Automatic forming machine for trough-type cable trays

Cable Tray Roll Forming Machine can produce cable trays with different sizes, thickness, and from different materials, SS, CR, GI,

What is a High-Accuracy Automatic Cable Tray Roll Forming Machine? Are you curious how standardized, uniform, and stable-load

Utilize cutting-edge roll forming technology to create precise, high-quality cable trays. Feature automatic

Efficient cable tray manufacturing machine for trough type trays. Automatic forming, punching, and cutting

Cable tray forming machine is a specialized equipment used for producing cable trays. It cuts metal plates into different specifications

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