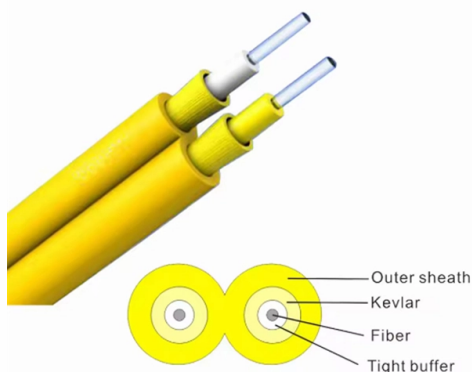


Cable tray stamping die



Overview

315-Ton Stamping Press with Decoiler Straightener Feeder for Cable Cable tray bottom plates require several forming processes, including rib forming, shapi.

Key Takeaways

A cable tray stamping die is a specialized tool used to punch, emboss, or shape metal sheets into cable tray sections with precision and consistency.

Overview

Cable tray stamping dies are essential components in the manufacturing of cable trays, which are used to support and route electrical cables in industrial and commercial installations . These dies are designed to work with press machines or roll forming machines, performing operations such as punching holes, cutting, bending, and embossing logos or identification marks . They ensure that each tray section meets precise dimensions and structural requirements.

Types of Stamping Dies

- **Punching Dies:** Used to create holes or slots in cable tray sections for mounting, ventilation, or assembly purposes. These dies are often integrated into automated cable tray machines for high-speed production .
- **Embossing Dies:** Applied to the side walls of cable trays to imprint logos, project codes, or system identification text. Properly designed embossing dies do not compromise the tray's structural integrity or corrosion resistance .

- **Progressive Stamping Dies:** These dies perform multiple operations in a single pass, such as punching, bending, and cutting, which increases efficiency and consistency in high-volume production .

Materials and Compatibility

Cable tray stamping dies are compatible with various tray materials, including:

- Pre-galvanized steel
- Hot-dip galvanized steel
- Aluminum
- Stainless steel

The dies are designed to maintain mechanical strength and corrosion protection, with embossing or punching carefully positioned away from load-bearing zones and connection areas.

Customization and Integration

Manufacturers often provide customized dies to meet specific project requirements, including:

- Custom shapes and hole patterns
- Logo or text embossing
- Progressive die setups for automated production lines

These dies are integrated into cable tray roll forming machines or turret punch presses, allowing for automated, high-precision production with minimal manual intervention . Advanced machines may include automated die changing systems to switch between different tray designs efficiently.

Benefits

- Ensures uniformity and precision in cable tray production
- Supports high-volume manufacturing with reduced labor
- Allows branding or identification through embossing without affecting tray performance
- Compatible with multiple materials and tray types, including ladder, solid, and ventilated channel designs

In summary, cable tray stamping dies are critical for producing high-quality, durable, and precisely shaped cable trays, with options for customization, embossing, and integration into automated manufacturing systems.

Article Content

315-Ton Stamping Press with Decoiler Straightener Feeder for Cable

Cable tray bottom plates require several forming processes, including rib forming, shaping, and fixed-length cutting. For customers

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Plan an economical cable tray splice plate stamping line for multi-hole connectors, covering coil feeding, press interfaces, burr

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China Cable Tray, Stamping, Metal Stamping of Assembled Series, Metal Stamping of Assembled Series, Metal Bracket for

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Bottom line: A practical cable tray splice plate stamping line can use a decoiler, straightener and feeder to supply strip to a customer

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Cable Tray Roll Forming Machine

A Cable Tray Roll Forming Machine is a high-performance production line designed to manufacture metal cable trays used for

Cable Tray Punching Machine

The cable tray machine is a specialized production equipment designed for manufacturing various specifications and models of cable

Rotary Punch Cable Tray Production Line

In the production and fabrication of cable tray, rotary punch machine is used instead of eccentric press, hydraulic press and

Hot Stamping

Hot stamping is a permanent, dry-printing method for cable identification. Custom identifications are printed onto the wire with a

Custom Logo Embossing on Straight Cable Tray Sections

Applied to the side wall of straight cable tray sections Formed using a dedicated stamping or embossing die Integrated

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