Parameter Table of Integrated Cable Tray Molding Machine



Overview

Cable Tray Roll Forming MachineThis cable channel production line will be combined with automatic hydraulic decoiler, leveling system, hydraulic punch mach.

Key Takeaways

Integrated Cable Tray Molding Machines are designed to produce cable trays with widths of 50–1200 mm, thicknesses of 0. 4–3. 0 mm, and heights of 20–150 mm, featuring automated feeding, punching, roll forming, and cutting systems.

Key Parameters and SpecificationsParameterSpecificationMachine TypeIntegrated Cable Tray Roll Forming / Molding MachineMaterial CompatibilityGalvanized steel, stainless steel, pre-painted steel, aluminumMaterial Thickness0. 4–3. 0 mm (depending on machine model)Tray Width50–1200 mm (customizable)Tray Height / Flange20–150 mmTray LengthTypically 3–6 meters (adjustable)Coil Inner Diameter (ID)508–610 mmMaximum Coil WeightUp to 5 tonsProduction Line WorkflowDecoiling → Leveling → Punching & Notching → Storage → Roll Forming → Straightening → Cutting → OutputPunching SystemCNC-controlled, customizable hole patterns for ventilation and heat dissipation; reduces cable temperature rise by 15–20%Feeding SystemServo motor-controlled feeder with unwinder, mobile loader, and precision straightener for high-precision continuous feedingControl SystemPLC intelligent control panel with human-machine interface for parameter setting, production monitoring, and fault diagnosisForming Accuracy±0.

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2 mmAutomation LevelSemi-automatic to fully automatic, including AC frequency conversion speed regulation and automatic decoilingTray Types ProducedLadder type, ventilated channel, solid channel, wire mesh, center spine designsOptional FeaturesCenter spine forming, embossing, automatic welding, cutting stations, motorized or semi-automatic operation, quick die change for different tray designsAdditional NotesThe machine frame is typically cantilever type, made from welded steel plates, with hydraulic devices for radial tension adjustment. Roll forming stations and dies are customized to produce precise tray profiles, including ladder rungs, solid bottoms, or ventilated channels.

The line supports customized tray dimensions and can adapt to different production requirements, including high-volume industrial applications or specialized tray designs. Advanced machines allow automated die changes and integration of cutting, punching, and welding units for continuous production. This parameter table provides a comprehensive overview of the capabilities and specifications of integrated cable tray molding machines, suitable for industrial-scale cable management production.

Article Content

Cable Tray Roll Forming Machine

This cable channel production line will be combined with automatic hydraulic decoiler, leveling system, hydraulic punch machine with dies, roll forming

Automatic Cable Tray Roll Forming Machine, Cable Tray Machine ...

The support table put after the cutter of main machine, it mainly consists of a single side adjustable guide roll group and roll wheel mounted at an inclined angle, each of four rollers is assembled on the

Introduction to the Functions of Cable Tray Molding Machines

Detailed specifications of its key functions are provided below. The equipment features a closed-loop integrated production line that enables fully automated processing from raw materials to finished

Cable tray Roll Forming Machine quotation.pdf

The document is a detailed quotation for a cable tray roll forming machine, including specifications for various components like the de-coiler, leveling machine, punching machine, and forming machine.

Cable Tray Roll Forming Machine | Cable Tray Making Machine

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

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Cable Tray Production Line | Cable Tray Roll Forming

The entire set of equipment adopts PLC control system and servo drive technology, and can set parameters according to the cable tray specifications (including

Cable tray and cover profile rolling forming machine

With its high production efficiency and flexible customization capabilities, this cable tray rolling forming machine has become a preferred equipment in the cable tray processing field.

Cable Tray Technical Guide A practical guide to product selection and ...

In designing supports for a cable tray system, consideration should be given to the loads associated with future cable additions and any additional loading that may be applied to the cable tray system (e.g.,

GUIDE CABLE TRAYS TECHNICAL

If it has excellent electrical continuity and is integrated in the installation''s equipotential bonding system, a metal cable tray reduces the coupling''s impact and thus contributes to good EMC of the electrical

Cable Tray Roll Forming Machine

The components of the fully automatic cable tray roll forming machine include metal uncoiler, leveling machine, feeder, punching machine, cold roll forming

Comprehensive Guide to Cable Tray Production

Table of Contents What is Cable Tray Production Equipment? Cable tray production equipment refers to the machinery and tools used to manufacture

Cable Tray Production Line | Cable Tray Roll Forming

The cable tray production line is an intelligent mechanical integrated system designed for the production of cable tray systems, which realizes the precise

Robust parameter search for IC tray injection molding usi...

Quality consistency is essential in maximizing the productivity rate of the injection molding process and minimizing the production cost. The quality consistency problem is particularly acute in the case of

Cable Tray Making Machine

Cable trays come in many sizes and designs – ladder type, ventilated channel type, solid channel type, wire mesh type etc. The cable tray making machine has customized dies and tooling

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Injection molding process parameters. | Download Scientific Diagram

Table 1 lists the process parameters for the injection molding of the IC tray. The injection speed ranged from 40 to 120 mm/s, and the first-stage holding pressure ranged from 40 to 100 MPa. ...

Automatic Cable Tray Roll Forming Machine, Cable Tray Machine ...

HCM-600 Cable Tray Automatic Production Line is a cable tray roll forming line that adopts metal sheet coils as raw material. It forms the sheet into specific shapes and specifications through decoiling,

Injection Molding Parameter Setup Sheet | PDF

This molding condition sheet provides processing parameters for molding a specific part including: - Tool and machine numbers, material type and grade, clamp tonnage and positions - Injection settings like

IEC Standard for Cable Tray: Complete Technical Guide

IEC Standard for Cable Tray: Complete Technical Guide The International Electrotechnical Commission (IEC) provides detailed guidelines for

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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