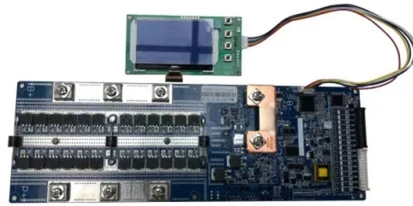


Equipment required for the production of distribution boxes



Article Overview

The production of distribution boxes requires a combination of cutting, forming, punching, bending, and surface treatment equipment, often integrated into an automated production line.

Key Equipment for Distribution Box Manufacturing

1. Material Preparation Equipment

- Uncoilers and Straighteners: Used to feed steel or stainless steel coils and ensure flat, tensioned material for processing .
- Quality Testing Tools: Thickness gauges, hardness testers, and corrosion resistance testers to verify raw material quality .
- 2. Cutting and Punching Machines
 - CNC Laser Cutting Machines: Precisely cut sheet metal into required shapes .
 - CNC Punching Machines: Create holes and notches for components like circuit breakers, switches, and cable entries .
 - Hydraulic Pre-Punching Devices: Often part of automated lines to prepare sheets for forming .
- 3. Forming and Bending Equipment
 - Roll Forming Machines: Shape metal sheets into box sides and panels .
 - CNC or Hydraulic Press Brakes: Bend metal accurately at specific angles for enclosure assembly .
 - Bending Devices: Integrated into production lines to cut and bend boxes to precise dimensions .
- 4. Surface Treatment Equipment
 - Powder Coating Systems: Apply uniform protective layers for corrosion resistance...

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Contact Us

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