

Imported Small Distribution Box Production Equipment



Overview

Distribution Box Production and Processing Equipment: Complete Distribution box production equipment is the core foundation of modern electrical enclosure.

Key Takeaways

Imported small distribution box production equipment typically includes fully automated roll forming and bending machines with PLC control, capable of producing high-quality electrical enclosures efficiently.

Overview of Equipment
Imported production lines for small distribution boxes are designed to manufacture metal enclosures such as wall-mounted or floor-standing electrical cabinets. These lines generally include:

- Uncoiler and straightening units to feed cold-rolled or galvanized steel coils.
- Servo feeders and hydraulic punching devices for pre-punching and notching.
- Roll forming machines for shaping the enclosure panels.
- Bending and cutting devices to finalize box dimensions.



- PLC control systems with LCD touch screens for automated operation, real-time monitoring, and fault detection .

Technical Specifications

- Production speed: 2–3 enclosures per minute, depending on size and specifications .
- Material compatibility: Cold-rolled steel, galvanized steel, stainless steel; tensile strength up to 780 MPa .
- Adjustable dimensions: Height 300–1200 mm, depth 160–400 mm .
- Power requirements: 380V $\pm 10\%$, three-phase, total power ~ 32 kW .
- Automation features: Manual and automatic modes, emergency stop, real-time parameter adjustment, and operator-friendly interface .
- Roller hardness: GCr15 rollers quenched to HRC60–65 for durability .

Advantages

- High efficiency and continuous production capability for 12-hour shifts.
- Ability to produce IP65 and IP66 rated enclosures, suitable for indoor and outdoor applications.
- Customizable to client drawings and specifications, including OEM branding and modular designs .
- Safety features and easy maintenance with manual override options.

Applications

Small distribution boxes produced by these lines are widely used in:

- Residential and commercial power distribution.
- Industrial automation and smart city infrastructure.
- Ports, airports, hospitals, warehouses, and factories.
- AC 50Hz, single-phase 240V, and three-phase 450V circuits with currents up to 250A .

Suppliers and Manufacturers

Several Chinese manufacturers provide imported or high-quality production equipment:

- Superda Electric: Offers automatic roll forming and bending lines with PLC control, capable of producing IP65/IP66 enclosures .
- Jinhua Dika Electric Co., Ltd.: High-tech enterprise with fully automated production lines, R&D center, and ISO9001/CE/CCC certifications, exporting globally .

- Made-in-China platforms: Provide access to multiple suppliers for distribution box production lines, including customization and OEM services .

Conclusion

Imported small distribution box production equipment is highly automated, efficient, and customizable, suitable for producing a wide range of electrical enclosures. When selecting equipment, consider production capacity, material compatibility, automation features, and supplier reliability to ensure high-quality output and long-term operational efficiency.

Article Content

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This production line is equipment for production of distribution boxes. The strip coil to be processed is

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Product Description Machinery for production electronic Sheet metal box roll forming

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Its business scope includes the production and sales of explosion-proof electrical equipment; Production, sales, and technical

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