

Price of Small Distribution Box Processing Equipment

Article Overview

Small distribution box processing equipment typically ranges from \$20,000 to \$150,000 depending on automation level, material compatibility, and production capacity.

Equipment Overview

Small distribution box processing equipment is designed to manufacture enclosures for circuit breakers, fuses, and wiring connections. These machines handle steel, galvanized steel, stainless steel, aluminum, and thermoplastics depending on the box type . Production lines can include uncoilers, straighteners, servo feeders, hydraulic punching devices, roll forming machines, and bending units . Fully automated lines can produce 2-3 enclosures per minute, with adjustable dimensions (height 300-1200mm, depth 160-400mm) to accommodate various box sizes .

Price Factors

- Automation Level: Manual-assisted lines are less expensive, while fully automated systems with integrated forming, punching, and bending are at the higher end of the price range .
- Material Compatibility: Equipment capable of processing high-strength steel or stainless steel costs more than machines designed for thermoplastics or aluminum .
- Production Capacity: Higher-speed lines with multiple forming stations and precision rollers increase cost due to advanced engineering and durability requirements .
- Customization and Features: Adjustable dimensions, modular tooling, and integration with labeling or quality control systems can raise the price .
- Certifications and Safety: Machines designed for hazardous environments or compliant with international standards (e.g., ATEX, IECEx) may carry additional costs .

Typical Price Range

- Basic manual or semi-automatic lines: \$20,000-\$50,000
- Mid-range automated lines: \$50,000-\$100,000
- High-end fully automated production lines: \$100,000-\$150,000 or more, depending on customization and production speed



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