

Price of well-known busbar processing machines

Article Overview

Busbar processing machines range from a few thousand dollars for manual units to over \$100,000 for fully automated CNC multifunction systems.

Price Ranges by Machine Type

- o Manual or Portable Hydraulic Bending Machines: Typically the most affordable, costing around \$3,000 to \$10,000, depending on bending capacity and tooling quality .
- o Semi-Automatic Hydraulic Machines: With digital controls and adjustable bending programs, prices generally range from \$15,000 to \$40,000 .
- o Full CNC Busbar Processing Machines: Integrated systems that combine punching, cutting, and bending can cost \$50,000 to over \$120,000, depending on production capacity, automation level, and precision features .

Factors Affecting Price

- o Machine Configuration: Single-operation machines (bending only) are cheaper than multifunction systems that handle punching, cutting, and bending in one unit .
- o Automation Level: Manual machines are low-cost but require more labor. CNC machines offer higher precision and faster production, increasing the price .
- o Material and Capacity: Machines designed for thicker copper or aluminum busbars need stronger frames, cylinders, and tooling, which raises costs .
- o Control Features: Digital displays, HMI panels, encoder-based angle control, and programmable bending sequences improve consistency but add to the initial investment .
- o OEM and Customization: Factory-direct or customized machines for bulk orders may offer cost savings per unit but require upfront negotiation and specification review .

Examples of Well-Known Machines

- o LiJian MX602K-8C CNC Busbar Punching & Shearing Unit: High-speed, servo-powered CNC system with multiple tools, typically priced in the \$80,000-\$120,000 range .
 - o LiJian NC 40ZB 1200 CNC Busbar Bender: 40-ton servo-powered bender with digital control, generally \$50,000-\$90,000 .
 - o 3-in-1 Hydraulic Busbar Machines: Combine cutting, punching, and bending for copper and aluminum bars, often \$30,000-\$70,000 depending on specifications .
- In summary, the price of busbar processing machines varies widely based on automation, multifunctionality, material capacity, and precision features. Buyers should evaluate their production needs and consider long-term efficiency and maintenance costs, not just the initial purchase price .



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