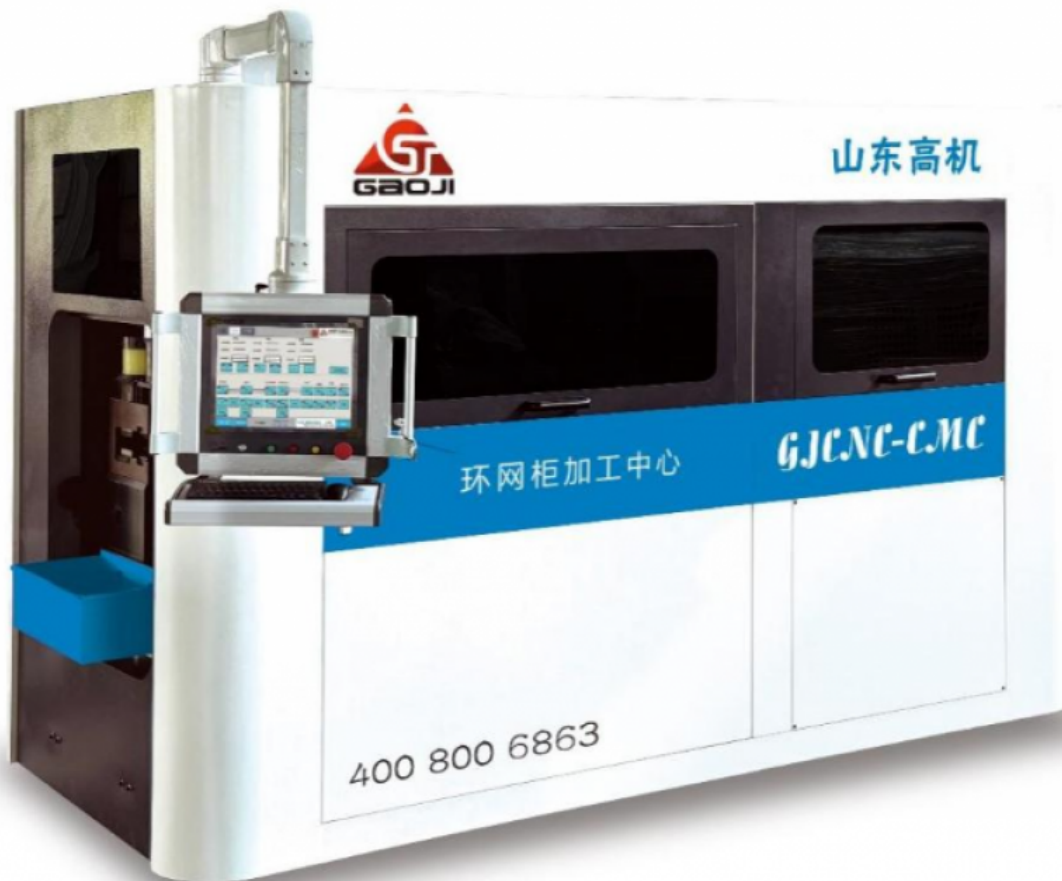


Gaoji Busbar processing series:Automatic CNC Copper Rod Processing Center



Jinan, Shandong Jun 15, 2026 (Issuewire.com) - The multifunction busbar processing machine, CNC busbar punching and shearing machine, CNC busbar servo bending machine, busbar arc machining center, CNC busbar press bending machine, etc. led by Shandong Gaoji Industrial Machinery Co., Ltd. are widely used in high and low voltage complete sets of enterprises and power transmission and distribution enterprises in the national power industry. Currently, the market share of Gaoji busbar processing equipment in the Chinese domestic market exceeds 70%, and it is also exported to countries such as Mexico, Uzbekistan, Turkey, and Russia.

This equipment integrates multiple copper rod processing functions such as busbar stamping, copper rod flattening, punching, busbar shearing and chamfering, and busbar bending. By combining with the processing part drawings and inputting processing data in advance, it automatically feeds the material and automatically rotates the angle. It has high processing accuracy and fast efficiency, and can achieve advantages such as one-time clamping, automatic continuous processing and forming of multiple workpieces. The clamping part adopts a wedge-shaped mechanism design, and the power is driven by a hydraulic cylinder. The rotation angle is transmitted by a servo motor to ensure reliable

clamping of the copper rod and accurate angle rotation. The copper rod busbar bending and auxiliary pressing parts adopt a linkage mechanism design, using the principle of levers to make the copper rod firmly clamped.

By using the human-machine interface, referring to the copper rod processing part drawings, inputting relevant parameters, the angle and data settings are simple, quick and highly accurate. The standard gas-filled cabinets and environmentally friendly cabinets drawings have been saved in the computer. The integrated design of copper rod busbar stamping, busbar cutting and breaking is carried out, and the mold frame structure is reduced. The distribution cabinet processing center is equipped with high-precision ball screws and linear guides, and the electrical components all adopt well-known brands from home and abroad, with long service life and quality guarantee.

The equipment is installed with an integrated cover. The safety protection during processing has been enhanced, ensuring the personal safety of operators. At the same time, multiple doors and windows are provided for easy mold replacement and maintenance. This equipment adopts the lifting of the bending part of the busbar while the clamps remain stationary. This prevents the entire raw material from deforming due to the lifting action, thus avoiding processing errors. The bending part of the busbar is driven by a servo motor reducer, enabling rapid positioning and rapid demolding. The entire machine uses an independent hydraulic system, with the high and low pressure systems communicating with each other, allowing for quick and slow conversions, thereby improving processing efficiency.

Centered on customers and with service as the principle, this is the original intention that Shandong Gaoji Industrial Machinery Co., Ltd. has always adhered to. From order confirmation, production manufacturing to loading and shipping, as well as subsequent support, we always prioritize the needs of customers and respond to every trust with wholehearted service throughout the process. Delivery is not the end, but a new starting point for service. In the future, we will provide more professional, efficient and comprehensive services to live up to the choices and commitments, and work hand in hand with customers to achieve mutual success.

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