MOTI INDUSTRIAL

MOTI-50-3NC PRO

Four-axis servo-assisted busbar processing machine



Punch, shear and bend copper or aluminum busbars with four servo positioning axes. Servo-controlled stops and gauges assist positioning while the operator handles workpiece loading and transfer.

4 axes
Servo positioning

16 × 250 mm
Main process capacity

500 kN
Each main operation

3-in-1
Punch / shear / bend

Processing capacity

Operation	Thickness × width	Maximum force
Punching	16 × 250 mm	500 kN
Shearing	16 × 250 mm	500 kN
Main bending	16 × 250 mm	500 kN

Capacity is specified for the configured tooling and material. Four positioning axes do not provide automatic workpiece transfer between the three operations.

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Control, tooling and quotation requirements

How the machine is operated

- Siemens control with four servo positioning axes; operators load, transfer and unload busbars.

Servo positioning and engineering data

Servo positioning axis	Travel
Shearing X	1000 mm
Punching X	500 mm
Punching Y	1000 mm
Bending gauge	500 mm

Engineering data	Value
Motor power	3 × 5.5 kW
Power supply	Three-phase 380 VAC, 50 Hz
Net / gross weight	1750 / 1800 kg

Included equipment and configuration

- Standard: 8 sets of punch and dies; vertical, U-shaped, horizontal and embossing bending tools; fitted upper and lower cutting blades.
- Options: twisting and one-time forming tools, customized to your busbar drawings. Punch and die sizes are specified for the order.

Information for your quotation

- Material and grade; busbar thickness and width.
- Hole diameters and positions; bend geometry; drawings and batch quantities.
- Factory voltage, phase and frequency; destination city and country.

The final machine configuration, tooling and electrical supply are defined in the technical quotation.

Send your busbar drawing for a configured quotation

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busbarsmachine.com/contact/