MOTI INDUSTRIAL

MOTI-50-3NC

Three-in-one hydraulic busbar processing machine



Punch, shear and bend copper or aluminum busbars in one machine. Three independently powered hydraulic stations and CNC bending control support switchgear and electrical panel production.

3 operations
Punch / shear / bend

16 mm
Main process thickness

500 kN
Punching force

CNC
Bending control

Processing capacity

Operation	Thickness	Width / range
Punching	Up to 16 mm	Configured to your busbar width
Shearing	Up to 16 mm	Configured to your busbar width
Main bending	Up to 16 mm	Configured to your busbar width
Edge bending	Up to 12 mm	Up to 120 mm; maximum angle 90°

Punch diameter: 4.3-34 mm. Punching and main bending force: 500 kN. Material grade, tooling and bend geometry define the ordered configuration.

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Control, tooling and quotation requirements

How the machine is operated

- Operators load, position, transfer and unload workpieces between stations.
- Siemens CNC control for bending; six-position punching turret.
- Three motors power the hydraulic stations independently. The machine is not an automatic workpiece transfer line.

Engineering data

Engineering data	Value
Motor power	3 × 5.5 kW
Machine weight	1750 kg
Bending accuracy	±1°
Repeat bending accuracy	±0.3°

Included equipment and configuration

- Core machine: hydraulic shearing, punching and bending stations with CNC bending control.
- Drawing-dependent tooling: U and Z bends, embossing and twisting. The required dies and included quantities are listed in the quotation.

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/