MOTI INDUSTRIAL

MOTI-80-3NC

Heavy-duty three-in-one busbar processing machine



Punch, shear and bend copper or aluminum busbars with a heavy-duty hydraulic machine. Three powered workstations and CNC bending control support large busbar fabrication for switchgear production.

3 operations
Punch / shear / bend

20 × 300 mm
Main process capacity

800 kN
Punching force

CNC
Bending control

Processing capacity

Operation	Thickness	Width / range
Punching	Up to 20 mm	Up to 300 mm
Shearing	Up to 20 mm	Up to 300 mm
Main bending	Up to 20 mm	Up to 300 mm
Edge bending	Up to 12 mm	Up to 120 mm; maximum angle 90°

Punch diameter: 4.3-34 mm. Punching and main bending force: 800 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 control with a 10-inch touchscreen for CNC bending; multi-position punching turret configured with the ordered die set.
- Three motors and hydraulic pumps power the stations. The machine is not an automatic workpiece transfer line.

Engineering data

Engineering data	Value
Motor power	3 × 7.5 kW
Machine weight	2350 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.
- Bending tools include vertical, horizontal, U-shaped and embossing functions. Drawing-specific molds and accessories are defined 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/