

TECHNICAL SPECIFICATIONS

Stroke x axis (mm) 3600, 4800, 6000

Stroke y axis (mm) 1800, 2600

Stroke z axis (mm) 1200

A axis $\pm 120^\circ$

C axis $\pm 270^\circ / \pm 365^\circ$

Speed (m/min.) 84 (X/Y), 40 (Z), 40rpm (A, C)

Tables

- Fabricated metal grid with collection drawers / dust extraction hoppers
- Smooth or milled phenolic resin table with or without vacuum supply
- Smooth or milled aluminium table with or without vacuum supply
- T-slot table

Loading/Downloading

- One or two independent areas on single table, with removable central partition to separate the active work area from the loading/unloading area,
- 2 clamping stations for alternate loading
- Twin shuttle table, for loading/unloading outside the enclosure
- Revolver type table, for loading/ unloading outside the enclosure
- All tables can be ordered with pneumatic equipment

Electrospindles

- 10/12 kW (S1/S6)
- 15/18 kW (S1/S6)

All electric spindles are water-cooled,
max. 24.000 rpm, HSK F 63 / HSK A 63

Devices

The machine is predisposed for:

- Tool setting device
- Automatic calibration of the head geometry using 3-D measuring sensors.
- Oil-mist MQL unit
- Engine room interior lighting
- Touch probe
- Laser scanner to import 3D surface
- Bellow covers to protect the linear guides
- Internal lighting

Automatic Tool Changer

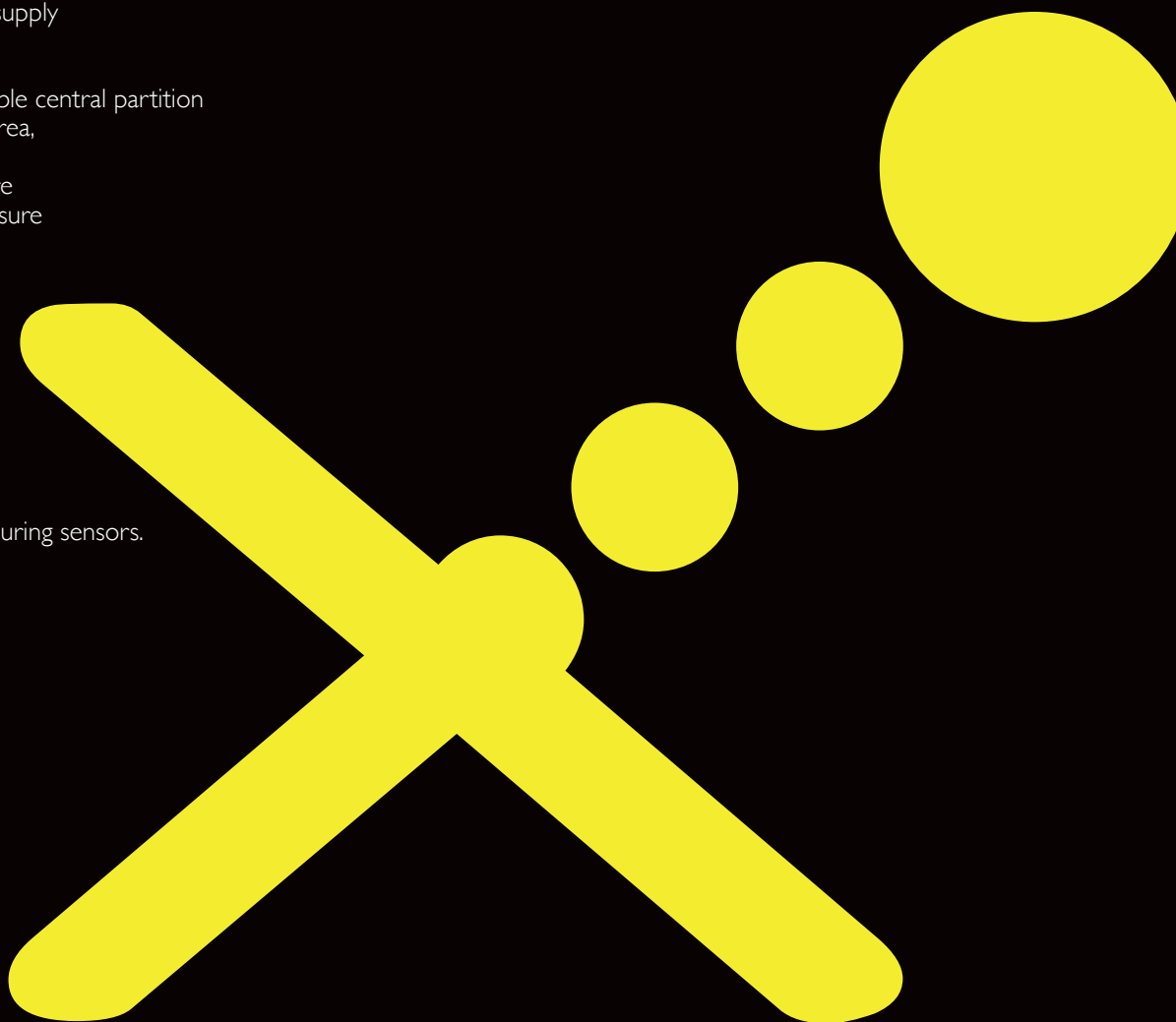
The machine is predisposed for:

- 8/16 protected tools
- Special pick-up tool stations for special units such as Ultrasonic knives/discs or other additional units
- Special pick-up tool places for oversized tools
- Extra magazines in a separate cabinet, accessible from outside during machining

Dust extraction and scraps conveyors

The machine is predisposed for:

- Roof enclosure with hard structure
- Top enclosure with roof bellows
- Length adjustable dust extraction CN hood around the spindle nose
- Environmental dust extraction inside the work area
- Chip conveyor in X direction
- Manual drawers under working areas
- Anti-static package (deionizer)



T SERIES



MULTIAX INTERNATIONAL CNC S.R.L.
Viale Europa, 11 - 33070
Brugnera (PN) - Italy
Ph: +39 0434 598151
Fax: 39 0434 598175
info@multiax.com

MULTIAX TECHNOLOGIES, LLC.
3000 Remico St. SW Grandville, MI 49418
Ph: +1 616.534.4530
Fax: +1 616.534.4570
sales@multiaxtech.com

ENG 07/2022

MULTIAX
INTERNATIONAL

T SERIES:
MOVING BRIDGE >
LONGITUDINAL GANTRIES



The perfect closed cell CNC 5 axis machining center: Multi-ax has developed a 5 Axis machining center for fast and accurate machining of complex 3D surfaces which is generally used in the plastic and composites industry. The T SERIES is productive, reliable, and easy to use. It is built to exceed the customer's expectations. This is possible thanks to the rigid construction frame and the mechanical components which lead to greater axis squareness, speed and positioning accuracies. The mechanical structure has been tested with Finite Element Analysis software to simulate extreme stress and heavy usage and also to check the base sturdiness.

The T-Series features a closed gantry structure, often used for CNC milling of molds or used for other typical machining, notably aerospace, automotive, and marine industry.

The T series is available in several size combinations, with many options such as fixed machine table or double changing tables for alternate loading, twin heads/twin work areas, equipped with different working heads application-specific motor spindles, different roof covers, tool magazines and pick-up stations of different sizes.

Typical applications are CNC milling, drilling, countersinking of aluminium alloys, fiberglass, carbon fiber, core materials as well as ultrasonic cutting of honeycomb material (NOMEX - honeycomb).



T SERIES