

MAXIMUS

3-axis CNC router for stone · 24-tool ISO 40 changer

PRODUCT OVERVIEW

MAXIMUS is a 3-axis CNC working center for stone: a 15.8 kW ISO 40 spindle with a 24-position automatic tool changer machines on a 3,500 × 2,000 mm aluminum table that holds the work on vacuum pods. Pegasus 3-axis CAD/CAM runs on a 21-inch industrial touchscreen; the machine works behind safety doors with automatic lubrication.



Spindle head at work



21-inch touchscreen

15.8 kW	24 tools	3,500 × 2,000 mm	40 m/min
Spindle, 10,000 rpm	ISO 40 tool changer	Working area	X and Y rapid traverse

KEY SPECIFICATIONS

Axes	3-axis CNC
Strokes	X 3,600 · Y 2,300 · Z 450 mm
Spindle	15.8 kW, 10,000 rpm, air-cooled
Tool changer	ISO 40, 24 positions
Table	Aluminum vacuum table, 20 mm
Vacuum	Dry-type pump + 20 vacuum pods
Software	Pegasus 3-axis CAD/CAM
Screen	21-inch touchscreen, Windows 10 PC

WORK HOLDING

The workpiece sits on vacuum pods on the aluminum table; a dry-type vacuum pump with a water filter supplies the vacuum.

IDEAL APPLICATIONS

- Sink and cook-top cut-outs, holes and pockets.
- Edge and surface milling of countertop pieces.
- Carving and 3-axis machining programmed in CAD/CAM.
- Repeat parts nested on the table.

INCLUDED CONFIGURATION

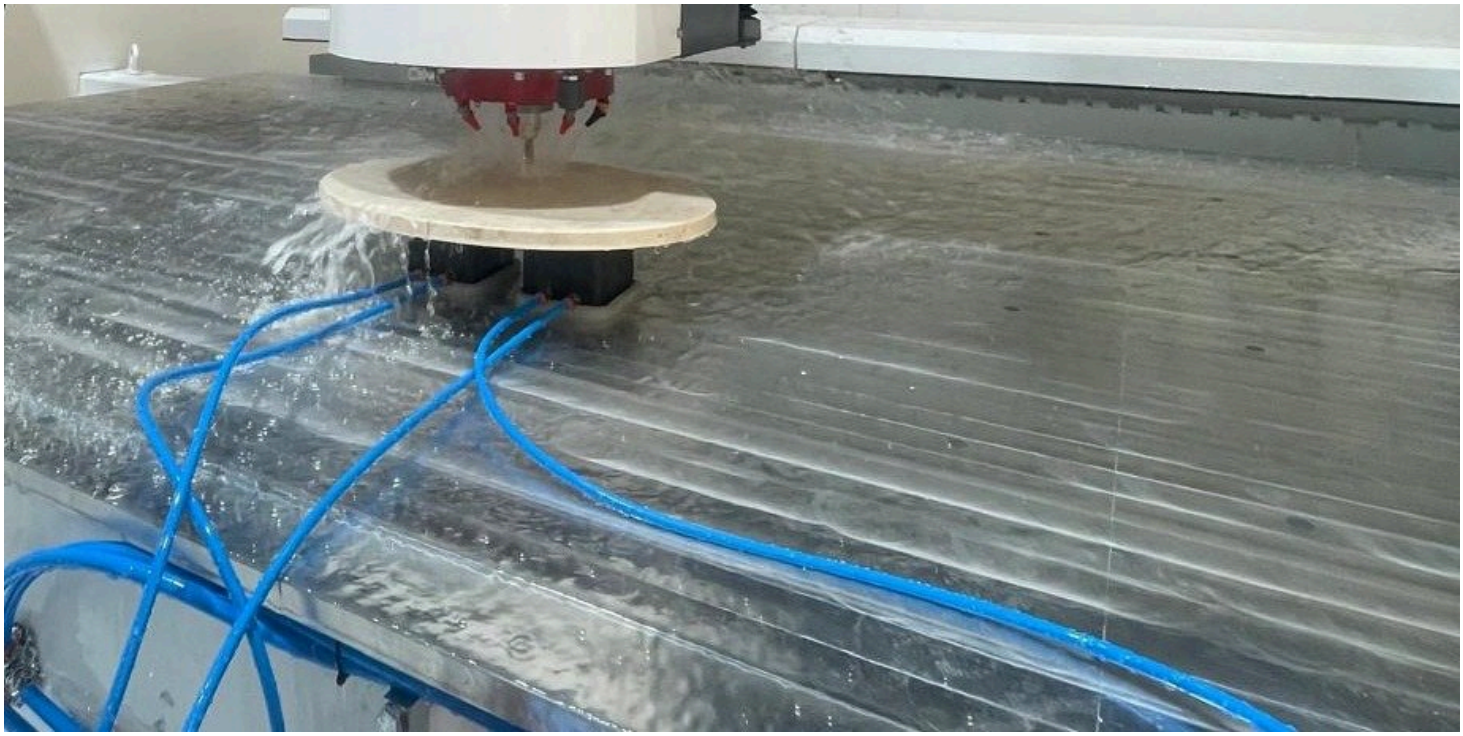
- 24-position ISO 40 tool changer and 6 ISO 40 tool holders.
- Slab thickness reader and tool length presetting device.
- Aluminum vacuum table, dry-type vacuum pump, 20 vacuum pods.
- Pegasus 3-axis CAD/CAM; 21-inch touchscreen PC; handwheel.
- Automatic lubrication and safety doors.
- Installation and operator training by Next Level.

BEFORE YOU ORDER

Tooling, freight, warranty terms and the site utilities (power, air, water) are confirmed in your written quotation.

TECHNICAL DATA

MAXIMUS · tool on a vacuum-held piece; each pod is fed from the manifold along the table edge.



WORKING AREA AND AXES

Working area	3,500 × 2,000 mm (137 13/16 × 78 3/4 in)
X stroke	3,600 mm (141 3/4 in)
Y stroke	2,300 mm (90 9/16 in)
Z stroke	450 mm (17 3/4 in)
Rapid traverse	X 40 · Y 40 · Z 7.5 m/min (X/Y approx. 131 ft/min)

SPINDLE AND TOOLS

Spindle	15.8 kW (approx. 21 HP), up to 10,000 rpm, air-cooled
Tool changer	ISO 40, 24 positions, stainless steel cover
Tool holders supplied	6 × ISO 40
Measuring	Slab thickness reader; tool length presetting device

TABLE AND VACUUM

Table	Aluminum, 3,500 × 2,000 × 20 mm
Vacuum pump	Dry-type, with water filter
Vacuum pods	8 × 300 × 150 mm · 6 × 300 × 75 mm · 4 × Ø 150 mm · 2 × 300 × 50 mm

CONTROL AND SOFTWARE

Screen	21-inch industrial touchscreen, Windows 10 PC
Operator controls	Handwheel

MACHINE

Lubrication	Automatic
Guarding	Safety doors

Specifications are subject to change without notice. Factory data; weights and dimensions are approximate, inch, pound and psi values converted and rounded. Your written quotation lists the final configuration.