CNC ROUTERS

TECHNICAL SPECIFICATION SHEET

MAXIMUS

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

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.



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

Pegasus 3-axis CAD/CAM runs on a 21-inch industrial touchscreen; the machine works behind safety doors with automatic lubrication.

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.

MAXIMUS · TECHNICAL DATA

CNC ROUTERS

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

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

SPINDLE AND TOOLS	
Spindle	21 HP (15.8 kW), 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

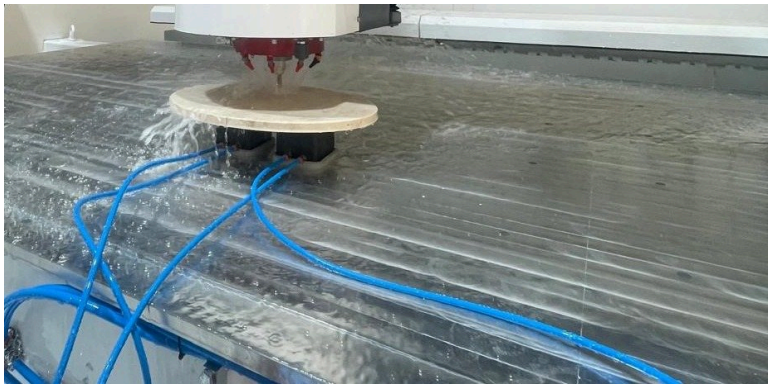
CONTROL AND SOFTWARE	
Screen	21-inch industrial touchscreen, Windows 10 PC
Operator controls	Handwheel

MACHINE	
Lubrication	Automatic
Guarding	Safety doors

INCLUDED AS STANDARD

- 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

LAYOUT AND DIMENSIONS



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

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. Images may show optional equipment. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus