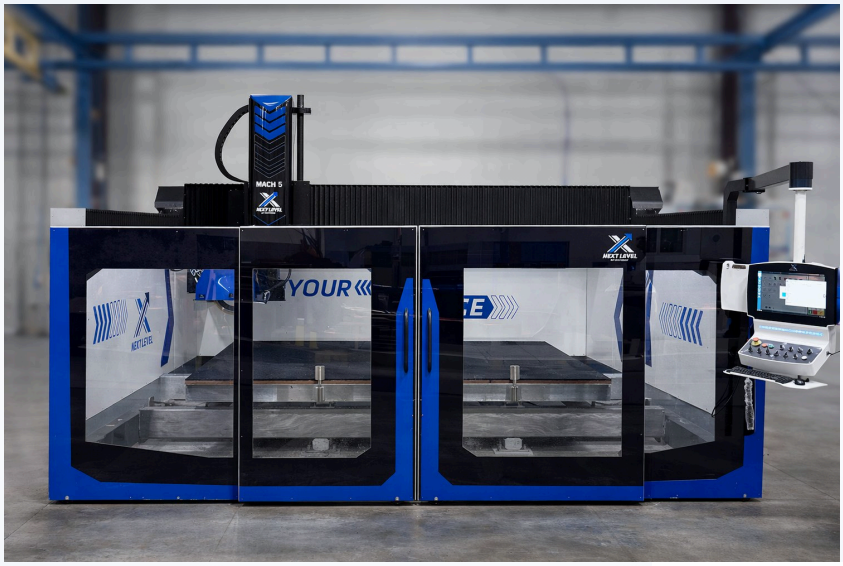
MACH SERIES

TECHNICAL SPECIFICATION SHEET

MACH 5

5-axis CNC bridge saw · ER32 side spindle · vacuum lifter

MACH 5 is the MACH 10 platform with a different side spindle: a 9.4 HP (7 kW) ER32 spindle at up to 18,000 rpm, with tools changed by hand.



MACH 5 and MACH 10 share the same frame and doors

21.5 kW S6	ER32 · 18,000 rpm	700 kg	3,800 × 2,400 mm
Main spindle (≈29 HP)	Side spindle, 7 kW	Dual-arm vacuum lifter	Tilting work table

KEY FEATURES

- **ER32 side spindle**
  Beside the blade guard, a 9.4 HP (7 kW) side spindle with an ER32 collet runs drilling, milling and contouring tools at up to 18,000 rpm.
- **21.5 kW main spindle**
  S6 rating with a built-in inverter.
- **Blade on the rotation axis**
  The blade sits in line with the head's rotation center, and the spindle carriage runs on two linear guides.
- **Precision linear guideways**
  All axes run on linear guideways driven by servo motors with precision reducers.
- **Presetting device**
  A device in the table measures blade diameter and milling-tool length automatically; a probe on the head reads slab thickness.
- **Interpolated 5-axis head**
  Servo-driven A-axis 0–90°, C-axis 0–370° and automatic blade inclination 0–90° for angled cuts, miters and contour shaping.
- **Lasers and templates**
  Blade laser, cross laser and cutting from a template are part of the configuration.
- **Aluminum vacuum lifter**
  The integrated vacuum lifting system picks up and repositions cut pieces on the table and handles strips as narrow as 40 mm.

APPLICATIONS Countertops and custom stone: straight, diagonal and precision miter cuts; sink cut-outs, drilling and milling with the side spindle; curved and contour cutting, custom shapes and profiles; slab polishing programs and surface processing.

MACH 5 · TECHNICAL DATA

MACH SERIES

KEY SPECIFICATIONS	
Axes	5-axis interpolated · A 0–90° · C 0–370°
Blade tilt	Automatic, 0–90°
Z stroke	17 3/4 in (450 mm)
Maximum blade	Ø 28 9/16 in (725 mm); Ø 625 mm with probe or vacuum lifter, Ø 450 mm with side spindle
Spindle speed	Up to 6,000 rpm, built-in inverter
Table tilt	Hydraulic, up to 85°
Vacuum lifter	350 kg one arm · 700 kg two arms
Camera	Internal live camera with extra monitor
Control	21-inch industrial touchscreen · Zeus by Pegasus
Frame	Hot-dip galvanized steel monoblock
DETAILS	
Side spindle	9.4 HP (7 kW) · ER32
Speed	Up to 18,000 rpm
Tool change	Manual
One arm	771 lb (350 kg)
Two arms	1,543 lb (700 kg)
Narrowest strip	1 9/16 in (40 mm)
MACHINE	
Disc spindle cone	½-inch Gas, intercooled, right-hand thread
Axis drives	Servo motors with precision reducers

MACHINE (CONT.)	
Max. working length	148 13/16 in (3,780 mm)
Work table	3,800 × 149 5/8 × 94 1/2 in (2,400 mm)
Table surface	Wooden + rubber
Overhead camera	Option: ceiling-mounted or on a side post
Weight	~15,430 lb (7,000 kg)
SITE	
Buyer supplies	Water, compressed air, blades, milling tools, electrical supply and a surge protection device (warranty condition)
Wall clearance	Min. 11 13/16 in (300 mm) on every side
Foundation	None: the monoblock stands on the shop floor
LAYOUT AND UTILITIES	
Layout (L × W)	8,300 × 326 3/4 × 163 3/8 in (4,150 mm)
Bridge length	240 3/16 in (6,100 mm)
Height	124 in (3,150 mm); 181 1/8 in (4,600 mm) with camera post
Electrical	400 V, 50–60 Hz, 3-phase + ground; 30 kW; transformer included
Compressed air	Min. 250 L/min, 8 bar, filtered and dried, 3/8-inch
Water	Min. 30 L/min, 3.5 bar, 1-inch, filtered to 100 µm
Network	Wi-Fi or RJ45 (Cat 5 or higher)

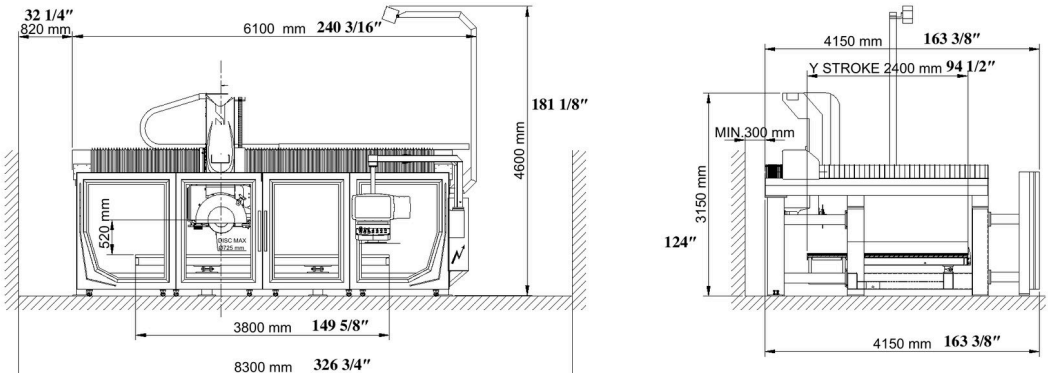
INCLUDED AS STANDARD

- Industrial CNC control, 21-inch touchscreen and handwheel
- Zeus by Pegasus with Profiles & Shapes, Photo Digitizer, Mini CAD
- 7 kW ER32 side spindle (manual tool change)
- Aluminum vacuum lifting system
- Internal live camera with extra monitor
- Blade/tool presetting device and slab thickness probe
- Safety doors, inside and outside covers, cabinet A/C, transformer
- 90 hours installation and operator training

WARRANTY

- 12 months on mechanical and 12 months on electrical/electronic parts (one working shift), from installation but no later than 60 days after the invoice date.
- Software: 24 months, including teleservice / help-desk assistance and license updates (patches and releases).
- Not covered: damage from accidents, incorrect use or not following the training and manual; technician travel for warranty visits; loss of production.

LAYOUT AND DIMENSIONS



MACH 5 · factory layout drawing (front and side elevations)

Specifications are subject to change without notice. Weights and dimensions are approximate; inch and pound values are converted and rounded. The layout drawing is a planning reference; the approved drawing for your machine governs the installation. Images may show optional equipment. Document date: Nov 2026. Next Level Enterprises · www.nextlevel.plus · +1 941-900-3018 · sales@nextlevel.plus