MACH SERIES

TECHNICAL SPECIFICATION SHEET

MACH 1

5-axis CNC bridge saw on a galvanized monoblock

MACH 1 brings 5-axis CNC cutting to the shop on the same galvanized monoblock as the rest of the MACH series.



Shown with optional overhead camera; front doors not fitted

21.5 kW S6	5 axes	3,800 × 2,400 mm	70 hours
Main spindle (≈29 HP)	A 0–90° · C 0–370°	Tilting work table	Installation + training

KEY FEATURES

- **Interpolated 5-axis head**
  Servo motors drive all five axes together, so the blade follows angled cuts, miters and curved contours in one movement.
- **Presetting and probe**
  A device in the table measures blade diameter and milling-tool length; a probe on the head reads slab thickness — automatically, before the cut.
- **Precision linear guideways**
  All axes run on precision linear guideways that need no adjustment.
- **Built for wet shops**
  The hot-dip galvanized steel monoblock resists corrosion and needs no concrete foundation.
- **21.5 kW main spindle**
  S6 rating, up to 6,000 rpm with a built-in inverter.
- **Lasers and templates**
  Blade laser and cross laser, with cutting from a template placed on the table.
- **Easy routine maintenance**
  All lubrication points are grouped where they can be seen and reached without removing guards.
- **Hydraulic tilting table**
  The 3,800 × 2,400 mm wooden table with its rubber cutting surface tilts hydraulically up to 85° to load and unload slabs.

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

MACH 1 · TECHNICAL DATA

MACH SERIES

KEY SPECIFICATIONS	
Blade tilt	Automatic, 0–90°
Z stroke	17 3/4 in (450 mm)
Maximum blade	Ø 28 9/16 in (725 mm)
Spindle speed	Up to 6,000 rpm, built-in inverter
Milling	From the main spindle, ½-inch Gas interface
Table tilt	Hydraulic, up to 85°
Measuring	Slab thickness probe · blade/tool presetting
Control	21-inch industrial touchscreen · Zeus by Pegasus
Frame	Hot-dip galvanized steel monoblock
DETAILS	
A-axis	0–90°
C-axis	0–370°
Axis drives	Servo motors, precision reducers
Table	3,800 × 149 5/8 × 94 1/2 in (2,400 mm)
Surface	Wooden + rubber
MACHINE	
Axes	5-axis interpolated
Max. working length	148 13/16 in (3,780 mm)

MACHINE (CONT.)	
Overhead camera	Option: on a side post or ceiling-mounted
Internal camera	Option
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)	7,800 × 307 1/16 × 152 3/4 in (3,880 mm)
Bridge length	222 7/16 in (5,650 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. 5 L/min, 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)

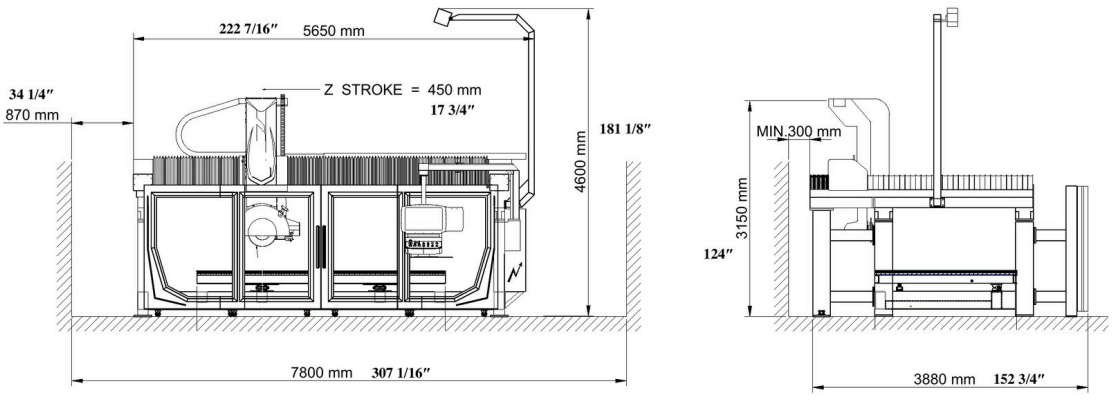
INCLUDED AS STANDARD

- Industrial CNC control, 21-inch touchscreen and handwheel
- Zeus by Pegasus: Profiles & Shapes, Photo Digitizer, Mini CAD and Cut from CAD
- Blade laser, cross laser and cutting from a template
- Slab thickness reader; blade and tool presetting device
- Hydraulic tilting table with wooden + rubber surface
- Safety doors, inside covers, cabinet A/C, transformer
- 70 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 1 · 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