

MACH 10

5-axis CNC bridge saw · ISO30 side spindle · 9-position tool changer

PRODUCT OVERVIEW

MACH 10 is the flagship of the MACH series: a 5-axis CNC bridge saw on a hot-dip galvanized monoblock that cuts, drills, mills and contours in one setup. An Italian ISO30 side spindle works from a 9-position automatic tool changer, an aluminum vacuum lifter repositions pieces on the table, and an internal live camera shows the work area on an extra monitor.



5-axis cutting head



Front safety doors

21.5 kW S6	**ISO30 · 12,000 rpm**	**9 positions**	**700 kg**
Main spindle (≈29 HP)	Side spindle, 5.2 kW	Automatic tool changer	Dual-arm vacuum lifter

KEY SPECIFICATIONS

Axes	5-axis interpolated · A 0–90° · C 0–370°
Blade tilt	Automatic, 0–90°
Z stroke	450 mm (17 3/4 in)
Maximum blade	Ø 725 mm (28 9/16 in); Ø 625 mm with probe or vacuum lifter, Ø 450 mm with side spindle
Spindle speed	Up to 6,000 rpm, built-in inverter
Work table	3,800 × 2,400 mm (149 5/8 × 94 1/2 in)
Table tilt	Hydraulic, up to 85°
Vacuum lifter	350 kg one arm · 700 kg two arms
Control	21-inch industrial touchscreen · Zeus by Pegasus
Frame	Hot-dip galvanized steel monoblock

MACH 10 OR MACH 5?

Same platform. MACH 5 uses a 7 kW ER32 side spindle at up to 18,000 rpm with manual tool changes instead of the ISO30 spindle and the 9-position tool changer.

IDEAL 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.

INCLUDED CONFIGURATION

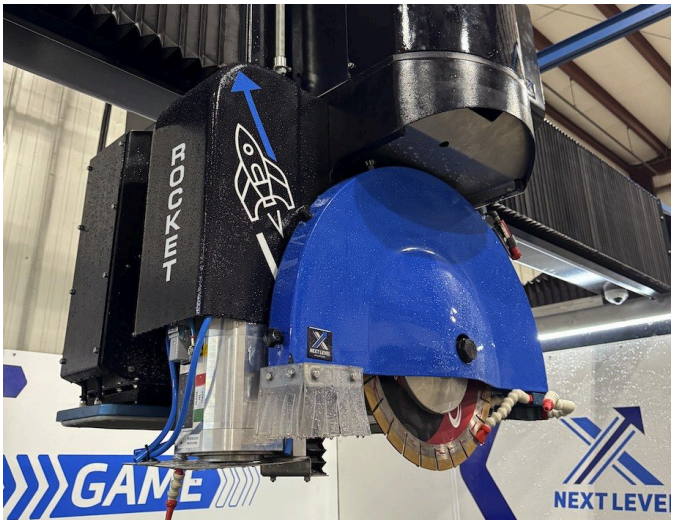
- Industrial CNC control, 21-inch touchscreen and handwheel.
- Zeus by Pegasus with Profiles & Shapes, Photo Digitizer, Mini CAD.
- ISO30 side spindle and 9-position automatic tool changer.
- Aluminum vacuum lifting system.
- Internal live camera with extra monitor.
- Blade/tool presetting device and slab thickness probe.
- Safety doors, inside and outside covers, cabinet A/C, transformer.
- 90 hours installation and operator training.

YOUR CONFIGURATION

Optional: overhead slab camera (ceiling or side post), vein matching and automatic nesting. Your written quotation lists the final configuration and licensed software.

CUT. DRILL. MILL.

One head carries the saw blade, an ISO30 side spindle and its tool changer.

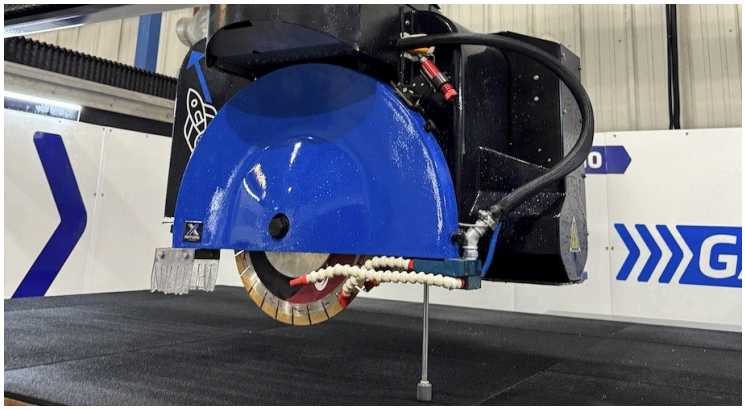


Italian ISO30 side spindle

Next to the blade, a 5.2 kW (7 HP) ISO30 spindle runs drilling, milling and contouring tools at up to 12,000 rpm. It loads them from a 9-position tool changer, so cuts, holes and cut-outs are finished in a single setup.

Side spindle	5.2 kW (7 HP) · ISO30
Speed	Up to 12,000 rpm
Tool changer	9 positions, automatic
Cover	Stainless steel





9-position tool changer.

The ISO30 tool holders sit in a rack along the back of the work area under a stainless steel cover; the side spindle collects and returns them automatically.

Probe and presetting.

A probe on the head reads slab thickness; a presetting device in the table measures blade diameter and milling-tool length automatically.

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.

Saw and mill from the main spindle

The 21.5 kW S6 main spindle saws and also mills through a ½-inch Gas intercooled tool interface, so cuts and milling share one motor.

Blade on the rotation axis

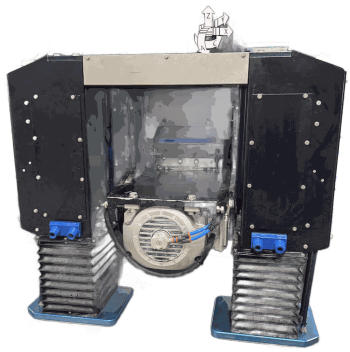
The blade sits in line with the head's rotation center, and the spindle carriage runs on two linear guides.

Lasers and templates

Blade laser, cross laser and cutting from a template are part of the configuration.

LOAD. POSITION. WATCH.

Hydraulic table, vacuum lifter and cameras built around the operator.



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. In CAD Cuts the moves are programmed together with the cuts.

One arm	350 kg (771 lb)
Two arms	700 kg (1,543 lb)
Narrowest strip	40 mm (1 9/16 in)



Hydraulic tilting table.

The wooden table with its rubber cutting surface tilts hydraulically up to 85° for loading and unloading slabs.



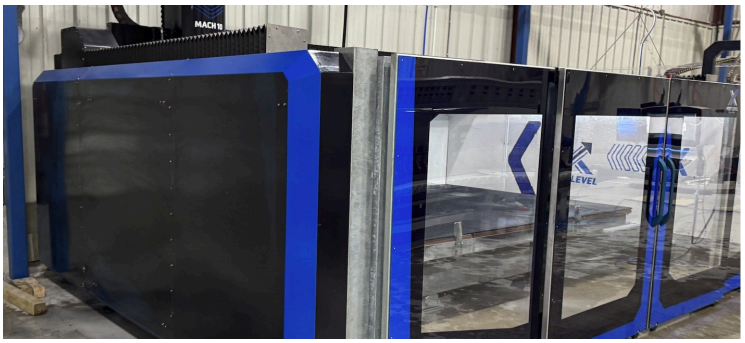
Internal live camera.

A camera and LED light strip inside the enclosure show the work area live on an extra monitor.



Overhead slab camera (option).

An IP67 industrial camera, ceiling-mounted or on a side post, photographs the slab; Photo Digitizer flags cracks and defects and lays out the cuts.

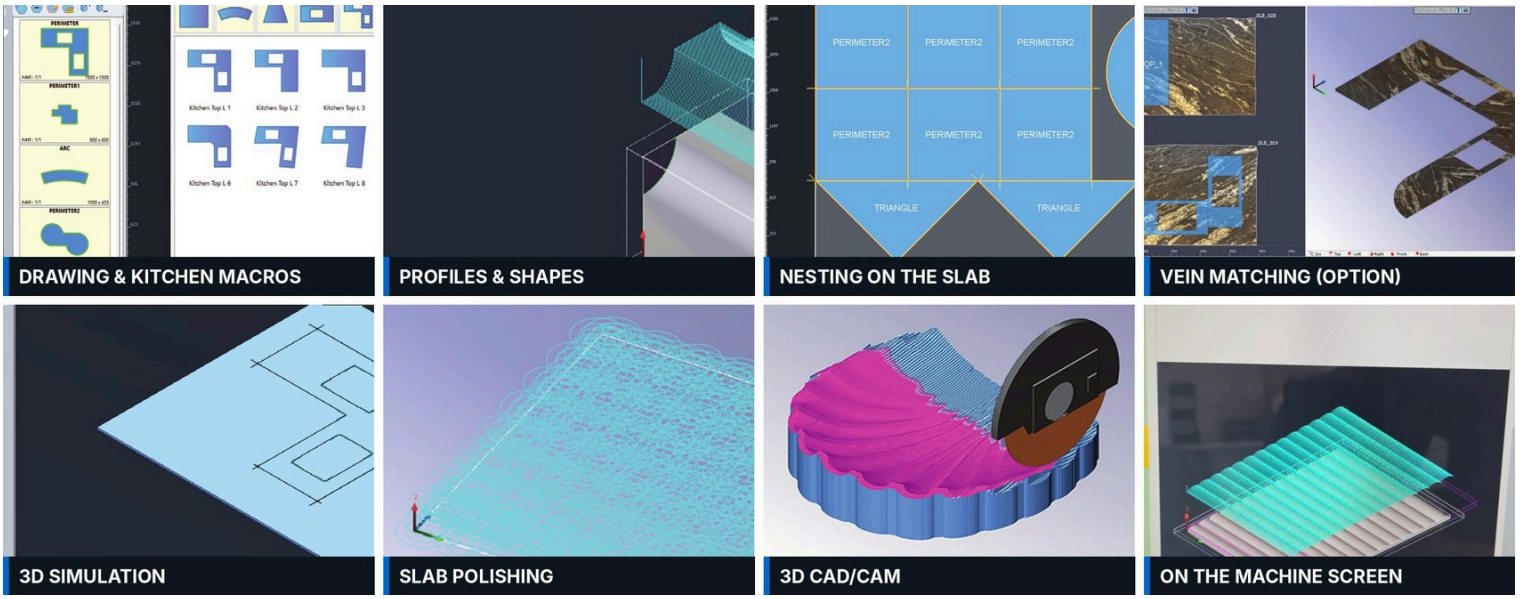


Fully enclosed.

Safety doors, inside protection covers and outside side covers on a hot-dip galvanized monoblock that needs no concrete foundation.

ZEUS BY PEGASUS SOFTWARE

Touch-based CNC software with slab imaging and vision-based apps — no advanced technical skills needed.



Screens from the Zeus by Pegasus apps and the 3D CAD/CAM module; the last picture is the 21-inch screen of a MACH 1.

VEIN MATCHING AND NESTING

The optional Kitchen Designer & Vein Matching module matches veins across slabs and shows them in a 3D preview — in the office or on the machine. Automatic nesting in CAD Cuts is also optional.

Machine panel

Axis positions, machine status, active origin and tool, spindle power absorption, feed and speed, NC and PLC alarms — with START, STOP and RESET on the screen.

CNC and Saw Bridge modes

JOG, MDI and Automatic pages with tool and origin tables. Manual cutting with the joystick, plus semi-automatic cycles: single, multiple, orthogonal, leveling, polygons, arcs and circles.

CAD Cuts

Pieces from a rectangle, a parametric library, an Excel/CSV list, the Drawing app or DXF. Overlapping cuts are removed, colliding cuts trimmed and the sequence optimized, with rest machining by drill and mill and a built-in simulation.

Photo, Laser Slab, Templates

The slab photo is rectified to the real table size. The head laser traces the slab perimeter, and templates or drawings laid on the table are digitized with the laser or the camera image.

Profiles & Shapes · Manual Cuts · Drawing

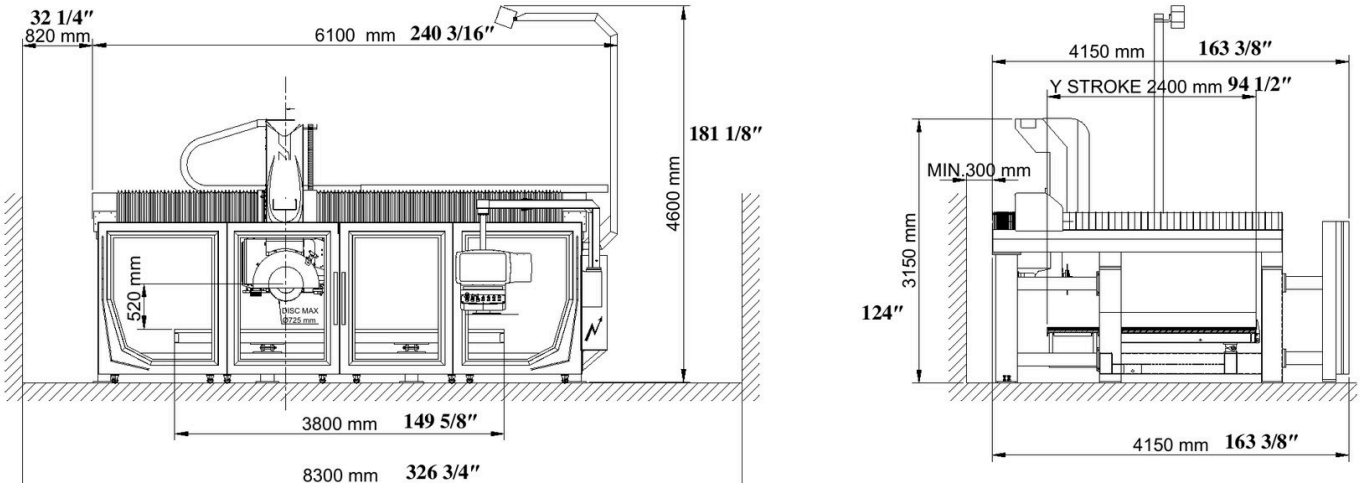
Disk shaping from parametric macros or imported CAD with vertical, oriented and horizontal disk roughing and finishing; quick manual cuts; 2D drawing with CAD import.

Slab Polishing · 3D CAD/CAM

Polishing programs with saved presets. The 3D CAD/CAM module reads DXF, DWG, IGES, STEP, 3DS, OBJ, STL and Rhino3D for 2D/3D roughing and finishing, 3+2 and 4–5-axis interpolated.

TECHNICAL DATA AND LAYOUT

MACH 10 · factory layout drawing (front and side elevations)



MACHINE

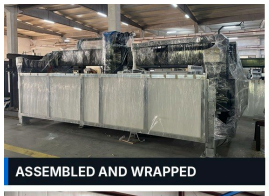
Disc spindle cone	½-inch Gas, intercooled, right-hand thread
Linear motion	Precision linear guideways on all axes
Axis drives	Servo motors with precision reducers
Max. working length	3,780 mm (148 13/16 in)
Table surface	Wooden + rubber
Overhead camera	Option: ceiling-mounted or on a side post
Weight	~7,000 kg (approx. 15,430 lb)

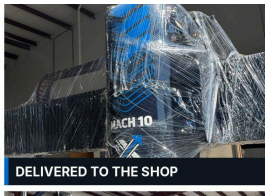
SITE

Buyer supplies	Water, compressed air, blades, milling tools, electrical supply and a surge protection device (warranty condition)
Wall clearance	Min. 300 mm (11 13/16 in) on every side
Foundation	None: the monoblock stands on the shop floor

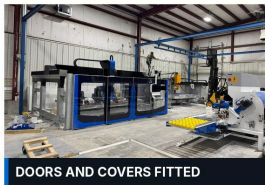
LAYOUT AND UTILITIES

Layout (L × W)	8,300 × 4,150 mm (326 3/4 × 163 3/8 in)
Bridge length	6,100 mm (240 3/16 in)
Height	3,150 mm (124 in); 4,600 mm (181 1/8 in) 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)


ASSEMBLED AND WRAPPED


DELIVERED TO THE SHOP


INSTALLATION


DOORS AND COVERS FITTED

From our factory to your floor

Real photos of MACH machines on their way: factory assembly and testing, wrapping, container loading, delivery and installation. At your shop a Next Level technician sets the machine up and trains your operators.

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.

CHOOSE YOUR MACH

The whole MACH series side by side — then built, shipped and installed by Next Level.

ECO MACH, MACH 1, MACH 5 OR MACH 10?

	ECO MACH base	ECO MACH fully loaded	MACH 1	MACH 5	MACH 10
Main spindle (S6)	13 kW	13 kW	21.5 kW	21.5 kW	**21.5 kW**
Maximum blade	Ø 625 mm*	Ø 625 mm*	Ø 725 mm	Ø 725 mm*	**Ø 725 mm***
Z stroke	325 mm	325 mm	450 mm	450 mm	**450 mm**
Work table (mm)	3,500 × 2,000	3,500 × 2,000	3,800 × 2,400	3,800 × 2,400	**3,800 × 2,400**
Hydraulic table tilt	80°	80°	85°	85°	**85°**
Milling from main spindle	Option	Option	✓	✓	**✓**
Side spindle	Option	ER32 · 7 kW	—	ER32 · 7 kW	**ISO30 · 5.2 kW**
Automatic tool changer	—	—	—	—	**9 positions**
Vacuum lifter (2 arms)	—	—	—	700 kg	**700 kg**
Thickness probe · presetting	Option	✓	✓	✓	**✓**
Overhead slab camera	Option	✓	Option	Option	**Option**
Internal live camera	—	—	Option	✓	**✓**
Software	Factory CAD	Factory CAD	Zeus by Pegasus	Zeus by Pegasus	**Zeus by Pegasus**
Vein matching module	—	—	—	Option	**Option**
Safety doors · cabinet A/C	—	—	✓	✓	**✓**
Outside side covers	—	—	—	✓	**✓**
Layout L × W (mm)	6,000 × 3,300	6,000 × 3,300	7,800 × 3,880	8,300 × 4,150	**8,300 × 4,150**
Machine weight	~5,000 kg	~5,000 kg	~7,000 kg	~7,000 kg	**~7,000 kg**
Installation + training	Included	Included	70 hours	90 hours	**90 hours**

✓ standard · — not offered / not included. All five share the 5-axis head (A 0–90°, C 0–370°, automatic blade tilt 0–90°), a 6,000 rpm main spindle and a hot-dip galvanized monoblock frame. *Factory data, largest blade with the thickness probe fitted: ECO MACH Ø 450 mm, MACH 5/10 Ø 625 mm (also with the vacuum lifter); with the side spindle: ECO MACH Ø 350 mm, MACH 5/10 Ø 450 mm.

INSTALLATION & TRAINING

- 90 working hours of installation and operator training at your shop, including the technician's travel, board, lodging and local transfers.
- Operator availability Monday through Saturday is needed to complete the 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.

Questions, or ready for a written quotation? **+1 941-900-3018** · **sales@nextlevel.plus** · **nextlevel.plus**

Budgetary equipment information. U.S. and metric values appear together; added conversions are approximate. This sales document does not replace the delivered manual, drawings or safety labels.