



Biesse
Machinery

Stone



GMM

Master Cut Go C M E

Cutting | Comby



Biesse



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Master

Machines

Genius

Extended Machines

Identify in a few words
the most suitable machine
for your needs from
our product portfolio.

Machining type

Cut

Cutting

Edge

Edging

Fin

Finishing

Multi

Multi-machining

Segment

Pro

Distinctiveness
and performance

Up

Agility
and expertise

Go

Simplicity
and compactness

Find your perfect fit

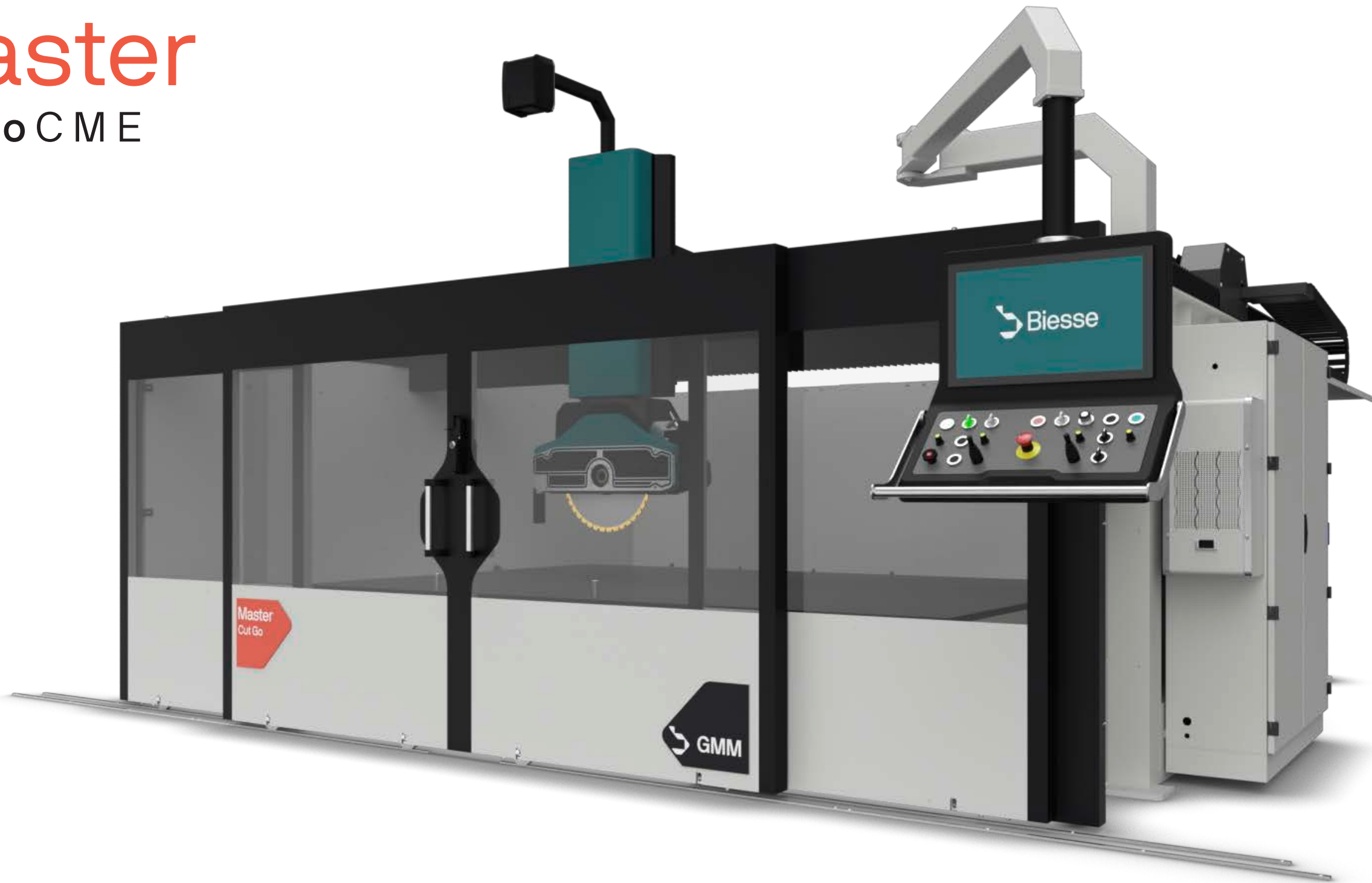
Monoblock design & intuitive control for instant productivity.

Master Cut GO C M is a compact and reliable 5-axis CNC monoblock sawing machine, designed to ensure maximum ease of use. Its integrated design and robust structure ensure quick installation, immediate operation and high-quality performance even in limited spaces, offering a 480 mm Z-axis stroke and Ø 625 mm maximum blade diameter to support a wide range of cutting needs. Its intuitive programming ensures instant start-up, streamlining operations even for less experienced users: versatile and high-performing, it efficiently handles a wide range of applications, especially in homeware and furniture production.



Master

Cut Go C M E



Human Machine Interface

Control at your fingertips: smart, intuitive and ready to go. The 21" ergonomic multitouch HMI is integrated into the machine controls, supported by GMM software designed to be simple, innovative and intuitive, enabling quick and efficient start-up of any stone-processing job.

5 Axis Technology

Unlock complex cuts with ease. The 5-axis bridge saw enables advanced stone processing with precision. Its head moves and rotates in multiple directions, allowing complex shapes and angles to be cut efficiently, all while maintaining stability and accuracy.

Side Spindle

Integrated in the head for faster workflows. The Side Spindle, built into the machine head, works with the blade and Vacuum System to cut processing times. It excels at creating kitchen worktops in just a few steps, ensuring stable, efficient, and precise operations.

Slab Thickness Reader

Automatic precision for perfect cuts. The Slab Thickness Reader measures slab thickness and automatically compensates for variations. This ensures consistent cutting accuracy, optimized material use, and precise results, even for complex operations like inclined cuts.

Vacuum System

Save time and energy. The Vacuum System, integrated on the machine head, automatically handles parts across the worktable. Aligned with the Z-axis, its design minimizes backlash and torque, ensuring maximum stability and efficiency.

Magnetic tool changer

The right tool, always ready. The 4-position Magnetic Tool Changer enables fast and precise tool swaps. Designed for milling and drilling, it is ideal for users working with a variety of tool diameters.

Tool Diameter Reader

Real-time control for flawless machining. The Tool Diameter Reader precisely measures cutting tools and integrates with the machine software. It monitors wear and enables automatic adjustments, ensuring reliable, consistent, and highly accurate processing every time.

Camera

The right point of view. The Camera, integrated on top of the machine head, moves with it to capture the optimal perspective of each slab. This ensures precise edge detection, accurate measurements, and efficient, error-free machining.

Materials

- Ns** Natural Stone
- Es** Engineered Stone
- Ss** Sintered Stone

Stone

We design and manufacture stone-processing machines for the furniture, building and construction sectors, delivering the ideal solution for specific production requirements.



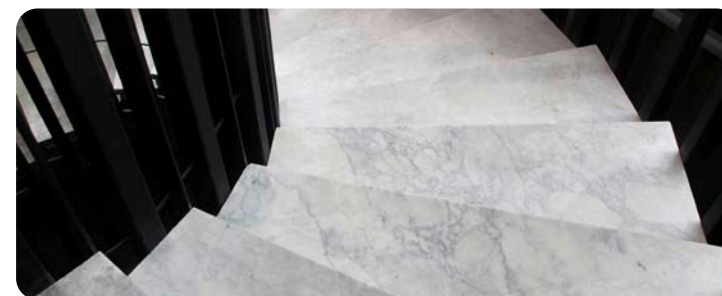
**Kitchen
countertop**



**Bathroom
countertop**



Table



Stairs



Windowsill



**Generic
interior design**



Small-Scale Shaping

Performs complex shaping with high precision using a 5-axis head. It can produce chamfers, grooves, and custom profiles on medium and small-sized stone blocks, making even complex 3D shaping accessible, supporting the detailed production of homewares and furniture.



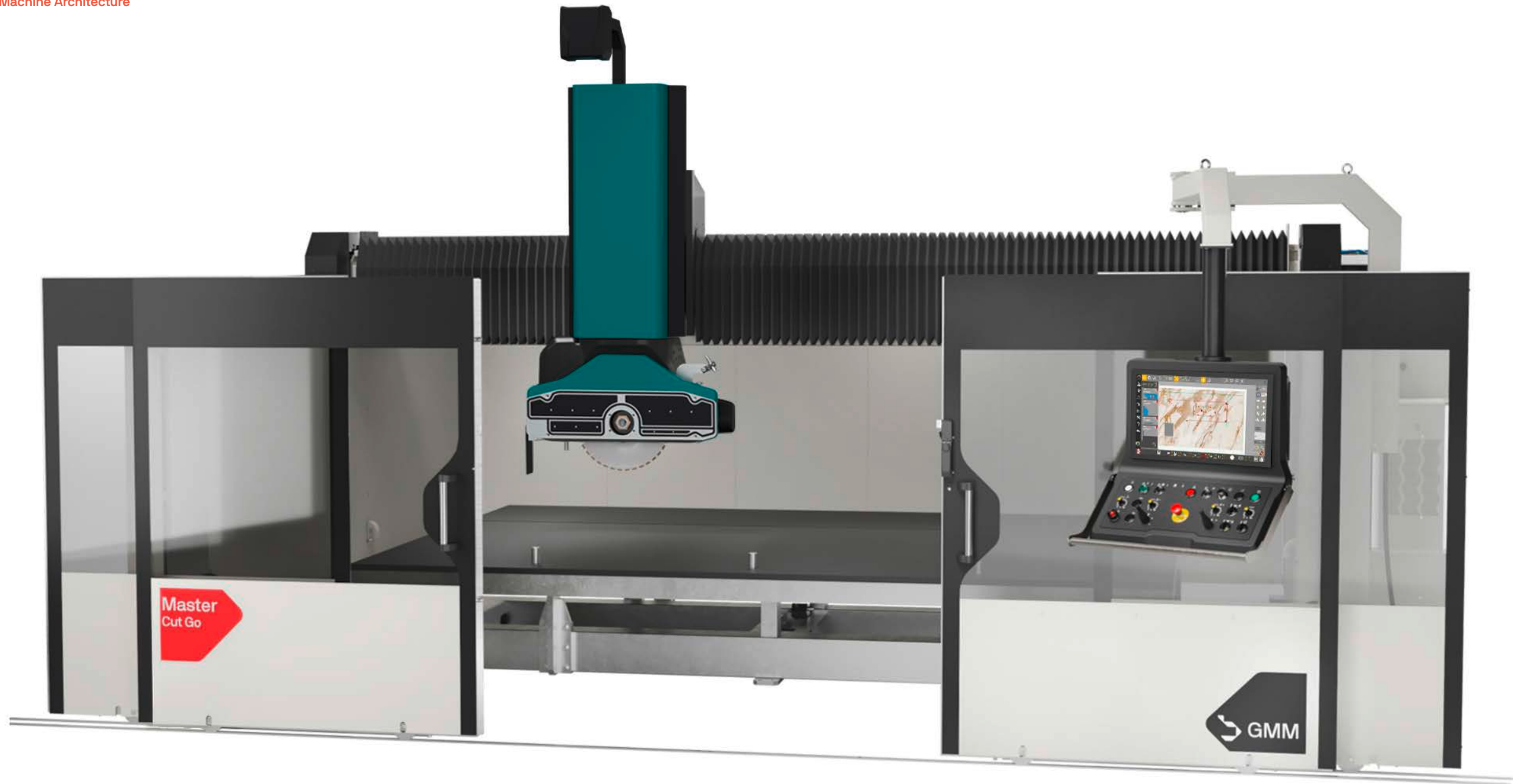
Slab Cutting

Handles precise slab cutting with ease. Its 480 mm Z-axis stroke, Ø625 mm maximum blade diameter, and 205 mm maximum cutting depth allow efficient vertical, inclined, curved and straight cuts.



Drilling & Milling

Optional 4 kW side spindle allows accurate drilling and milling for grooves, holes, and top-edge finishes. Combined with the main through-hole motor, sawblade, and vacuum system, sequential machining in a single setup reduces process times while ensuring stable, high-quality results.



Monoblock structure

The Master Cut GO C M features a true monoblock architecture, where the bridge, worktable, side walls, and safety barriers form one rigid, self-supporting body. This unified structure ensures exceptional stability, precise cutting performance, and fast installation with no masonry work required. The galvanized steel frame resists wear, humidity, and harsh workshop environments, making it ideal even in confined spaces. Sliding safety barriers protect the operator while keeping the work area fully accessible. A practical and durable design that delivers smooth, reliable, and long-lasting operation.



Auxiliary Side Spindle

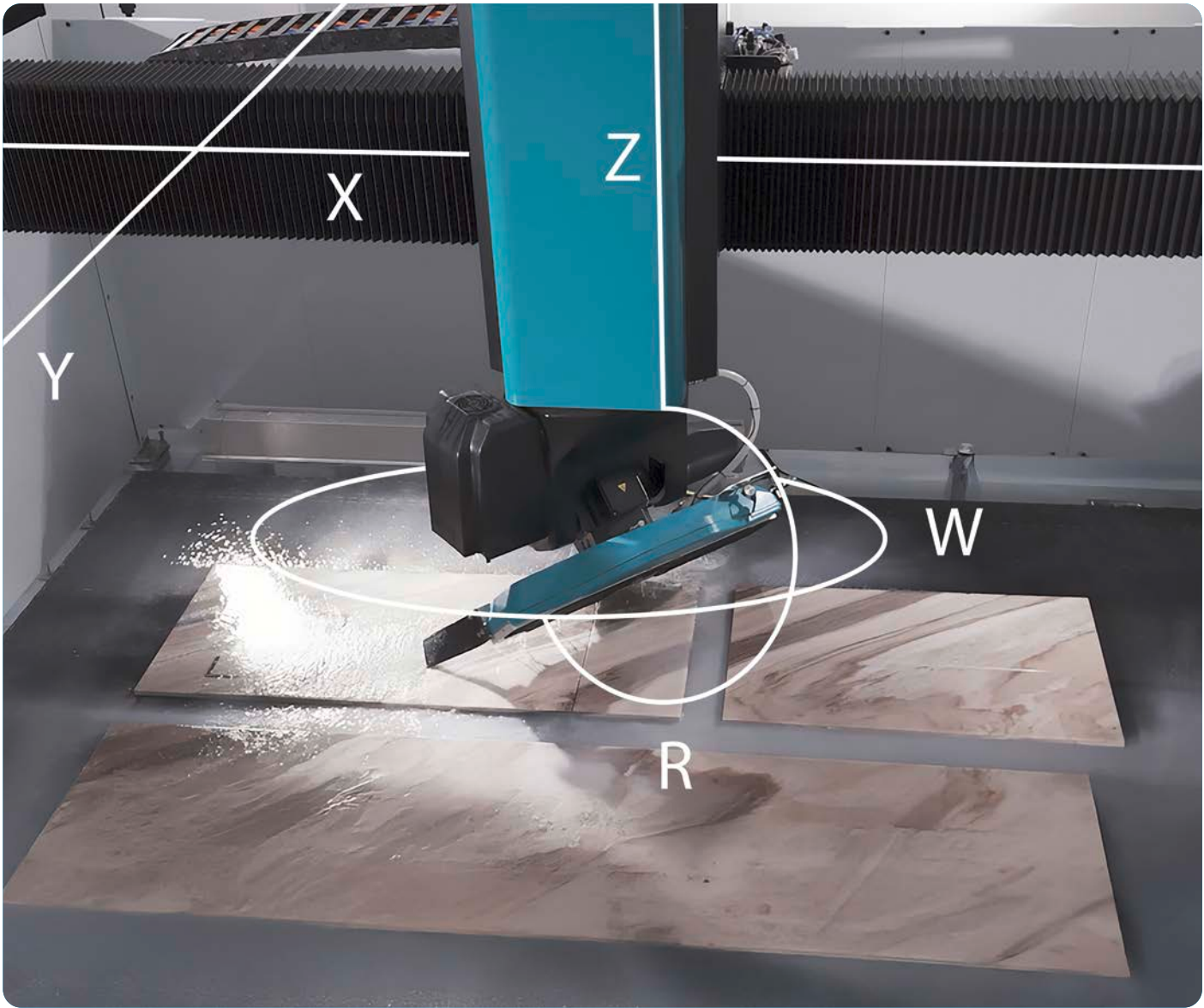
The optional Auxiliary Side Spindle adds continuous workflow capability by handling milling and drilling operations without interrupting the cutting cycle. Powered by a 4 kW, 12,000 rpm motor, it delivers precise and stable performance for drill, non-through cuts, small-radius geometries, grooves, and detailed internal features. Thanks to a mechanical lock integrated into the vertical movement system, vibrations are minimized, ensuring excellent surface quality.

Working together with the main blade and the Vacuum System, the side spindle allows router, blade, and vacuum system to operate sequentially in a single setup, drastically reducing processing times. This makes complex kitchen and bathroom countertops faster and easier to produce, while maintaining high accuracy and finish quality.



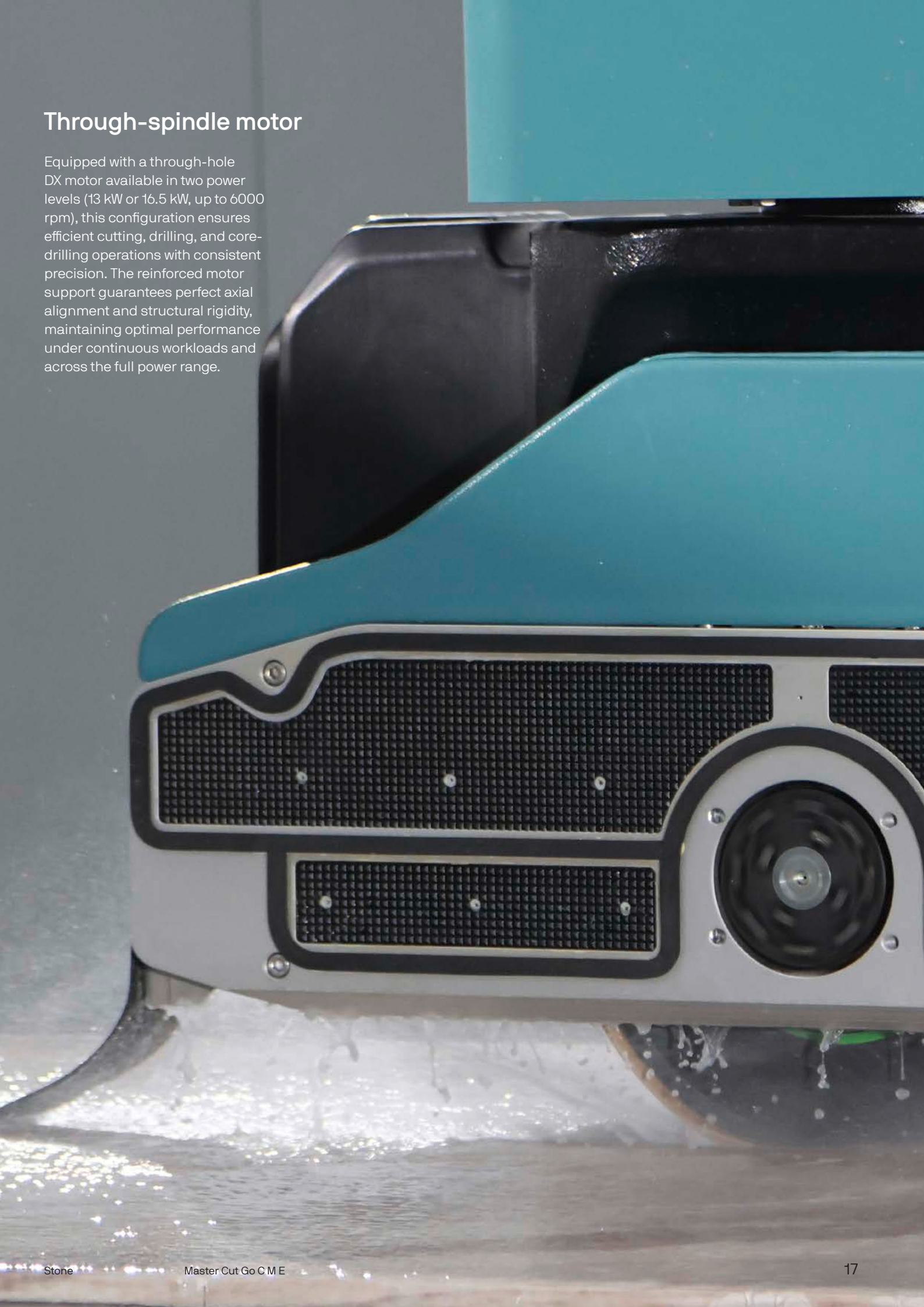
Complex machining made simple with 5-axis technology.

A 5-axis bridge saw delivers high-precision stone processing thanks to its rigid bridge structure and fully interpolated movement across all linear and rotary axes. The complete 5-axis configuration enables complex machining in a single setup, improving accuracy and overall workflow efficiency. Compatible with CAD/CAM programming, it executes advanced tool paths such as angled cuts, contouring, pockets, profiles and 3D elements while maintaining optimal tool orientation for superior finish quality and reduced tool wear. From countertops and mitered edges to multi-depth decorative pieces, a 5-axis bridge saw offers outstanding versatility, precision and productivity for both artisan and industrial applications.



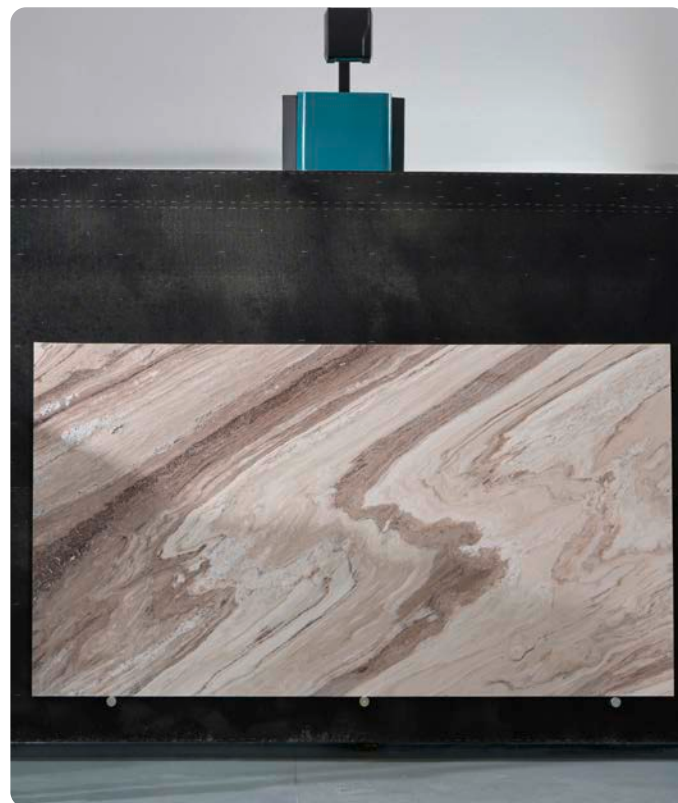
Through-spindle motor

Equipped with a through-hole DX motor available in two power levels (13 kW or 16.5 kW, up to 6000 rpm), this configuration ensures efficient cutting, drilling, and core-drilling operations with consistent precision. The reinforced motor support guarantees perfect axial alignment and structural rigidity, maintaining optimal performance under continuous workloads and across the full power range.



Hydraulic Tilting Table

The working table is engineered for precision, durability, and effortless material handling. The 3800 x 2250 mm cutting area features a plastic-coated surface with vulcanized rubber edges, ensuring stability and protection during every operation. The hydraulic tilting system (0°–85°) ensures safe handling even with heavier materials. With a load capacity of 3000 kg horizontally and 1650 kg inclined, it supports demanding workflows without compromise. An optional table extension (3800 x 2400 mm) is available to enhance piece handling when using the Vacuum System, offering even greater flexibility in daily operations.



4-Position Magnetic Tool Changer

This optional 4-position self-centring magnetic tool changer provides fast, precise, and reliable tool swaps during machining. Compact and positioned between the worktable and the self-supporting structure, the magazine holds multiple tools ready for use, reducing manual intervention, minimising downtime and enabling continuous automated workflows. It enhances flexibility in CAD/CAM operations, especially when frequent changes between milling, drilling, or cutting tools are required.





Tool Diameter Reader

The tool diameter reader precisely measures the diameter of discs, spindles, and other cutting tools, allowing real-time monitoring and automatic compensation for wear. Integrated with the machine software, it ensures parts are processed within defined tolerances, maintaining consistent machining accuracy, reliable performance, and high-quality results throughout continuous production.



Slab Thickness Reader

The slab thickness reader automatically measures material thickness, compensating for any variations during processing. This ensures consistent cutting accuracy, optimized material use, and precise machining, essential for operations like inclined cuts. The compensation is fully automatic, integrated directly into the machining cycle for seamless workflow.

Camera System

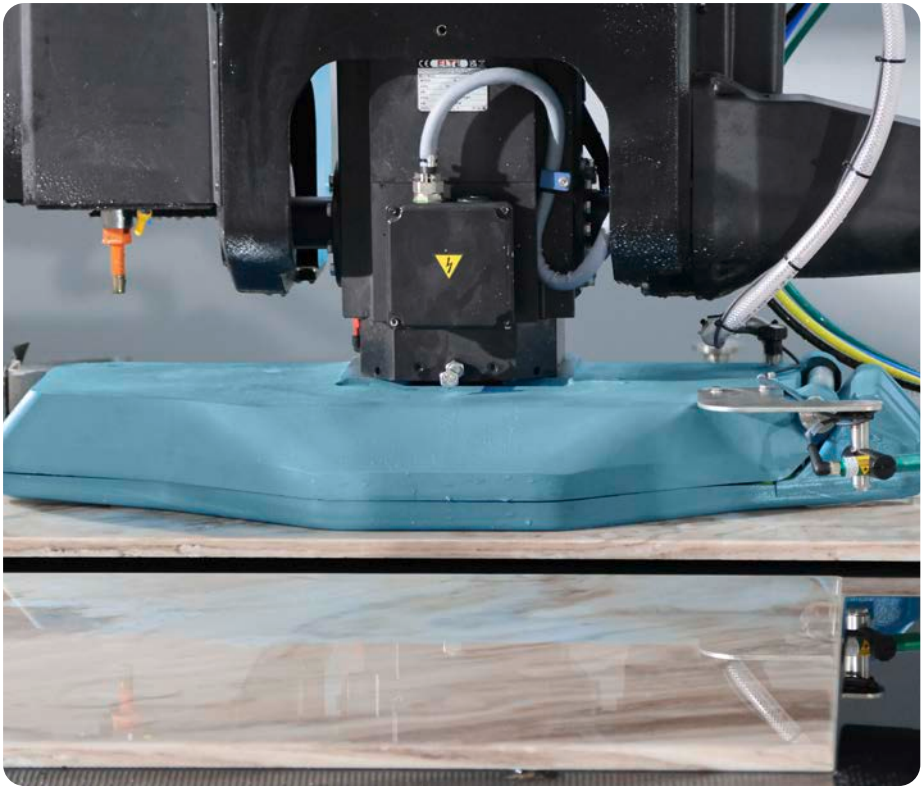
The on-board HD camera, integrated with the machine head, captures the material from the optimal perspective, delivering pixel-to-millimeter accuracy. Dynamic alignment ensures flawless edge detection, minimal shadow interference, and consistent high-resolution imaging. This crystal-clear vision enables precise piece positioning, real-time adjustments, and error-free machining, enhancing efficiency and reducing material waste.





Optical Laser

The optical collimator projects a visible reference line onto the material surface, enabling precise blade alignment. It simplifies setup, ensures each cut starts exactly where intended, reduces waste, and improves workflow efficiency for accurate, high-quality machining.



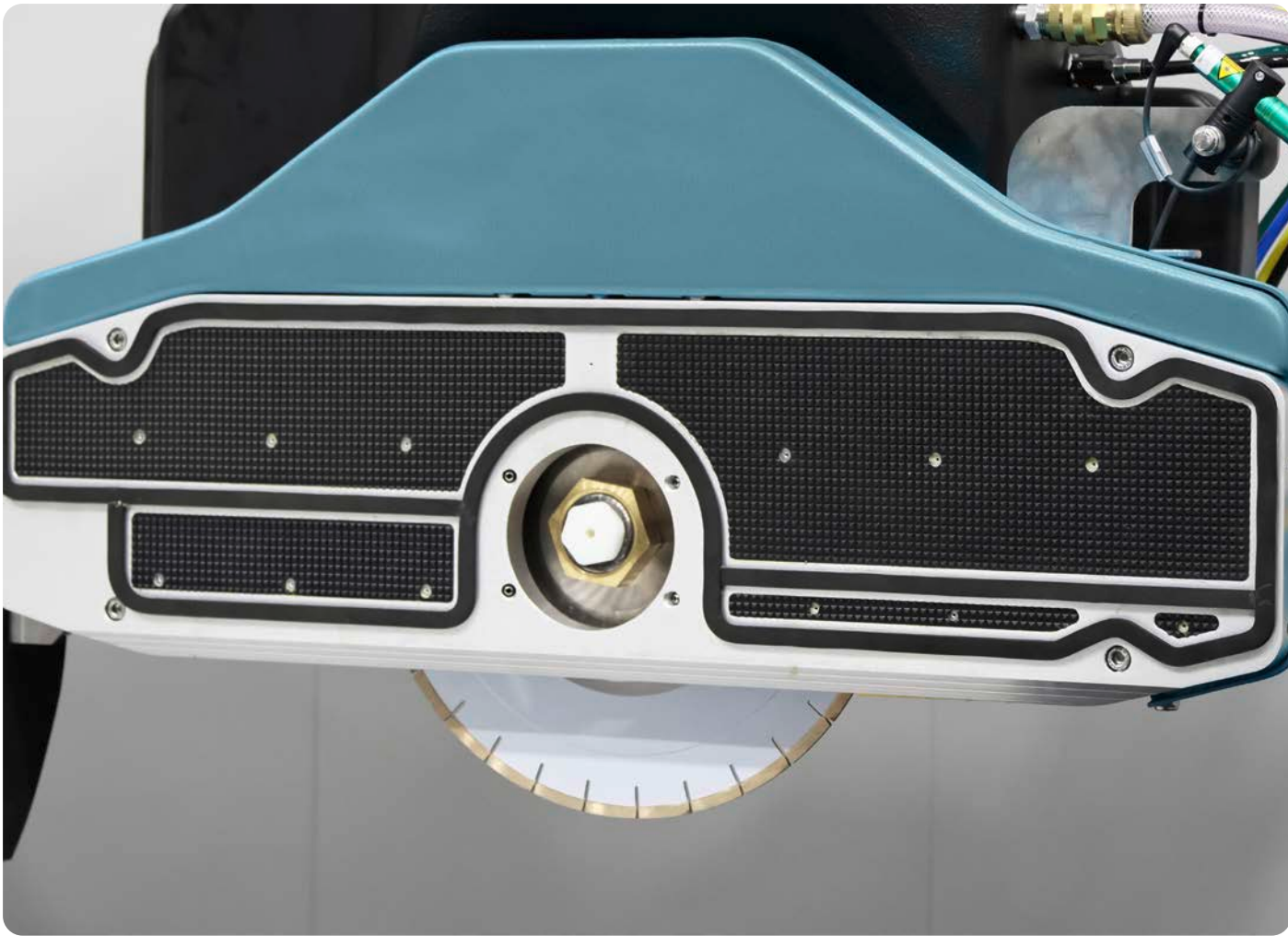
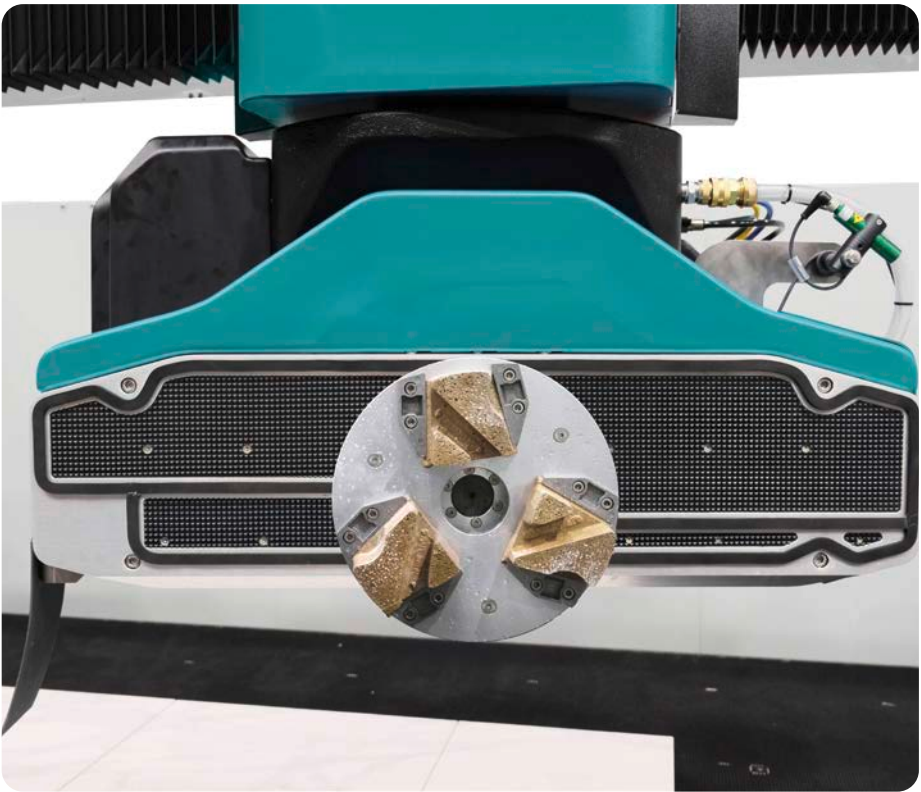
Vacuum System

Save time and energy with the fully automated, patented vacuum system, mounted on the machine head and perfectly aligned with the Z-axis. The patented system ensures unparalleled precision when lifting and moving pieces, without any oscillations. The specific design of suction pads and reinforced cast-aluminum components allow clean repositioning. The software automatically coordinates cutting, lifting, and moving for uninterrupted workflow and optimized material use.

Plate for Polishing

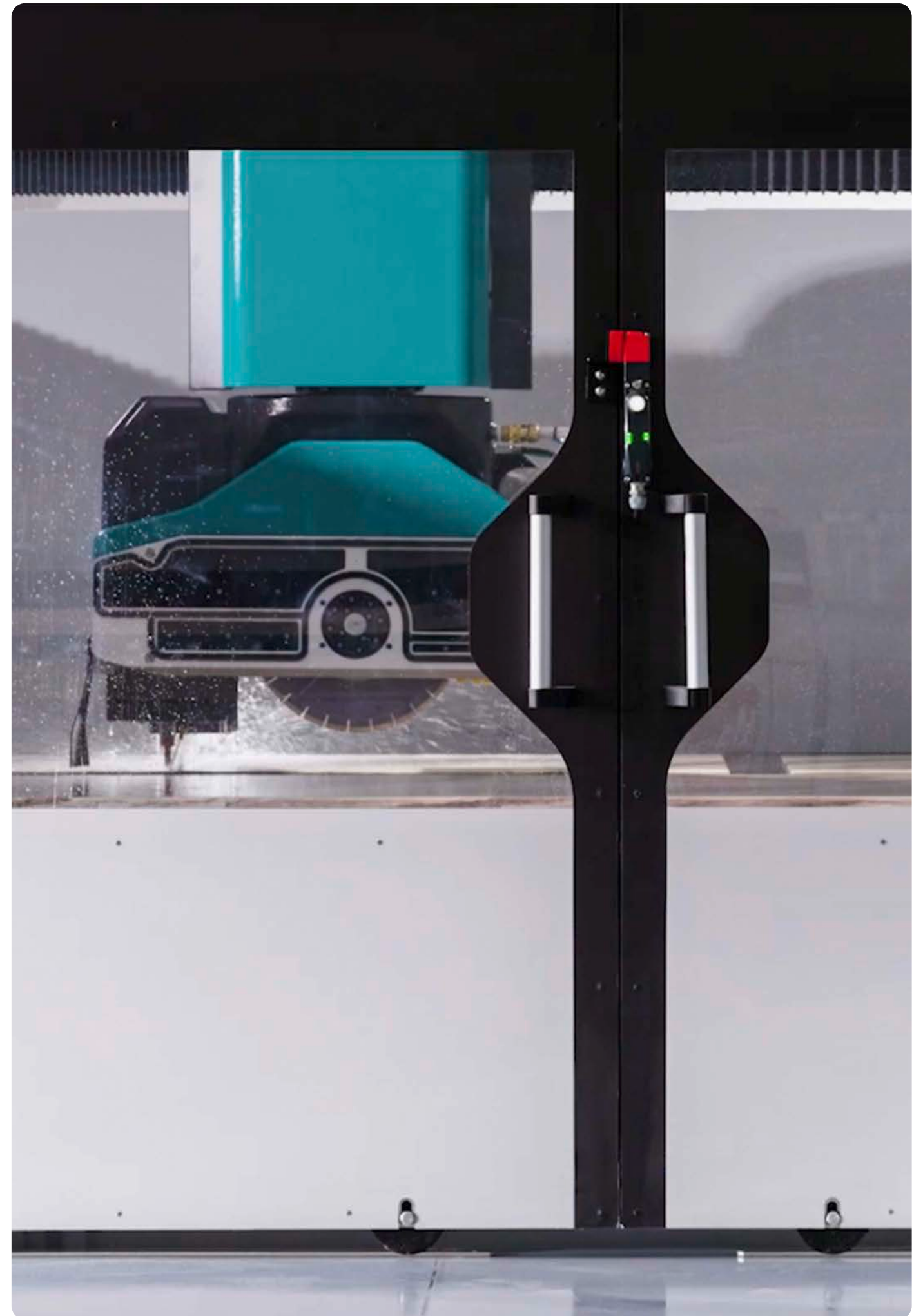
The Ø320 mm polishing plate is designed for high-quality surface finishing and works in combination with the dedicated polishing software. Equipped with a 36x2 3-Frank attachment system, it ensures secure tool fastening and stable operation during all polishing phases.

This plate enables precise, uniform finishing across a wide range of stone materials. Use of the Polishing Program software is required for full functionality and optimized performance.



Safety Barriers

Robust safety barriers protect the operator during cutting or machining: when the machine is working, they form a complete shield around dangerous areas, preventing access and containing water splashes and debris. When open, they allow full and easy access to the work area for loading, unloading, or maintenance, combining maximum safety with practicality and operational flexibility.



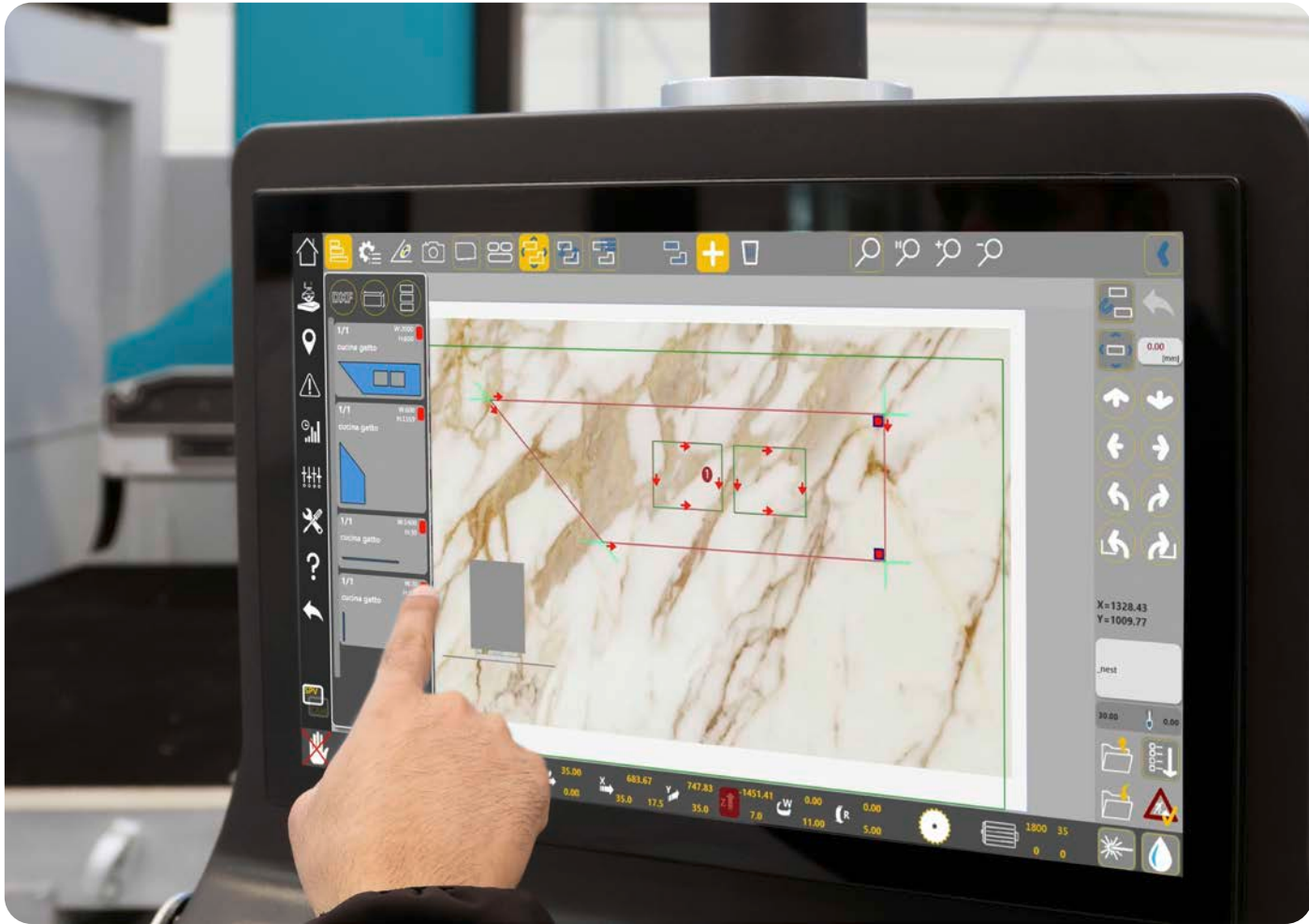


Smart Touch, Full Control

The ergonomic 21" multitouch color display combines intuitive hardware controls with advanced software, enabling operators to start any machining process easily. Manual and semi-automatic controls, including switches and joysticks, allow precise adjustments, while the unified interface across different machining types ensures faster learning, smoother workflow, and effortless operation. Real-time feedback provides previews of processes, minimizing errors and optimizing productivity.

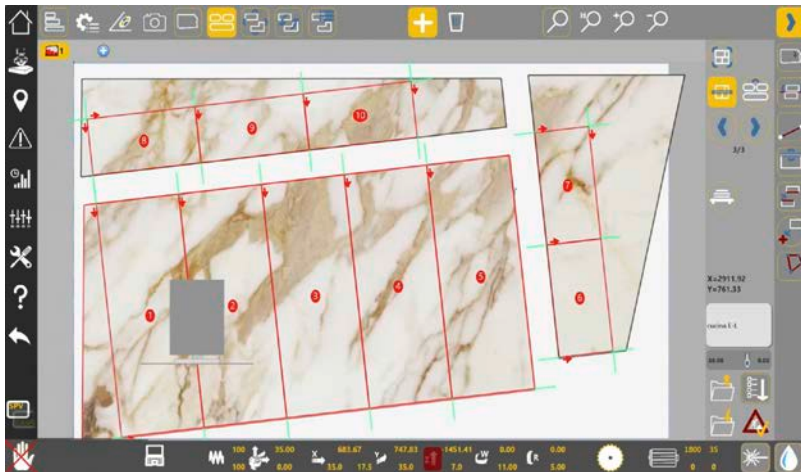
GMM Software

Unlock your machine's full potential with GMM software. Designed for precision, efficiency, and ease of use, it provides advanced features tailored for every application. Intuitive and user-friendly, it simplifies programming, optimizes workflows, and ensures consistent high-quality results across all machining operations.



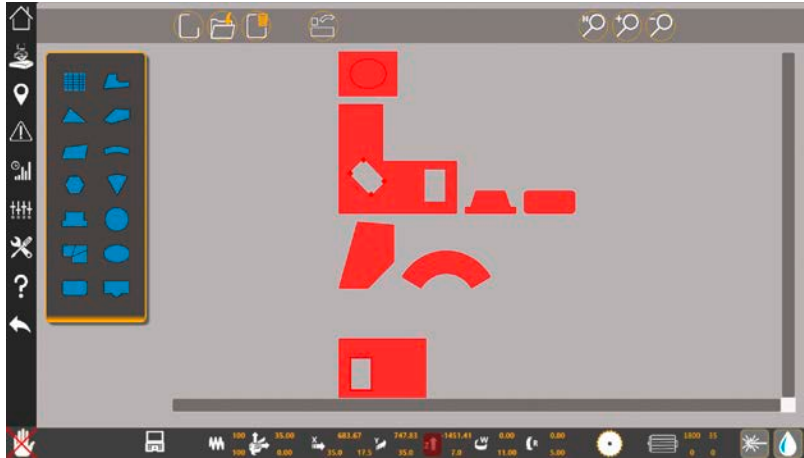
Cuts from CAD

This module allows simultaneous use of up to three tools: disc, milling cutter, and drill bit for vertical, angled, and curved cuts, as well as milling and drilling. Slab positioning is simplified: on camera-equipped machines, a photo captures the material, while probe-equipped machines detect thickness automatically. Drawings can be loaded from saved files, parametric shapes, or nested rectangles/squares, and then moved, rotated, or precisely positioned. Features like the Magnet function combine multiple cuts efficiently, while collision alerts and automatic resolutions with the vacuum system ensure safe and smooth operation.



Parametric Shapes

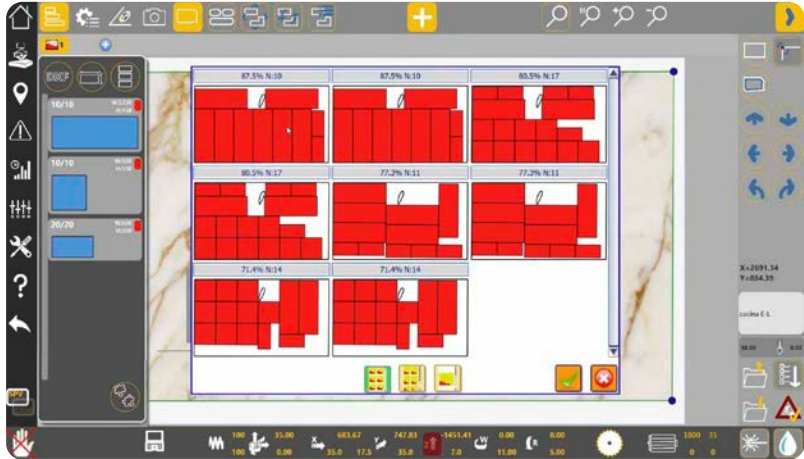
Parametric Shapes provides an easy way to create commonly used stone-working geometries. A wide range of editable templates, such as L-shaped countertops, rectangular cutouts, angled sides, grooves, drainboards, faucet holes, and reinforcement slots, can be fully customized. Dimensions, angles, bevels, offsets, and internal radii can all be adjusted to meet precise design requirements, streamlining production and ensuring accuracy.



Automatic Nesting

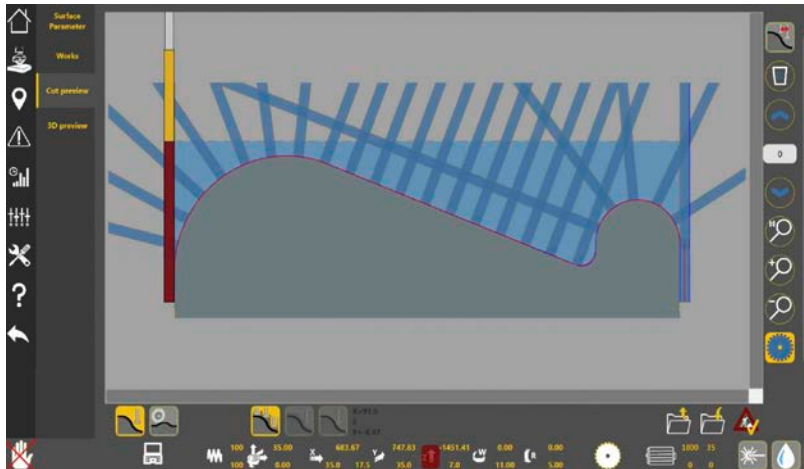
The Automatic Nesting utility efficiently groups multiple parts and assigns them to different slabs. Users define part sizes, quantities, and cutting priorities, and the software automatically arranges them for optimal material use. Slabs are selected from the database or inventory, with vacuum system movements considered for CAD cuts. Nesting layouts can be saved, recalled, or sent directly to the CAD cutting page, ensuring efficient, precise, and constraint-compliant production for the CAD cuts.

Even if the result may not always appear optimal to a trained eye, the positioning respects all constraints and available slab sizes. At the end, the nesting layout can be saved and recalled later, or sent directly to the CAD cutting page for execution. At the top, you'll see all the slabs and their assigned pieces, ready for cutting.



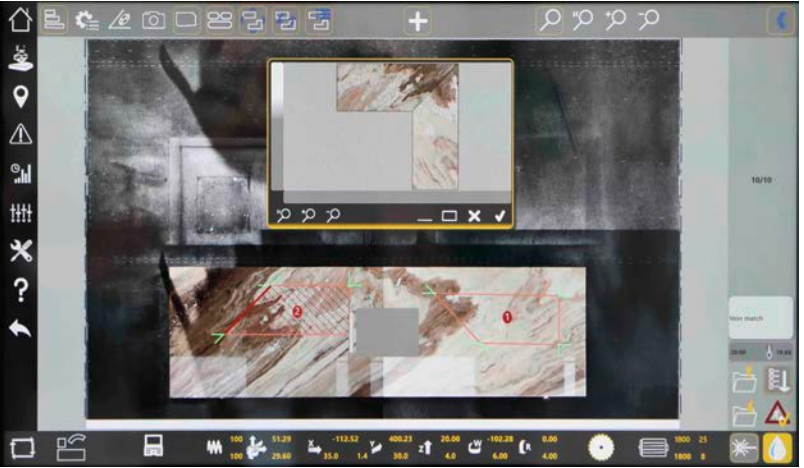
Profile and Shape

This module allows creation of profiles, shapes, or combined profile-shape operations using vertical or horizontal discs. For simple profiles, the disc can remain perpendicular to the material surface, ensuring superior finish. The machine supports roughing for fast material removal, finishing for smooth and precise surfaces, and spatulating, where the disc works sideways to achieve special contours and effects.



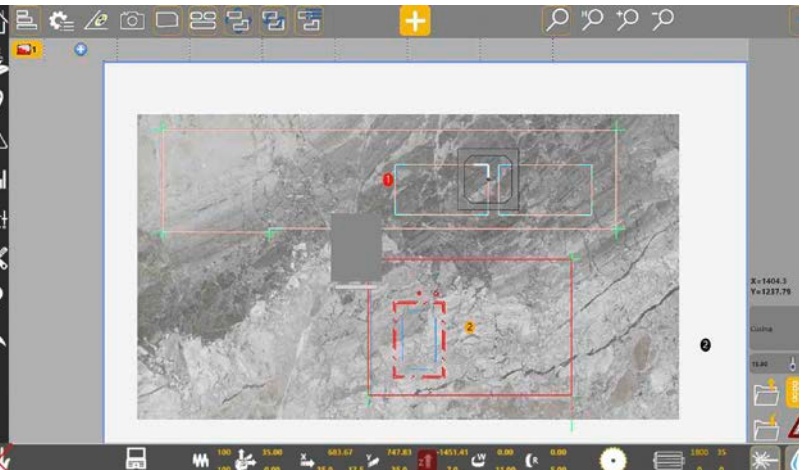
Vein Match

Vein Match brings out the natural beauty of stone, ensuring flawless alignment of veins across book-style walls, continuous-vein countertops, and premium flooring. The software allows precise adjustments before cutting, while the high-resolution camera captures every detail. Real-time previews on the 21" touchscreen optimize material usage, streamline production, and guarantee a high-impact, seamless finish.



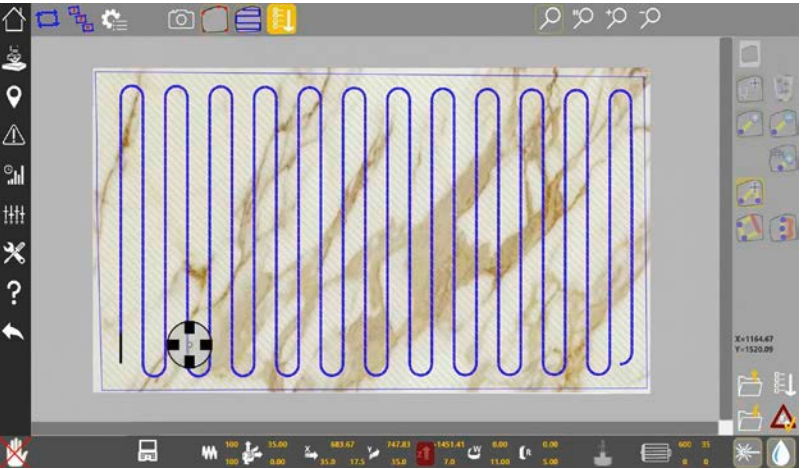
Sintered Material

This feature enables precise cutting of ultra-compact and synthetic materials. Operators can set cutting parameters via the slab perimeter and define material removal to manage slab de-tensioning. An optional function automatically extends closely spaced cuts up to a defined maximum distance, optimizing workflow and ensuring consistent, high-quality results.



Flat Polishing

Flat Polishing manages polishing through customizable tool cycles and sequences. Operators select the tool, set parameters such as diameter, height, RPM, and wear, and define movement types: perimeter, horizontal, vertical, or wave. Multiple pieces with varying heights can be processed, and work areas or tools can be adjusted dynamically. Cycles and sequences are previewed and modified for maximum flexibility, precision, and consistent high-quality finishing.



Configurations



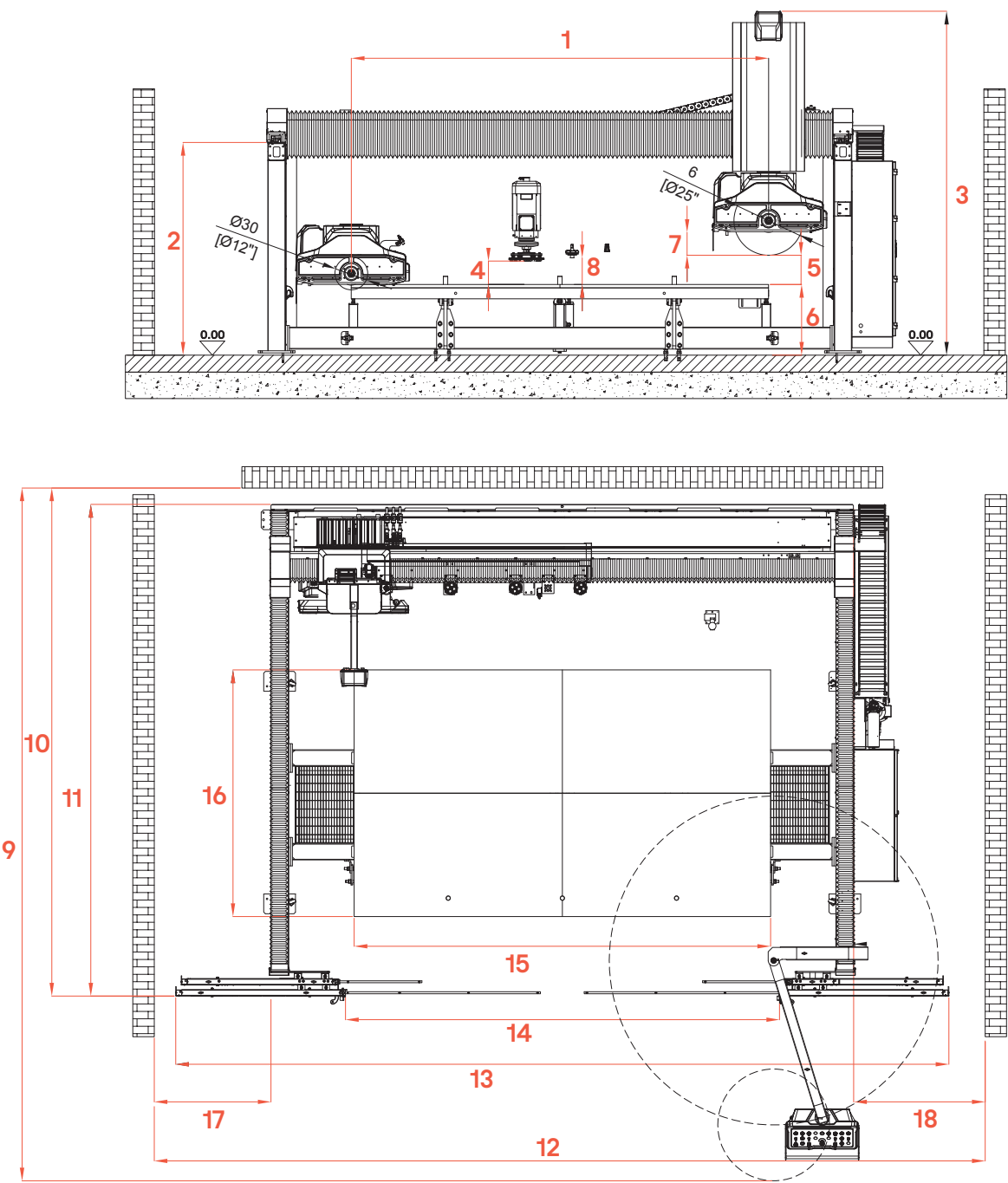
This document includes information about optional features. Scan the QR Code to access the configuration scheme and verify standard and optional equipment.

Technical Specifications

Interpolated Axes	n°	5
Maximum longitudinal stroke (X Axis)	[mm] [in]	3800 [149 1/2"]
Maximum bridge translation (Y Axis)	[mm] [in]	2900 [114 1/4"]
Maximum vertical travel of the blade	[mm] [in]	480 [19"]
Maximum Blade Orientation Angle (W Axis)	°	0 ÷ 370
Maximum blade tilting (R Axis)	°	0 ÷ 90
Worktable Area	[mm] [in]	3800x2250 [149 1/2"]x[88 1/2"]
Worktable Area with table extension	[mm] [in]	3800x2400 [149 1/2"]x[94 1/2"]
Maximum blade diameter	[mm] [in]	Ø625 [Ø24 3/4"]
Maximum cutting depth	[mm] [in]	205 [8 1/4"]
Blade Hole	[mm] [in]	Ø60 [Ø2 1/4"]
Blade Locking Flange Diameter	[mm] [in]	213 [8 1/2"]
Blade motor power	[kW]	13 (S6) / 16.5 (S6)
Side spindle motor power	[kW]	4
Variable Blade Speed	rpm	800 ÷ 6000
Variable Side Spindle Speed	rpm	12000
Variable Sledge Cutting Speed (X Axis)	[m/min] [ft/min]	35 114.8
Variable Sledge Cutting Speed (Y Axis)	[m/min] [ft/min]	35 114.8
Maximum Speed Z Axis	[m/min] [ft/min]	7,5 24.6
Water Clean Consumption (3 bar - psi)	[l/min] [gal/min]	30 6.59
Air Consumption (6 Bar - psi) (* With Vacuum System)	[l/min] [gal/min]	55 (*355) 12.09 (*93.77)
Max liftable weight with vacuum system	[kg] [lb]	500 1100
Standard Installation Dimensions (Width X Depth X Height)	[mm] [in]	7600x4480x3570 [8 1/2"]x[299 1/4"]x[176 1/2"]
Total machine mass	[kg] [lb]	5000 11023
Machine packing dimension	[m] [ft]	12.03 40' O.T. container

The detected sound pressure levels are measured under cutting, milling and boring conditions and may vary according to the machined material, tooling and working parameters. Measurements are carried out in accordance with UNI EN 16564:2015 and UNI EN ISO 11202:2010, with a measurement uncertainty of K = 3.2 dB(A). The machine operates with a weighted sound pressure level LpA of 82 dB(A) at the control station, with maximum values up to 90 dB(A) at other workstations; the indicated values are emission levels and do not necessarily represent safe operating levels.

Overall dimensions



1	[mm] [in]	3800 150
2	[mm] [in]	1940 76
3	[mm] [in]	3130 123
4	[mm] [in]	210 8
5	[mm] [in]	270 10
6	[mm] [in]	640 25

7	[mm] [in]	210 8
8	[mm] [in]	240 10
9	[mm] [in]	6320 249
10	[mm] [in]	4640 182
11	[mm] [in]	4490 177
12	[mm] [in]	7580 299

13	[mm] [in]	7060 278
14	[mm] [in]	3960 156
15	[mm] [in]	3800 150
16	[mm] [in]	2250 89
17	[mm] [in]	1070 42
18	[mm] [in]	1200 47

Biesse

Customer Care

Beyond machines. Value that works longer.

Biesse Customer Care delivers global expertise and local support, every day, everywhere, to protect your investment and enhance long-term machine performance.



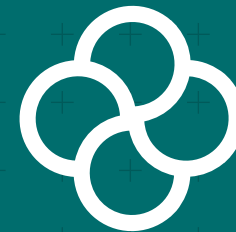
Services

- Installation & Warranty
- Remote assistance
- On-site assistance
- IoT Services



Maintenance

- Machinery maintenance
- Components maintenance



Components

- Spare parts
- Upgrades & Modernization
- Tooling
- Software



Training

- In-person coaching
- Customized education
- Remote training

Founded in Italy in 1969
International natives

We are an international company that manufactures lines, machinery and components for making products, enhancing the potential of a wide range of materials.

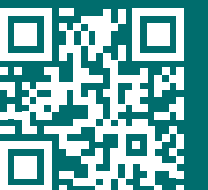
Thanks to our rooted competence nurtured by an ever-growing worldwide network, we support your business evolution - empowering your imagination.

Master of materials

We simplify your
manufacturing process
to make the potential
of any material shine

Join the
Biesse world.

biesse.com



Biesse Material·HUB

Network

Join the Biesse
Material Hub
experience

biesse.com



Biesse Material Hubs are multi-material spaces designed to experience our company and our complete product portfolio in a unique and engaging way.

A place to explore technologies, share ideas and find the right solution for you.

The world map reflects our identity as 'International Natives', showcasing our global presence through Biesse Material Hubs and showrooms worldwide.

 Biesse Material Hub  Showroom



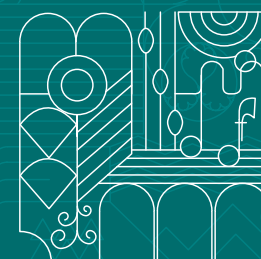
Reserve your visit
in one of our
multi-material
spaces around
the world



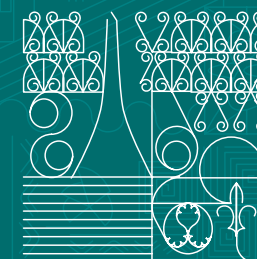
Canada | Toronto



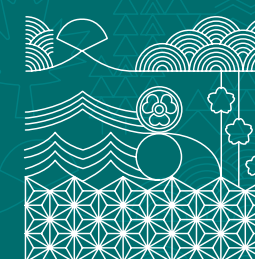
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