



Biesse
Machinery

Stone



GMM

Master Cut Up C W I

Cutting | Comby





Find your perfect fit

Flexibility and versatility in every cut.

Master Cut UP C W is a mid-size 5-axis CNC sawing machine that combines precision, power and easy operation in a compact footprint. With a 600 mm Z-axis stroke and a Ø 725 mm blade diameter, it handles slabs and medium-thickness stone elements with accuracy and efficiency. Its intuitive programming streamlines daily work and supports both repetitive and custom machining, making it a reliable solution for homeware decoration, small architectural projects and funerary applications.



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

Master

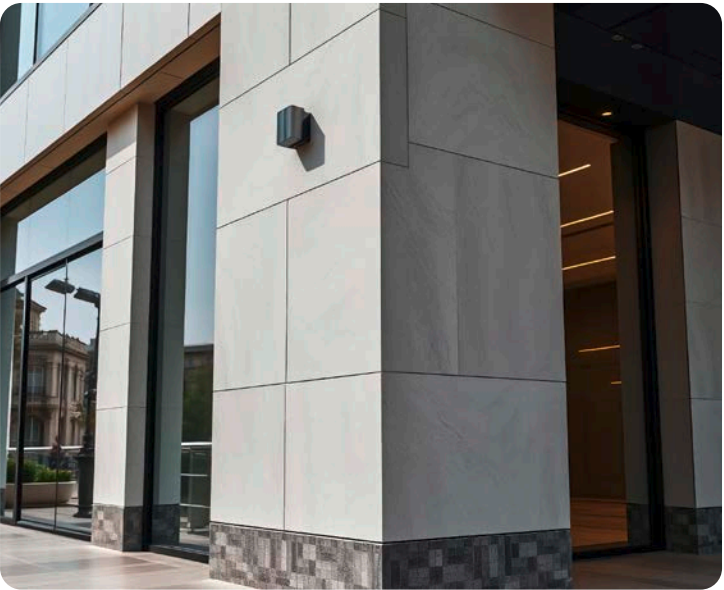
Cut Up C W I



Funerary
Art



Homeware
decorations



Building

Materials

Ns Natural Stone

Es Engineered Stone

Ss Sintered Stone



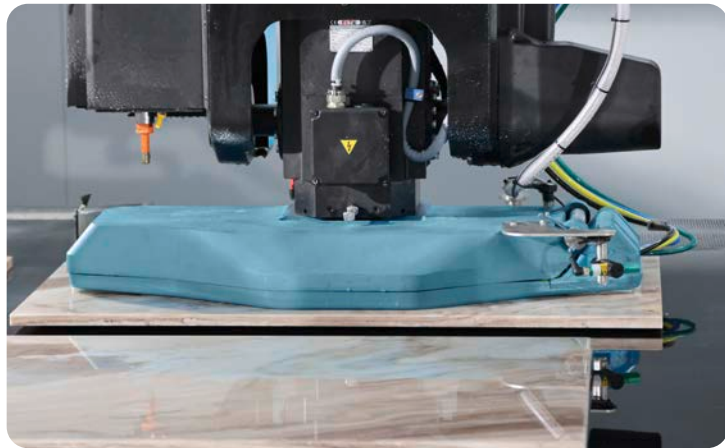
Human Machine Interface

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.



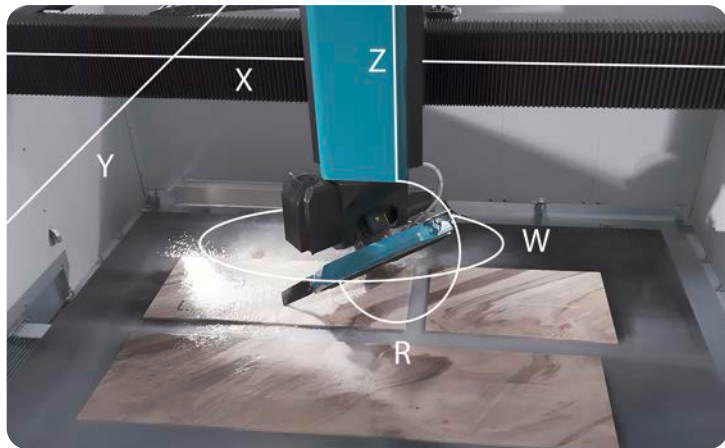
Side Spindle

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.



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.



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.



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.



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.

Configurations



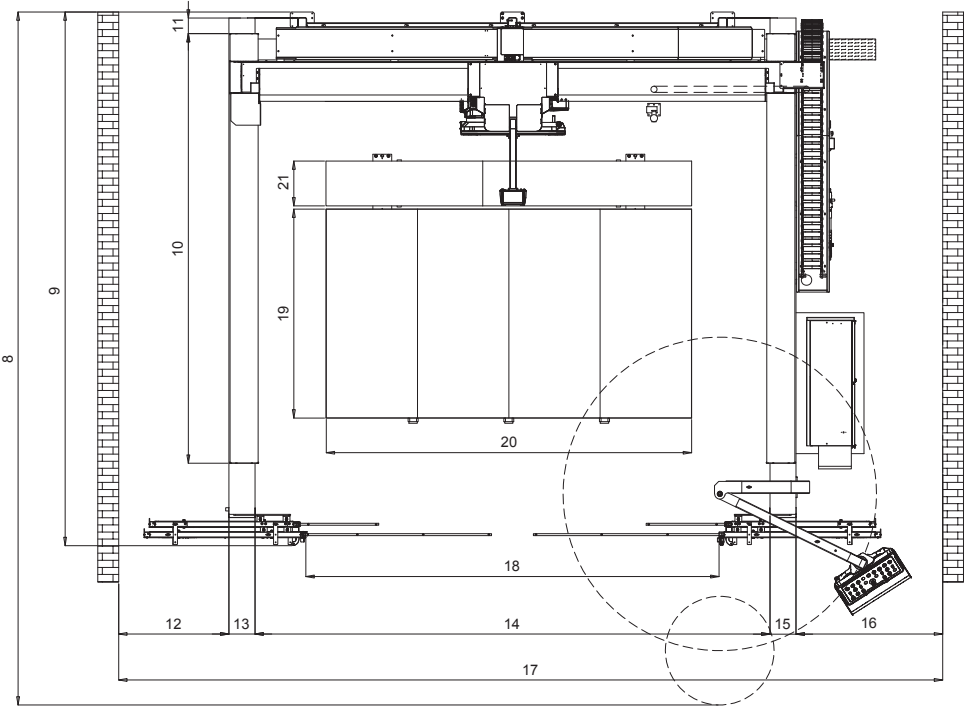
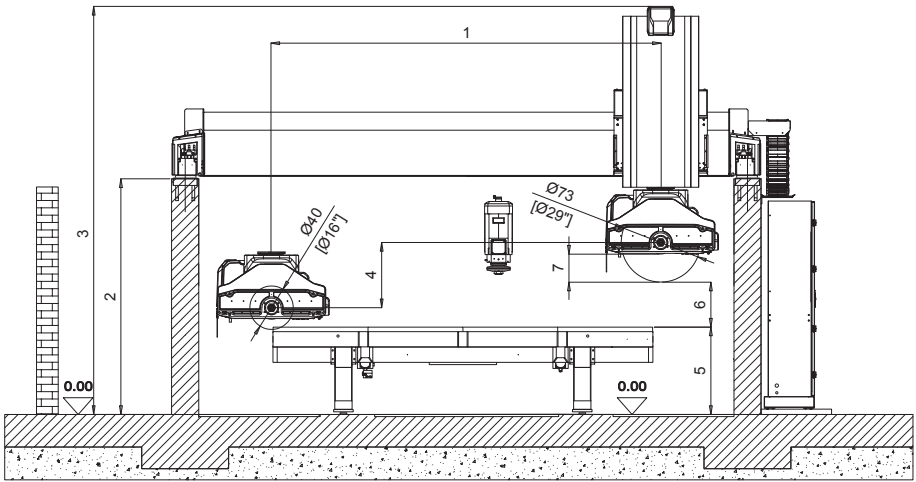
This document includes information about optional features. Scan the QR Code to access the configuration scheme and verify standard and optional equipment.

Technical Specifications

Interpolated Axes	n°	5
Maximum longitudinal stroke (X Axis)	[mm] [in]	3600 / 4100 [142"] / [161.4"]
Bridge translation (Y Axis) (Min/Max Std defined)	[mm] [in]	2500 to 6490 [98.42"] to [255.51"]
Maximum vertical travel of the blade (Z Axis)	[mm] [in]	600 [23.62"]
Maximum Blade Orientation Angle (W Axis)	°	0 ÷ 370
Maximum blade tilting (R Axis)	°	0 ÷ 90
Worktable Area	[mm] [in]	3500x2000 / 4000x2000 [137.79"] x [78.74"] / [157.48"] x [78.74"]
Worktable Area with table extension	[mm] [in]	3500x2460 / 4000x3300 [137.79"] x [96.85"] / [157.48"] x [129.92"]
Maximum blade diameter std	[mm] [in]	ø 725 [ø28.54"]
Maximum cutting depth	[mm] [in]	255 [10.03"]
Blade Hole for Std Motor / Blade hole for Iso 40 Cone	[mm] [in]	ø 60 / ø 90 [ø2.36"] / [ø3.54"]
Blade Locking Flange Diameter	[mm] [in]	213 [8.38"]
Blade motor power std / Iso 40 Cone	[kW]	16.5 - 23.5 (S6) / 19.5 (S6) air cooling - 25.9 (S6) water cooling
Torque	[Nm]	106 / 157.5 / 129.1 / 177.3
Variable Blade Speed for Std Motor / for Iso cone 40 Motor	[rpm]	800 ÷ 6000 / max 10000
Side spindle motor power	[kW]	4
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]	15 3.96
Cooling Water Consumption at 3 bar	[l/min] [gal/min]	50 13.21
Air Consumption (6 Bar - psi) (* With Vacuum System)	[l/min] [gal/min]	25 (*300) 6.60 (*79.2)
Max liftable weight with vacuum system	[kg] [lb]	500 1100
Standard Installation Dimensions (Width X Depth X Height)	[mm] [in]	7880x5510x3830 / 8070x7380x3830 [310.23"] x [216.9"]x[150.78"] / [317.71"] x [290.55"] x [150.78"]
Total machine mass (without steel wall and table)	[kg] [lb]	3270 7194
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



The drawing refers to an example configuration and is valid only for commercial purpose. Do not use for foundations and general machine supply constructions.

1	[mm] [in]	3600 142	8	[mm] [in]	6630 261	15	[mm] [in]	250 10
2	[mm] [in]	2170 85	9	[mm] [in]	5110 201	16	[mm] [in]	1400 55
3	[mm] [in]	3760 148	10	[mm] [in]	4110 162	17	[mm] [in]	7890 311
4	[mm] [in]	600 24	11	[mm] [in]	150 6	18	[mm] [in]	3960 156
5	[mm] [in]	810 32	12	[mm] [in]	1050 42	19	[mm] [in]	2000 79
6	[mm] [in]	410 16	13	[mm] [in]	250 10	20	[mm] [in]	3500 138
7	[mm] [in]	260 10	14	[mm] [in]	4930 194	21	[mm] [in]	430 17

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

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



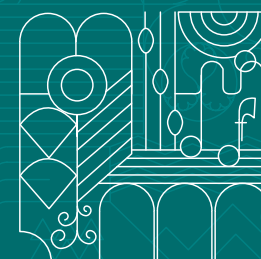
Reserve your visit
in one of our
multi-material
spaces around
the world



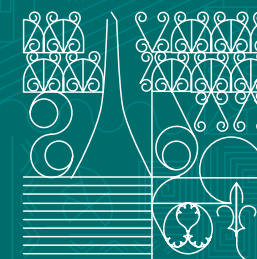
Canada | Toronto



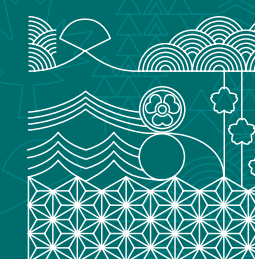
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Italy | Pesaro



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