



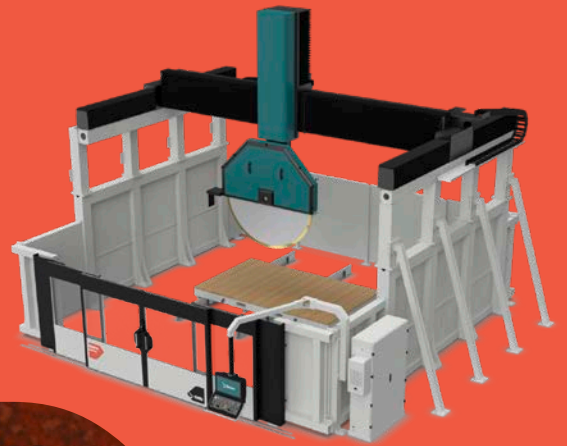
Biesse
Machinery



GMM

Master Cut Pro B W T

Cutting | Block

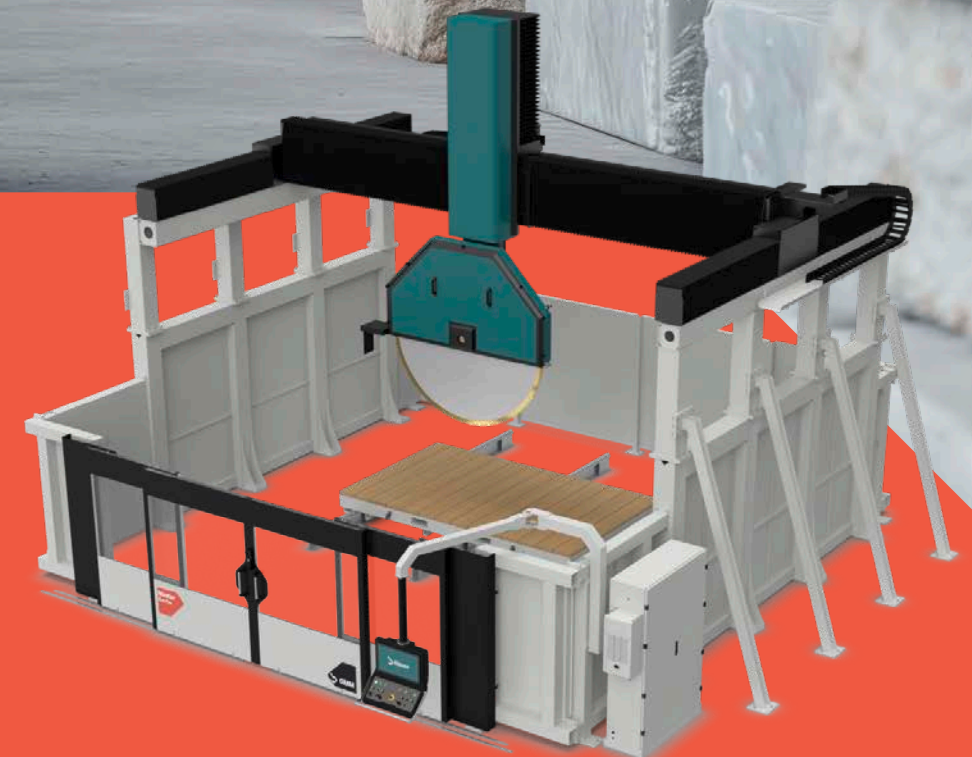


Biesse

Find your perfect fit

Big block cutter with 5-axis bridge saw agility.

Master Cut Pro B W T: a one-of-a-kind machine concept, delivers the power of a large block-cutting machine with the agility and versatility of a 5-axis bridge saw. Its robust structure, advanced motion technology and precise control system enable complex cuts, high productivity and exceptional accuracy. Master Cut Pro B W T is engineered to handle demanding workloads while providing the flexibility required for modern stone processing.



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

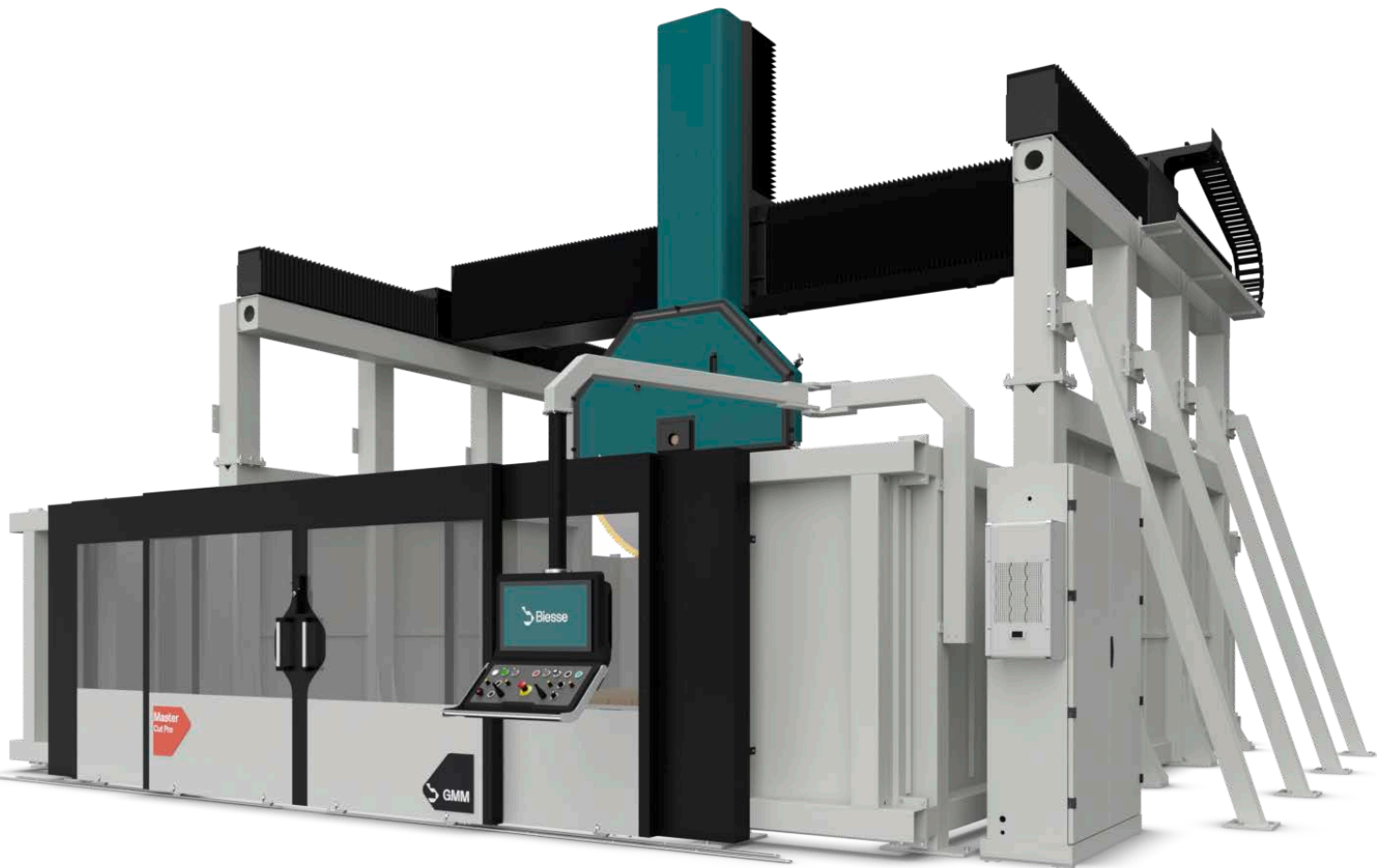
Agility
and expertise

Go

Simplicity
and compactness

Master

Cut Pro B W T



GMM
technology



Discover
more

Materials

Ns Natural Stone



Block size reduction



Slabs from block



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.



Cutting Capabilities

The machine offers versatile cutting capabilities, including vertical, inclined, parallel, orthogonal, and diagonal cuts. Its tilting head and precise guides ensure flexibility and accuracy for every production need.



Workable Dimensions

Flexibility for every material size. The machine accommodates large and thick materials, with blade diameters up to Ø 1400–2200 mm (depending on configuration) and cutting depths from 510 mm to 910 mm. This allows cutting everything from thin veneers to blocks nearly a meter thick without platform changes.



Architecture

Built to last under any load. The machine features a robust structural design with welded and hot-galvanized steel, stabilized to ensure dimensional stability even under heavy loads, providing durability and reliable performance.



5-Axis Technology

Achieve complex shapes with precision. With a tilting and rotatable head, the optional 5-axis system enables non-standard cuts, ideal for customized work and intricate profiles, providing maximum flexibility for advanced stone processing.



Mechanical System

Smooth, precise, and reliable motion. The machine features brushless axes with absolute encoders, recirculating ball guides, and zero-backlash rack-and-pinion drives, ensuring fluid, repeatable, and highly accurate movements for every operation.



Power and Gear Reducer Head

All the power you need for precise cutting. The Master Cut Pro B W features a high-power motor, up to 57kW, and gear reducer head, delivering exceptional torque and speed control. This ensures efficient, precise cutting of hard materials, deep cuts with large tools, and reliable performance for small or large productions.



Continuous and Efficient Operations

Flexible production with streamlined workflow. The machine handles both serial and single-piece processing while the low table support with adjustable anchors allows fast, easy material loading and unloading. This combination ensures smooth, high-throughput operations.

Configurations



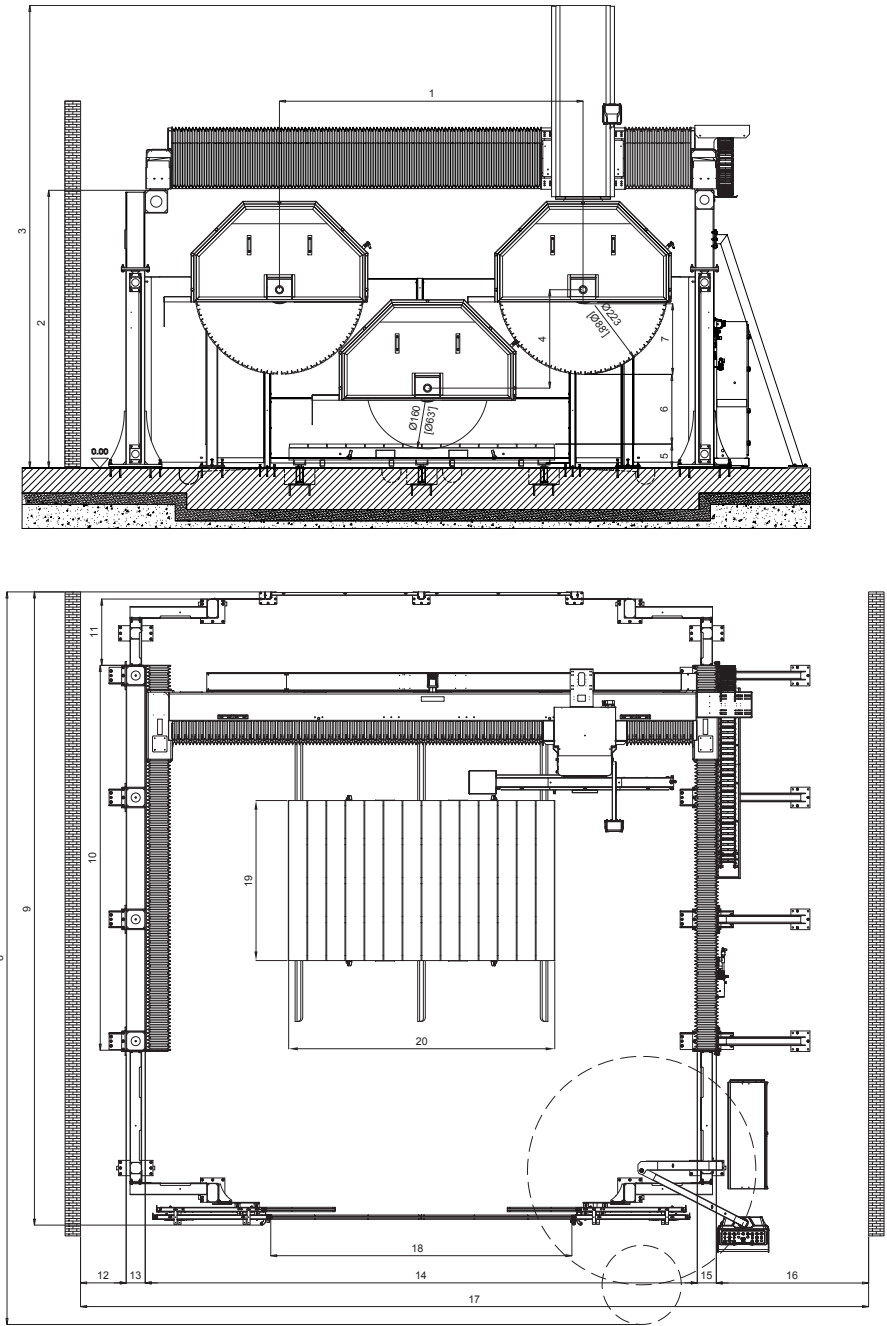
This document includes information about optional features. Scan the QR Code to access the configuration scheme and verify standard and optional equipment.

Technical Specifications

Interpolated Axes	n°	3 (5)
Maximum longitudinal stroke (X Axis)	[mm] [in]	4000 [153.5"]
Bridge translation (Y Axis) (Min/Max Std defined)	[mm] [in]	3650 to 14500 [143.7" - 570.8"]
Maximum vertical travel of the blade (Z Axis)	[mm] [in]	1300 [51.1"]
Maximum Blade Orientation Angle (W Axis)	°	0 ÷ 370
Maximum blade tilting (R Axis)	°	0:46°
Worktable Area	[mm] [in]	3500 x 2000 [137.79" x 78.74"]
Maximum blade diameter std /Optional	[mm] [in]	Ø 2200 [Ø 86.6"]
Maximum cutting depth	[mm] [in]	910 [358"]
Blade Hole for Std Motor	[mm] [in]	Ø 80 [Ø 3.19"]
Blade Locking Flange Diameter	[mm] [in]	370 [14.5"]
Blade motor power	[kW]	44 / 57 (S6)
Torque	[Nm]	291 / 370
Variable Blade Speed for Std Motor	[rpm]	350 ÷ 900
Variable Sledge Cutting Speed (X Axis)	[m/min] [ft/min]	36 118.08
Variable Sledge Cutting Speed (Y Axis)	[m/min] [ft/min]	36 118.08
Maximum Speed Z Axis	[m/min] [ft/min]	6 19.68
Water Clean Consumption (3 bar - psi)	[l/min] [gal/min]	60 15.84
Air Consumption (6 Bar - psi) (* With Vacuum System)	[l/min] [gal/min]	80 21.12
Standard Installation Dimensions (Width X Depth X Height)	[mm] [in]	9500 x 7830 x 6140 [374.01" x 308.26" x 241.73"]
Total machine mass (without steel wall and table)	[kg] [lb]	8555 18821
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]	4000 157	8	[mm] [in]	9620 379	15	[mm] [in]	250 10
2	[mm] [in]	3660 144	9	[mm] [in]	8310 327	16	[mm] [in]	2000 79
3	[mm] [in]	6090 240	10	[mm] [in]	5050 199	17	[mm] [in]	10350 407
4	[mm] [in]	1300 51	11	[mm] [in]	870 34	18	[mm] [in]	3960 156
5	[mm] [in]	320 12	12	[mm] [in]	600 24	19	[mm] [in]	2000 79
6	[mm] [in]	920 36	13	[mm] [in]	250 10	20	[mm] [in]	3500 138
7	[mm] [in]	930 37	14	[mm] [in]	7250 285			

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



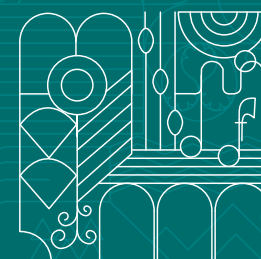
Reserve your visit
in one of our
multi-material
spaces around
the world



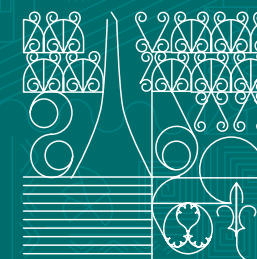
Canada | Toronto



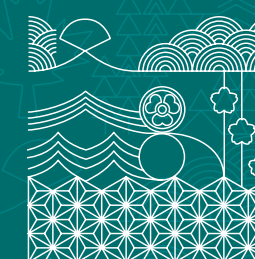
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