

brembana venkon

5 axes bridge saws



CMS is part of SCM Group, a technological world leader in processing a wide range of materials: wood, plastic, glass, stone, metal and composites. The Group companies, operating throughout the world, are reliable partners of leading manufacturing industries in various market sectors, including the furniture, construction, automotive, aerospace, ship-building and plastic processing industries. SCM Group coordinates, supports and develops a system of industrial excellence in 3 large highly specialized production centres employing more than 4,000 workers and operating in all 5 continents. SCM Group: the most advanced skills and know-how in the fields of industrial machinery and components.

CMS SpA manufactures machinery and systems for the machining of composite materials, carbon fibre, aluminium, light alloys, plastic, glass, stone and metals. It was established in 1969 by Mr Pietro Aceti with the aim of offering customized and state-of-the-art solutions, based on the in-depth understanding of the customer's production needs. Significant technological innovations, originating from substantial investments in research and development and take-overs of premium companies, have enabled constant growth in the various sectors of reference.

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CMS Stone Technology realizes avant-garde solutions for the working of marble, natural stones and composite stones. Under the brand name Brembana Macchine, CMS Stone Technology was in the 80's the first manufacturer of a stone machining centre, thanks to an idea of its founder Mr Pietro Aceti. **CMS Stone Technology** has always been a reliable technological partner in designing unique solutions, for any need, in the world of building, architecture, interior and exterior decoration and wherever the use of stone and marble products is required.

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APPLICATIONS



furniture | countertops | inlays and mosaics | doorsteps | staircases and thresholds



funerary art | street furniture | architectural and dimensional stonework



Strong.

Modern.

Adaptable.

Reliable.

Technological solutions.

SMART machines for you production needs.

5 axes bridge saws

BREMBANA VENKON

TECHNOLOGICAL BENEFITS

5-AXIS MONOBLOCK CNC SAW MACHINE

It's the new generation for numerically controlled 5-axis Bridge Saws. Extremely compact and easy to install; it doesn't require any foundations, even as a possible re-installation. The machine is built with the needs of workshops in mind and it is used for cutting slabs up to 200 mm in thickness (with blade Ø625 mm) of natural stone, synthetic stone, and ceramic.

The weight of the machine, up to 4.4 tons, ensure perfect rigidity for the production of:

- kitchen countertops
- vanity tops
- wall panels for interiors and exteriors
- flooring
- doorsteps, staircases and thresholds
- street furniture

KEY BUYER BENEFITS

- + **Unrivalled mechanics:** The weight of the machine up to 4.400 kg ensures the optimal absorption of stresses derived from machining, guaranteeing a high constant precision over time. The machine base fixed directly to the ground, without the need of building work, increases the stability and performance.
- + **We work safely:** Blade automatic redressing station can be activated by a specific function on the operator panel.
- + **Maximum freedom for your projects:** Rotary axes are fully interpolated with linear axes: the machine can therefore perform 5-axis machining with a tool and/or disc if necessary.
- + **Easy programming:** Simple and intuitive programming, thanks to the software installed on-board the machine.

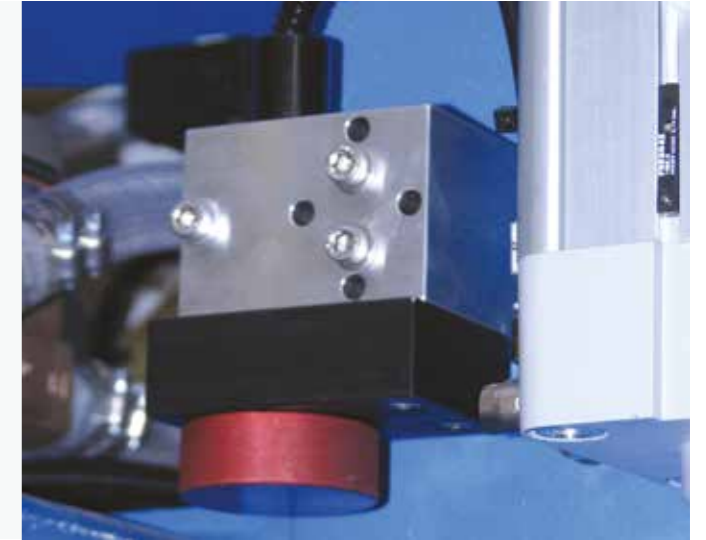


ACCESSORIES

TILTING BENCH available with wood or rubber (optional) table, with maximum load up to 800 kg



CROSS LASER used to define in a fast and easy way the piece origin or to obtain a two-dimensional templates to be used for other processings

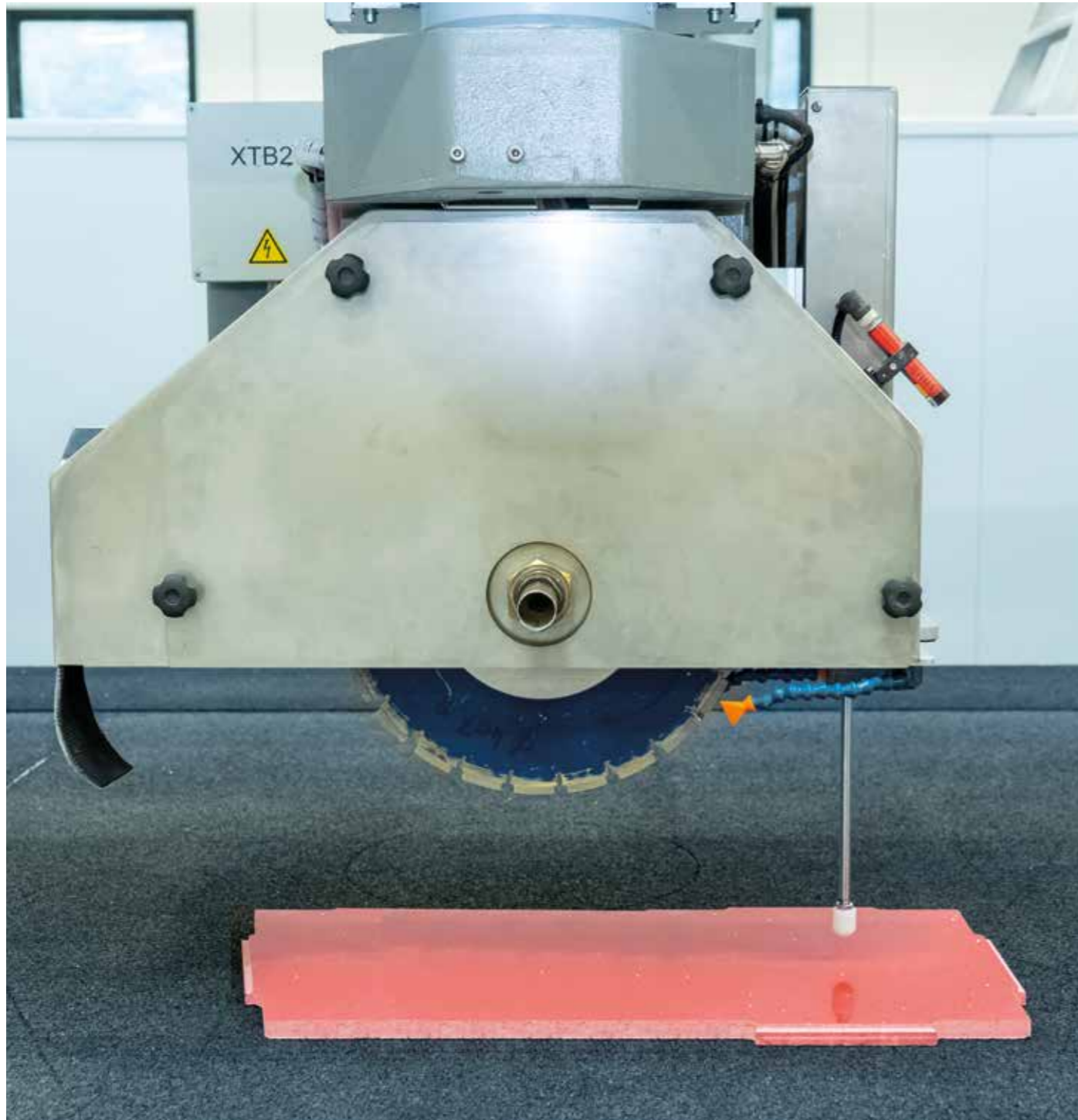


PC PANEL with touch screen controls and 15" screen



SPINDLE MANAGED by an inverter, it allows the rpm regulation from 0 up to 5.000. It can be used with diamond tools as finger bits or core drills. The tools changer is manual

OPTIONAL



SLAB THICKNESS PROBE for the automatic measuring of the piece thickness



DISK PRESETTING to measure disk diameter and finger bits or core drills length



DISK AUTOMATIC RESTART STATION it can be activated by a specific function on the operator panel

BREMBANA VENKON SOFTWARE

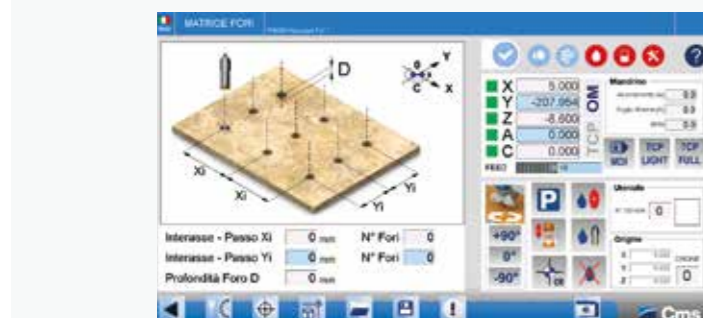
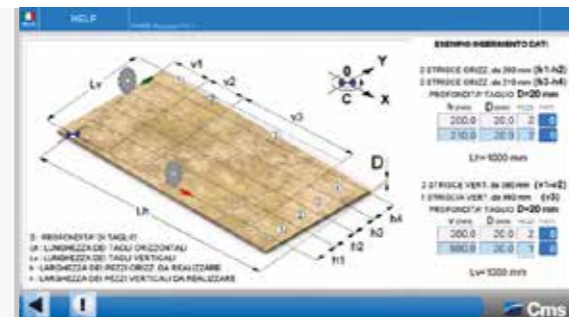
The software has been entirely developed by CMS in order to manage all the typical processes of the industry in the most efficient way:

- Linear (vertical or inclined) and parametric cuts, drilling and profiling
- Kitchen countertops production with internal edge management
- With finger bits or core drills.

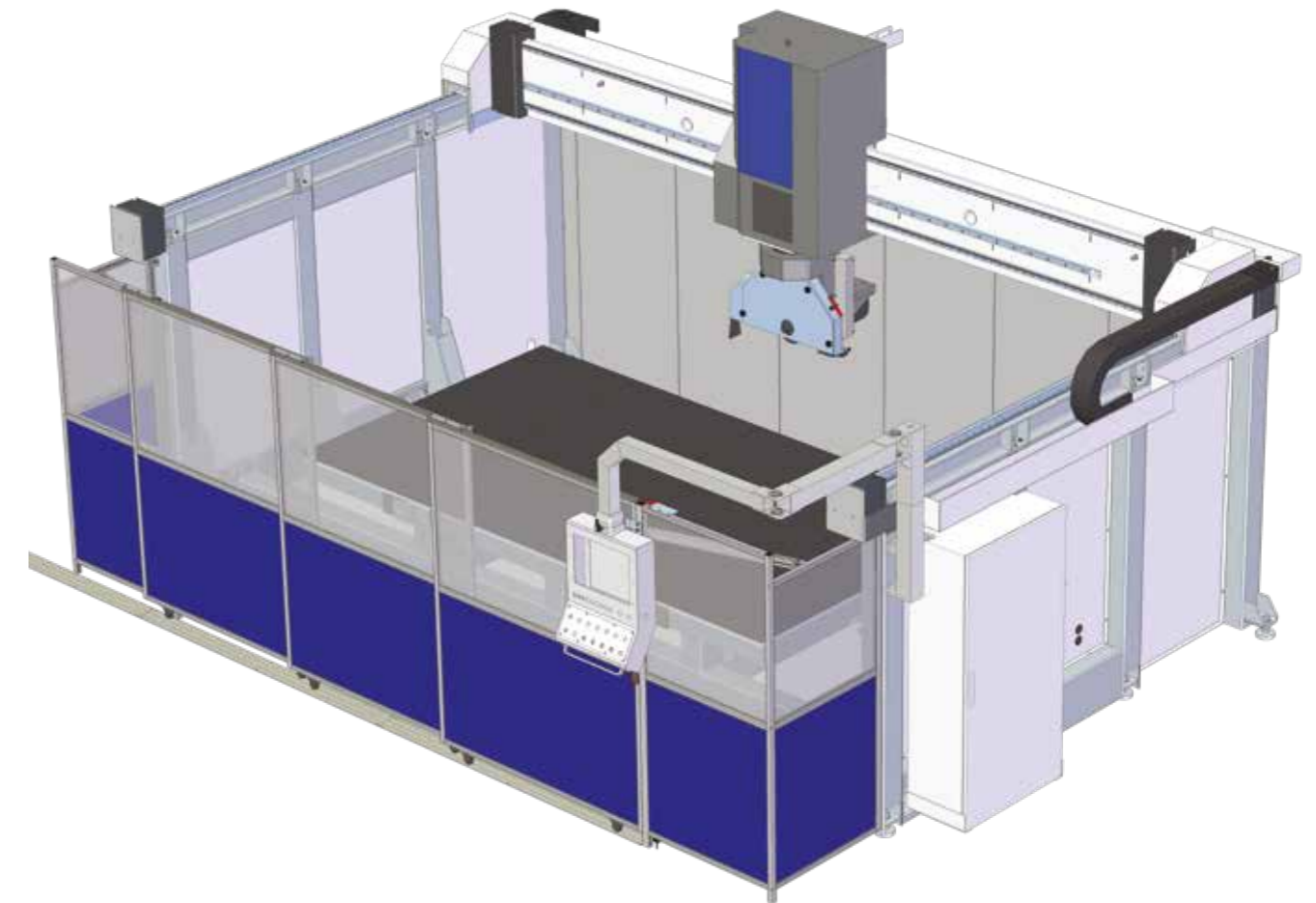
Adding a software module the machine gets new functions as follow:

- Import of DXF files created with external CAD
- Manual nesting
- 3D profiling, linear or curved
- Brushing by backing pad with Frankfurt inserts
- Engraving / Writing

The machine can be managed either manually or automatically, using the parametric programs offered by the software and the laser projector supplied as standard with the machine.



BREMBANA VENKON DIMENSIONS AND TECHNICAL DATA



BREMBANA VENKON: TECHNICAL DATA

DISK DIAMETER	350 ÷ 625 mm / 14÷25 in
MAXIMUM WORKING THICKNESS (WITH DISK)	200 mm / 8 in
ELECTROSPINDLE	14,3 KW / 19 HP
ELECTROSPINDLE REVOLUTION	0÷5000 rpm
HEAD REVOLUTION (C AXIS)	± 180° (360°)
HEAD INCLINATION (A AXIS)	0° - 90°
X AXIS STROKE	3950 mm / 156 in - 30 m/min
Y AXIS STROKE	2450 mm / 96 in - 25 m/min
Z AXIS STROKE	400 mm / 16 in - 7.5 m/min
WORKBENCH DIMENSIONS	3600x2000 mm / 142x98 in
MINIMUM SPACE REQUIRED FOR INSTALLATION	6400*x4110x3020 mm / 252*x162x119 in
OVERALL MACHINE WEIGHT	Up to 4.400 kg / 9700 lb

* excluding space necessary for electrical cabinet access

THE RANGE OF CMS STONE TECHNOLOGY

FOR STONE PROCESSING

MACHINING CENTERS



BREMBANA SPEED



BREMBANA SPEED TR

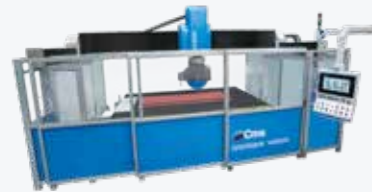


BREMBANA MAXIMA



BREMBANA G-REX

5 AXES BRIDGE SAWS AND 5 AXES SAW JET MACHINES



BREMBANA VENKON



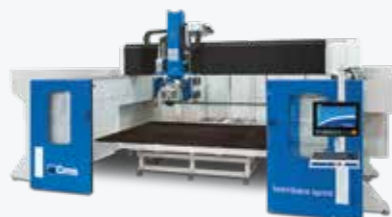
BREMBANA KOSMOS



BREMBANA IMPACT



BREMBANA FORMAX



BREMBANA SPRINT



BREMBANA GIXA

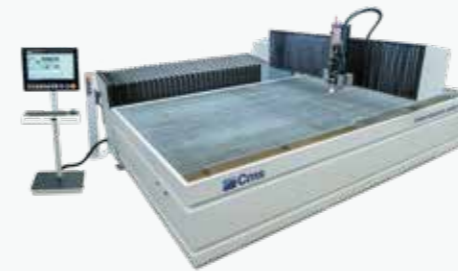


BREMBANA KOSMOS JET



BREMBANA FORMAX JET / SPRINT JET

WATERJET CUTTING SYSTEMS



BREMBANA EASYLINE



BREMBANA MILESTONE S



BREMBANA PROLINE



BREMBANA AQUATEC

PRESSURE INTENSIFIERS



BREMBANA JET POWER EVO



BREMBANA GREENJET EVO



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