

### Breton Combi

is the advanced 5-axis monoblock combined saw blade & waterjet machining center, able to perform a wide range of slab processing, even ultra-thin ones. The efficient use of the saw blade or the waterjet system guarantees waste minimization and vertical, inclined rectilinear and/or curvilinear cuts.

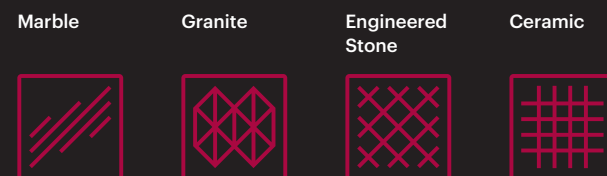
With the addition of the new accessories, Optima and Rocket Tool, Combi becomes the most complete working center for slab processing.



Combi has a wide range of accessories such as LabelPro (label printer), Rocket tool (additional electrospindle), Optima (vacuum cup system), Osob (camera on board the beam), articulated tilting table and automatic platform exchange

### EXCLUSIVE TECHNOLOGIES

Thanks to the particular type of structure (simulated with the most modern calculation tools) and the special cutting electrospindle, Combi provides the best quality and performance on different materials.



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**Breton – a pioneering developer of advanced technologies and materials – is an international leader in the design and production of state-of-the-art industrial machinery and systems to create and transform natural stone, ceramics, metals and in the development of engineered stone plants.**

Founded in 1963 by Marcello Toncelli, with headquarters in Treviso (Castello di Godego), two other production sites in Italy and six foreign branches (USA, Australia, India, China, UK, Brazil), the company is recognized worldwide thanks to its philosophy always aimed at research.

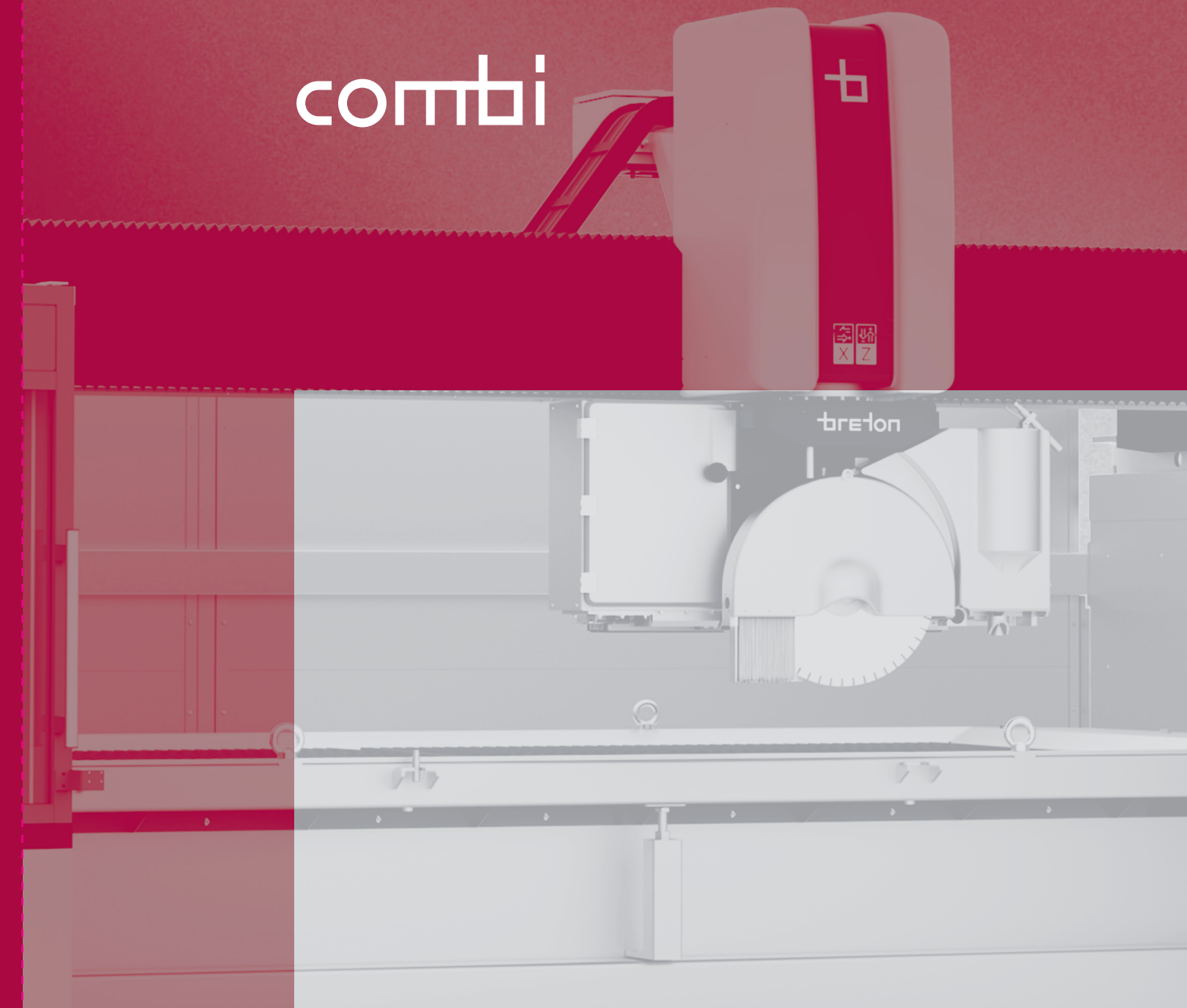


The aspiration to explore new technologies, as an integral part of the company's DNA, has led to the establishment of the BIT (Breton Institute of Technology), where the various dedicated teams design and test innovative solutions to develop materials that anticipate the industry needs.

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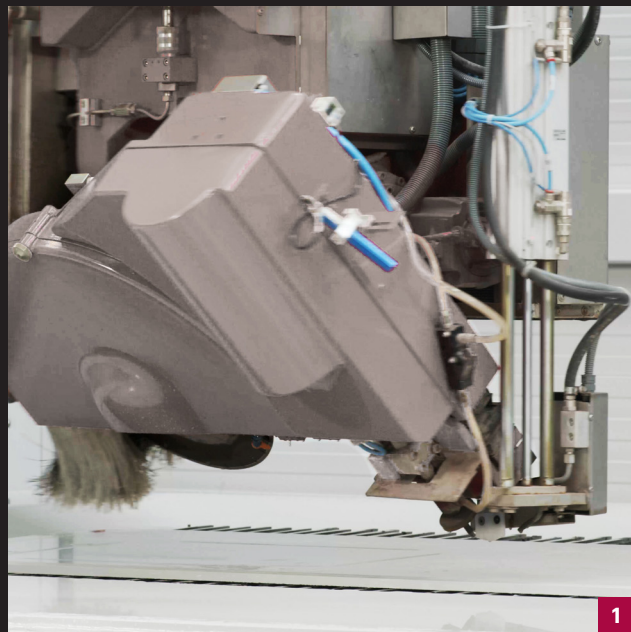
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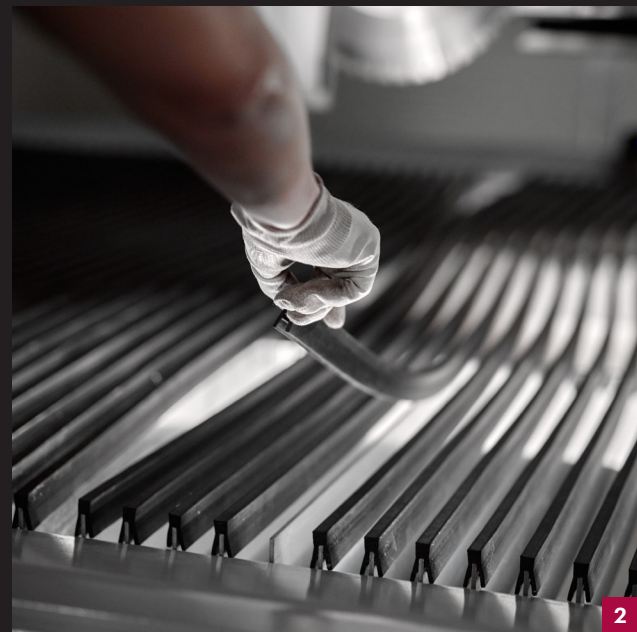
The advanced 5-axis monoblock CNC combined saw blade & waterjet machining center, for processing slabs in marble, granite, engineered stone, Lapitec and ceramic.

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1. Saw blade cutting technology combined with Waterjet cutting technology
2. Slatted material table with easily replaceable rubberized profiles
3. Optima (optional), the automatic positioning and suction cup gripping system
4. Miterwave Touch (optional), the real time adjustment system of the cutting trajectory
5. Garnet flow sensor to prevent any possible damage to the slab

## 5 reasons to choose Combi:

**Efficient combined cutting technology (saw blade and waterjet) equipped in the same spindle:** waterjet cutting turns on only when it is expressly requested by the kind of cut in order to minimize working time.

**Quick installation and machine start-up thanks to the galvanized monoblock structure** which requires no foundations.

**Smart intelligence in cutting process:** Breton Touch, the onboard software, automatically suggests to the operator the better cutting schemes to optimize the surface usage.

**Faster cutting** thanks to automatic positioning and suction cup gripping system on the spindle.

**Realizing perfect 45° cuts, even on non-flat slabs,** minimizing any possible deflection and allowing real time adjustment of the cutting trajectory for the most accurate 45° angle thanks to hardware & software package suite Touchwave.

Steel hot-dip galvanized monoblock structure that allows the machine to be easily relocated in the workshop

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## TECHNICAL DATA

|  |                                       |                                      |
|--|---------------------------------------|--------------------------------------|
| <b>Length</b>                                  | 8.120 / 10.510 (with lateral pump) mm | 319.7 - 413.8 (with lateral pump) in |
| <b>Width</b>                                   | 6.680 mm                              | 259.8 in                             |
| <b>Height</b>                                  | 5.500 mm                              | 216.5 in                             |
| <b>X-axis</b> (travel   speed)                 | 4.500 mm   45 m/min                   | 177.2 in   1,771.6 ipm               |
| <b>Y-axis</b> (travel   speed)                 | 3.050 mm   45 m/min                   | 120.1 in   1,771.6 ipm               |
| <b>Z-axis</b> (travel   speed)                 | 320 mm   15 m/min                     | 12.6 in   590.6 ipm                  |
| <b>Motor spindle</b>                           | 18 kW                                 | 24 HP                                |
| <b>Slab sizes</b> (inclined waterjet inwards)  | 3.650 x 2.150 mm                      | 143.7 x 84.6 in                      |
| <b>Slab sizes</b> (inclined waterjet outwards) | 3.400 x 1.900 mm                      | 133.8 x 74.8 in                      |
| <b>Slab thickness</b> (saw blade)              | 70 mm                                 | 2.75 in                              |
| <b>Slab thickness</b> (waterjet)               | 140 mm                                | 5.5 in                               |

