

Green news for the quartz-based engineered quartz industry

Recently, a few Spanish and international press organizations have published articles regarding the dangers of breathing in fine crystalline silica dust during dry machining processes of quartz slabs in the absence of appropriate operator protections.

First, it is important to point out that crystalline silica is not only present in quartz slabs but also in many other materials for the world of construction and architecture: from ceramic slabs to granite slabs, sandstone slabs, and so on.

Breton informs entrepreneurs in the engineered quartz slab sector and institutions responsible for protecting workers' health that a concrete solution to this serious problem already exists. Simply replace natural quartz with Bioquartz®.

Bioquartz® is the first industrial quartz free of crystalline silica, obtained through a special technological process of pyrolytic fusion of a mix of common minerals. Breton has developed and patented slabs produced from this innovative material. This is to enable the production and distribution of 100% silica-free quartz slabs and, therefore, totally safe for operators. Bioquartz® slabs boast equal technical and aesthetic characteristics of natural quartz slabs, as well as the same ease of processing.

In addition, from the perspective of circular economy and waste valorization, the production process of this innovative material allows for the reuse of processing sludge and slurries left over from traditional natural quartz slab manufacturing processes.

Breton has also developed Lapitec: the first sintered stone completely free of crystalline silica manufactured in large, full-thickness slabs.

For more than sixty years, Breton has been committed to making the stone processing industry increasingly efficient, sustainable, and respectful of the environment and the people who populate our planet. The consolidated experience in the industry and the strong will to innovate sustainably elevate Breton as a global reference in the composite stone industry and a strategic partner for all who aspire to innovate through concrete solutions for the present and, above all, for the future.

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The Breton Group

Breton - a pioneer in the development of advanced technologies and materials - has been an international leader since 1963 in the design and production of state-of-the-art machines and industrial plants for processing natural stone, ceramics and metals, and in the development of plants for engineered stone and additive printing.

Founded in 1963 by Cav. Marcello Toncelli, Breton is headquartered in Treviso, Italy (Castello di Godego) and has two other production sites (in Campiglia dei Berici and Vedelago), seven foreign branches, almost a thousand employees, and has established itself on the global market thanks to its philosophy always focused on research and innovation.

Throughout its history, Breton has more than 417 patented inventions, with a total of more than 1700 patents filed worldwide. The company devotes more than 5% of its turnover each year to research and development.

www.breton.it