

## Press Release

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### Popular in Japan: Vacupress systems from Grenzebach

#### **Three further systems for deaeration and compaction of silicic acid are to be installed in Mid-2020 – Strategic partnership with Matsubo**

Japanese customers appreciate the performance and durability of Grenzebach Vacupress systems. Within three years, Grenzebach and its strategic partner Matsubo, a technology corporation headquartered Tokyo, have supplied six Vacupress systems for the Japanese market. In 2019 alone, three systems were sold. These will be put into service in Asia in 2020. "We are pleased that the Vacupress is so well received by Matsubo's customers. That underlines the outstanding position we have been able to establish with this technology on an international level," says Patrick Barthel, Sales Manager Process Technology at Grenzebach. Matsubo and Grenzebach have cooperated closely in a strategic partnership since 2018. Seiichi Yagasaki, Project Manager at Matsubo, emphasizes: "Our customers value the 'Made in Germany' quality of the Grenzebach Vacupress systems. The Vacupress stands out for its excellent performance, leading to excellent results, and its durability and long service life, which give its users an additional competitive advantage."

#### **A new trio for silicic acid compaction**

The Vacupress trio to be delivered in Mid-2020 will be used for deaerating and compacting silicic acid, as are the three systems already running in Japan. Silicic acid is used for various purposes in chemical industry. In order to improve product handling and save storage and shipping costs, the silicic acid is deaerated and compacted using the Vacupress. The systems used densify the material at a factor of almost 1.5.

#### **Reducing shipping and packaging costs**

Vacupress systems are used for processing powders of less than 40 µm particle size and with bulk weights under 750 kg/m<sup>3</sup>. They serve as deaerators and compactors upstream from packaging equipment. Reduced shipping volumes and less dust generation as well as easier handling of the compacted products by the end users are clear practical benefits. Moreover, Vacupress systems can be used as metering systems for better integration of materials into downstream process stages, or as pre-compactors in combination with granulators.

#### **Extra gentle product compaction**

Reductions in volume of up to 75 % are achieved. Densification of the product is particularly gentle. The pressing forces applied in the Vacupress are relatively low and thus have only a minimal impact on the characteristics of the products treated. The product flakes and slivers produced can be converted back to their original fine powdered state at any time without having to apply strong shearing forces. The Vacupress is suitable for bulk weights of less than 750 kg/m<sup>3</sup> and temperatures up to about 100°C. The main applications today are in the processing of silicic acid, carbon black, pigments, aluminium oxide and magnesium oxide. Grenzebach Vacupress systems are rated for operation in potentially explosive atmospheres in accordance with ATEX directives.

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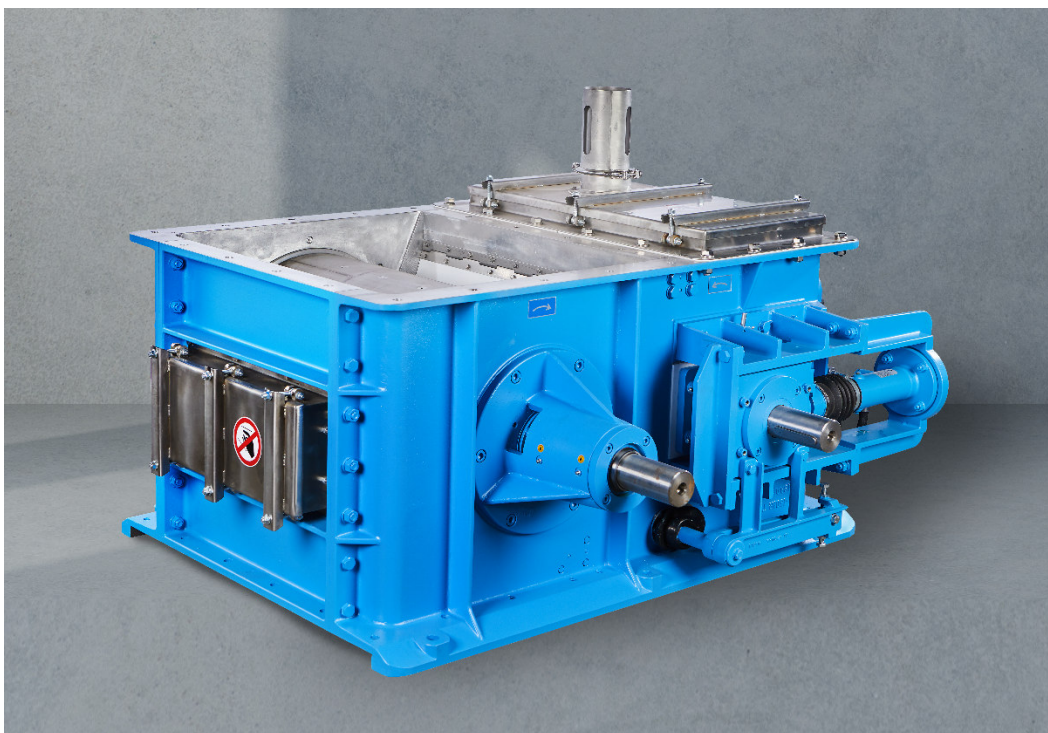
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### Cooperative partnership between Grenzebach and Matsubo

"The Vacupress helps to reduce shipping and packaging costs and improves product handling properties. From the outset we have placed great importance on a sturdy design and construction, allowing long service lives and minimising spare parts requirements," stresses Patrick Barthel from Grenzebach. In cooperation with Matsubo, work is already under way on further projects for the Asian market. In order to approach the target groups in the various industries together, Grenzebach participated at Matsubo's stand at the POWTEX trade fair in Osaka in late November 2019.



*Three identically constructed Vacupress systems will go into operation in Asia in Mid 2020. Used to compact and deaerate silicic acid, the Vacupress systems achieve clear economic advantages in terms of reducing storage and transport costs.*

Source: Grenzebach

Grenzebach is a leading automatization solution provider for the global glass, building material and intralogistics market. In addition, the company develops new application areas, such as Friction Stir Welding, the automatization of industrial additive manufacturing and digital networking. The digitization platform SERICY allows customers to develop their own future-proof digital know-how. Grenzebach ranks among the international technology leaders in its markets. The global manufacturing footprint with production sites in Germany, Romania, the US and China, as well as additional worldwide locations ensure customer support on-site. More than 3,000 systems installed in more than 55 countries stand for quality and reliability. Since the company opened its doors 60 years ago, it has been owned by the founding family. With an export ratio of more than 90 percent, Grenzebach is a global player.