

glass WORLDWIDE

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Exclusive interviews: AGC, Gerresheimer, Gulf Glass, SAGE, SGD, Siam Fibre Glass, Siam Glass, Steklarna Hrastnik & Vetropack



If you think
we're satisfied
with 90 years
of setting
standards –
you're wrong.

The **VIBROTUBE®** low-emission, low-wear charger is a perfect example.

The **VIBROTUBE®** batch charger is just one result of 90 years of engineering and, more importantly, of progressive thinking. As you would expect, it leads to reduced energy consumption, lower NO_x values and no dusting around the doghouse, but we wanted more. That is why – thanks to its vibratory tubes which show little to no abrasion – the **VIBROTUBE®** is probably the most advanced and efficient batch charger on the market. Setting standards in sustainability.

ZIPPE – GOOD TO KNOW.



Glass Model produces prototype hollow glass bottles and jars.

Prototyping glass bottles and jars

Based at Oytier Saint Oblas, France, the family-owned Glass Model business can produce prototype hollow glass bottles and jars within a week. Models created by the company are used by leading packaging and design experts worldwide and are employed for a variety of applications (consumer testing, point-of-sale advertising, the testing of production lines, packaging approvals etc) in such diverse sectors as the food industry, cosmetics, perfumery, advertising and design sectors.

This technical service permits the production of round bottles with different possibilities in terms of finish, engraving and colour. Prototypes obtained are completely functional, can be filled and are free from faults. A 3.3 borosilicate glass is used, the dimensional and weight accuracy being $\pm 0.3\text{mm}$ and $\pm 15\%$ respectively. Prototypes can be made to different weight specifications and for other shapes, plexiglass (hollow or full) and 3D printed models can be supplied.

It is possible to draw in 2D or 3D and to perform photorealistic rendering. ■



The Neftyanik Palace of Arts in Surgut.

Architectural innovation for Russian Palace of Arts

The 'Neftyanik' Palace of Arts, a cultural centre located in Surgut (the oil capital of Russia), opens its doors to the public this summer. With nothing else like it in the region, this multi-purpose venue has been designed to bring the arts to the people of Surgut and will house an exhibition and event space, opera and concert halls, a youth cultural centre, dance school and more.

Architecturally, the complex brings together state-of-the-art construction technologies and innovative materials, including AGC's Glasslled Motion, a product that was used specifically to implement the design concept. The product features embedded LEDs powered via a transparent conductive coating, combining the striking aesthetics of glass, where the core function is transparency, with distinctive lighting technologies. Glasslled Motion can change the appearance of the building, filling it with bright colours and showcasing its architecture in a different light. Animated facades will transform the cultural centre into a magnet for creative minds to use it as a canvas for displaying their original concepts. ■

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GLASS IS LIMITLESS

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