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**Press release**

* **BBG presents new mold carrier system for glass elements covering the entire roof**
* **BFT-P V8 22x14**: **Economical and ergonomic production of large components**

*Mindelheim/Germany, 6. June 2019.* At its Innovation Day in mid-May, system supplier BBG presented an innovative mold carrier system that has been specifically designed for the encapsulation of large glass panels, such as one-piece glass sunroofs for cars. The new BFT-P V8 is equipped with a mold mounting plate that is 2,200 mm in width and 1,400 mm in depth and has a closing force of 300 kN. It can be used to encapsulate large glass panels just as economically and ergonomically as small ones with the current systems. This is ensured by short cycle times and the low-maintenance, user-friendly design of the electric mold carrier system. Since it is supplied with an Industry 4.0 connection, customers can individually record process data and forward it for further evaluation.

With the BFT-P V8, BBG is expanding its portfolio of high-speed mold carrier systems to cover large dimensions. The version with toothed belt drive has been tested and optimized over more than one million working cycles.

**Low maintenance requirements, ease of operation**

It also requires very little maintenance: during the test, no service action was necessary for half a million cycles. Afterwards, only the linear guide slides had to be regreased and the toothed belt retightened. Cleaning is also easy, thanks to a lining with flat surfaces and embedded cables and media guides.

**Easy to operate: the new BBG user interface Easy Control 2.0**

The mold carrier system is equipped with the new BBG user interface Easy Control 2.0, which allows functions and workflows of machine and mold to be easily created and adapted.

**Easy handling of large workpieces**

A total of four models with plate dimensions of up to 2,200 mm x 1,400 mm are available in the new mold carrier series. The maximum capacity of the upper plate is 3,000 kg while the lower plate has a maximum capacity of 3,500 kg.

The two alternatively available variants with "swivel tower" and "shuttle" facilitate the handling of particularly large molds. In the tower version, which was demonstrated at the Innovation Day, the upper mounting plate opens and swivels outwards together with the lower plate.

Since the system offers free access from the front and rear, feed and discharge systems for components, inserts and molds can be quickly integrated if required. If necessary, the BFT-P V8 can also be used for fully automatic production, for example with the aid of a robot that inserts and removes workpieces.

**BBG is a specialist in the encapsulation of large glass panels**

The system supplier BBG has extensive experience in handling large components. In addition to customer-specific production solutions, the group has for many years offered mold carrier systems and end-to-end solutions for the encapsulation of large glass panels such as roof, front and rear windows and the encapsulation of photovoltaic modules with polyurethane.

**BBG’s customers are active the world over**

BBG GmbH & Co. KG, a manufacturer of molds, machinery and plants, is a renowned specialist for the plastics-processing industry. In addition to end-to-end production facilities, we design, develop and produce molds for the processing of polyurethane (PUR), PVC, TPE and other elastomers as well as a wide range of fiber-reinforced materials. This includes production processes such as PUR-CSM (PUR Composite Spray Molding), LFI (Long Fiber Injection), RTM (Resin Transfer Molding), SMC (Sheet Molding Compound) or GMT (Glass Mat reinforced Thermoplastics), which are selected depending on the desired qualities of the finished products. Further important areas include solutions for light-weight design, the processing of composites and the manufacturing of components made of fiber-reinforced plastics for a large number of industries.

BBG, the family-owned business, which is located in Mindelheim/Allgäu and is run by Hans Brandner, the managing partner, supply their products to their customers all over the world, with the Asian market playing an important role in addition to the markets in Europe and North America. With a headcount of around 170, BBG generated worldwide sales to the tune of 27 million Euros in 2018.

**Photos:**

Ein Bild, das drinnen, Boden, Wand enthält.

Automatisch generierte Beschreibung

Photo 1:

With the new BFT-P V8 electrical mold carrier system, large glass panels - such as one-piece glass sunroofs for passenger cars - can be produced both economically and ergonomically (Photo: BBG GmbH & Co. KG).



Photo 2:

The BFT-P V8 is completely maintenance-free for half a million cycles. Afterwards, only the linear guide slides need to be re-greased and the toothed belt tensioned. (Photo: BBG GmbH & Co. KG).

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**Contact:**

BBG GmbH & Co. KG,

Heimenegger Weg 12, D-87719 Mindelheim

Martina Barton, phone +49.(0)8261 7633-23, e-mail: [martina.barton@bbg-mbh.com](mailto:martina.barton@bbg-mbh.com).

Please visit [www.bbg-mbh.com](http://www.bbg-mbh.com) for further **information.**

**Please send a specimen copy to:**

auchkomm Unternehmenskommunikation, F. Stephan Auch, Gleißbühlstr. 16, D-90402 Nuremberg, [fsa@auchkomm.de](mailto:fsa@auchkomm.de), [www.auchkomm.de](http://www.auchkomm.de).