**Ein Bild, das Zeichnung enthält.

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**Press release**

* **Customized BBG production systems for polyurethane and ceramics: end-to-end solutions and special machinery**
* **Deliveries to US American and European customers**

*Mindelheim/Germany, 25th August 2020.* BBG, the manufacturer of molds, machinery and plants, who is based in Mindelheim/Allgäu, Germany, is pleased to report the successful completion of two international projects for polyurethane and ceramics production systems.

As the general contractor, BBG recently delivered a comprehensive end-to-end solution for the production of PUR moldings on the basis of the RIM process Romeo RIM Inc., one of the innovative leaders for RIM development and production, close to Detroit in the USA. Earlier on, BBG already designed and manufactured a customized mold carrier system that allows molds to be inserted at ground level for a European manufacturer of high-quality bathroom ceramics.

According to BBG, both projects reflect the increasing interest worldwide in customized production systems for the manufacturing of moldings.

**End-to-end production system for moldings manufactured on the basis of RIM process**

The end-to-end PUR production system for the North American customer is designed for large-format moldings that are produced on the basis of the reaction injection molding (RIM) process. The company Romeo RIM develops and manufactures lightweight RIM components for agricultural machinery, commercial vehicles and recreational industries.

As the general contractor, BBG designed the production plant together with the customer tailored to their specific requirements and supplied not only two of BBG's BFT-J mold carrier systems but also a "Topline" PUR machine with two metering points made by their partner Hennecke. Since the customer uses potentially explosive materials during production, the mold carriers have been designed to meet the requirements laid down in the NEC guidelines applicable in the USA. The production plant is also equipped with high-performance extraction booths.

**Machine frame can be tilted by 45°**

The machine frame of the BFT-J can be tilted backwards continuously by up to 45° so that the mold can be moved to an optimum position for the feeding of material. In-Mold Coating is applied by a fully automated robot spray system that BBG also interfaced into the mold carrier control system.

The BFT-J mold mounting plates have a width of 2,540 mm and a depth of 1,219 mm to allow for the production of the customer’s large components. The upper mold mounting plate is permitted for use for a capacity of max. 6,800 kg while the lower one has been designed for a capacity of 4,700 kg. Power-saving hydraulic drives with a high level of efficiency contribute to the economic operation of the system.

The entire plant is operated by Allen-Bradley control systems. Upon customer request, other control systems, such as Beckhoff or Siemens, are also available. The latter can be delivered with the Easy Control 2.0 programming and operating interface developed by BBG.

**The special BFT-B mold carrier model can be operated at ground level**

The second project that has been completed is the special mold carrier model BFT-B, which was developed for a European manufacturer of high-quality bathroom ceramics. This model has been designed so that the lower mold mounting plate is at the same level as the ground floor of the production hall. To this end, the system was placed in a pit. When open, the lower mold mounting plate allows free access from the front and from the sides and can be operated. Molds can thus be inserted in the mold carrier at ground level

The customer uses the BFT-B with mounting plates sized 3,000 x 1,400 mm and a capacity of up to 10,000 kg in order to manufacture bathroom ceramics components on the basis of a proprietary formulation.

**More than 500 systems in operation all over the world**

For Richard Ortloff, the head of the machine construction division at BBG, both projects are proof of the comprehensive skills and experience offered by the company headquartered in the Allgäu region. "As a manufacturer of special machinery and end-to-end installations, we are specialized in developing solutions precisely tailored to meet the specific requirements of our customers. Our global machine base of more than 500 mold carrier and press systems is proof of the fact that customers appreciate our machines and installations."

**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 25.4 million Euros in 2019.

**Photos:**

Ein Bild, das Mann, Tisch, stehend, blau enthält.

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Photo 1:

The end-to-end PUR production system for a customer close to Detroit/USA manufactures large-format moldings on the basis of the reaction injection molding (RIM) process. The core of the system are two mold carrier systems of the BFT-J model shown here (photo: BBG)

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Photo 2:

The machine frame of the BFT-J can be tilted backwards continuously by up to 45° so that the mold can be moved to an optimum position for the feeding of material (photo: BBG).

**Ein Bild, das Haushaltsgerät, drinnen, Tisch, sitzend enthält.

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Photo 3:

The special mold carrier model BFT-B is designed so that the lower mold mounting plate is located at the same level as the hall floor (photo: BBG).

**Please visit for a download of the press release (Word documents) and print-quality photos:** [**https://www.auchkomm.com/aktuellepressetexte#PI\_370**](https://www.auchkomm.com/aktuellepressetexte#PI_370)

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