Ein Bild, das Zeichnung enthält.

Automatisch generierte Beschreibung

**Press RELEASE**

* **BBG becomes international system partner** **for polyurethane processing and the production of molded composite components**
* **New automation modules: primer cell and unmanned release agent application**

*Mindelheim/Germany, 28 October 2021.* BBG is transforming itself from a mold, machinery and plant manufacturer to an international system partner for polyurethane processing, including glass encapsulation, and the production of molded composite components. As a full-range supplier, the Mindelheim-based manufacturer supplies all components for fully automated, continuously documented production that can be tracked over the entire lifetime of the components. As a general contractor, BBG offers their components for retrofitting or integrating existing equipment into end-to-end production lines. BBG is represented by their own subsidiaries in the target markets of Europe, the NAFTA countries and Asia, in particular China.

**Comprehensive service from a single point of contact**

As a system partner, the family-owned company offers to perform all the working steps required from a single source. In addition to project planning and plant design, this covers the selection of coordinated modules including interface coordination and their integration into a central control system. The installation of all components, their commissioning, and operator training are also part of the service.

The degree of automation of a production process can be freely determined, as can the scope of the documentation of material and process data. These are stored centrally and can be retrieved at any time.

**Modules for all production steps**

The modules used cover the work steps for fully automated production lines. They start at the provisioning of materials and the loading of the system, and include the actual manufacturing process and the removal of the produced components right through to visual inspection, post-processing and packaging.

In addition to various individual components, in particular the molds, the mold carrier and press systems are designed and manufactured in our own production facilities. BBG sources other modules from long-standing partners, adapts them to customers’ requirements and integrates them into the production lines.

**New automation cells for priming and release agent application**

The novelty of our solution consists in two robot-equipped automation cells, which apply primer or paint to components and release agent to mold surfaces in an unmanned process. BBG presented the concept for automatic release agent application using a prototype at its Innovation Day in 2019.

The automation cells reliably improve the quality and process safety of the operations. They also relieve employees of work that is physically demanding and sometimes hazardous to their health. The two modules were used for the first time by a North American supplier of passenger car and commercial vehicle parts.

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

BBG GmbH & Co. KG is an international system partner for the plastics processing industry thanks to their own mold, machinery and plant construction. In addition to end-to-end production lines, BBG designs, develops and manufactures molds for processing polyurethane (PUR), PVC, TPE and other elastomers, as well as a wide range of composite 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. The company also focuses on solutions for lightweight construction, the processing of composites and the production of fiber composite components in a large number of industries. Since 2020, the company has also been developing and manufacturing packaging machines for pharmaceutical products and food supplements.

BBG, the family-owned business, which is run by Hans Brandner and is located in Mindelheim/Allgäu, 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 17 million Euros in 2020.

**Photos:**



Photo 1:

BBG Group is transforming itself from a mold, machinery and plant manufacturer to an international system partner (photo by BBG).

Ein Bild, das LEGO, Spielzeug enthält.

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Photo 2:

Two robot-equipped automation cells are new, which apply release agents to mold surfaces (pictured) and primer or paint to components in an unmanned process (photo by BBG).

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