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**Press release**

* **BBG: New Easy Control 2.0 user interface simplifies operation of mold carrier systems, increases productivity and improves process reliability**
* **Presentation at the 4th Innovation Day on 17 May in Mindelheim**

*Mindelheim/Germany, 4. June 2019.* Easy Control 2.0, BBG's new user interface, simplifies the operation of mold carrier systems. At the same time, it increases productivity and improves process reliability when processing polyurethane (PUR). The tool, machine and plant manufacturer has substantially increased the scope of services and a large number of functions in comparison to the previous version. This noticeably simplifies work while also making it easier, safer and faster for operators to integrate new molds into the mold carrier.

In addition, functions and workflows have become more dynamic so as to reduce cycle times and increase machine productivity. Program exchange and international comprehensibility have also been improved for the benefit of companies that run production sites in various countries that speak different languages.

The new Easy Control 2.0 is based on a SIMATIC Standard CPU1515-2PN with TP700 Comfort touch panel. BBG has developed it over the last two years in close cooperation with Siemens so that the interface is ready for series production. It was presented for the first time on a BFT-P V8 mold carrier system at the company's 4th Innovation Day on 17 May in Mindelheim.

**Programming without programming knowledge - you can do it**

The newly designed user interface allows functions and workflows of the machine and tool to be effortlessly re-created and adapted to the requirements at hand. Step chains and conditions are used to create and change functions and workflows quickly and reliably in a well-structured and guided manner, without requiring any PLC expertise. Compared to the first software generation, operation and input have been greatly simplified.

Operators can also enter texts, designations and parameter settings in up to four freely selectable languages. This makes it possible to switch between different languages at the touch panel at any time. Set-up is now clearer and quicker as only the required functions are queried. Programs created once can now be more easily adapted to changed requirements, exported and used on other mold carrier types. "Thanks to the new Easy Control 2.0, the average effort for creating a function sequence can be reduced to around two hours," says BBG project manager Stefan Gutleber.

**More and improved functions, higher level of productivity**

While only six functions could run simultaneously in automated program steps with the original software version, their number is unlimited in the current software version. This allows the cycle times of mold carrier systems to be reduced noticeably. The newly created option of being able to determine up to four intermediate positions and releases for various motion parameters offers more design leeway within individual processes. This function is available, for example, for swiveling the mold mounting plates, the parallel stroke and the closing forces.

To allow for comprehensive programming, BBG increased memory capacity and the number of possible automatic sequences significantly from 31 to 300.

**High level of process reliability, simple remote maintenance**

A higher level of process reliability allows the function to define how to enable the next step and the associated movement itself, thereby avoiding mechanical crashes and damage to the mold and the mold carrier system.

Thanks to large-scale data acquisition and the Industry 4.0 connection, comprehensive remote maintenance with direct access to all information can be implemented upon request.

The Easy Control 2.0 user interface can be used on all BBG mold carrier systems. On older models, the current PLC control system and the appropriate operating panel may have to be retrofitted.

**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 Person, drinnen, Mann enthält.

Automatisch generierte Beschreibung**

Photo 1:

"Thanks to the new Easy Control 2.0, the average effort for creating a function sequence can be reduced to around two hours," estimates BBG project manager Stefan Gutleber (Photo: BBG GmbH & Co. KG).



Photo 2:

Parameterization of the parallel stroke of a mold carrier system (Photo: BBG GmbH & Co. KG).



Photo 3:

"Parallel stroke not enabled" status for activating the next step (Photo: BBG GmbH & Co. KG).



Photo 4:

Parameterization of the venting slider of a mold (Photo: BBG GmbH & Co. KG).

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