

Date: >September 2019

Title: **Synventive exhibits at K 2019, Halle 1, Stand C50**

Synventive, a business within Barnes Molding Solutions strategic business unit, is pleased to announce that the latest evolution of eGate[®] technology will be demonstrated for the first time at K 2019.

The next generation eGate gives precision molders far better options and delivers clean, quiet, and energy-efficient operation that is responsive, precise, and repeatable. The electrically actuated valve gate system is now available for large parts with high shot weights. eGate delivers complete pin movement control at each individual nozzle and offers outstanding performance, especially for sequential valve gated and family molding applications.

The precise all-electric control of each valve pin's position, speed, velocity, and stroke delivers greater application flexibility, balance, and pack control, in addition to warpage, part weight, and clamp force reduction. This control results in parts with superior appearances and better dimensional stability.

For an easy installation, the maintenance-free eGate electric actuator bolts directly onto the manifold, offering both a compact footprint and small stack height. The new intuitive user interface includes a simple drag and drop editor for easy setup, recipe storage, and mold overview with varying levels of user control. Synventive will offer live demonstrations of eGate's functionalities at K 2019.

Synventive will also present a range of melt flow control technologies within its activeGate[®] family of products at K 2019. activeGate technologies enable individual control of the melt flow out of each nozzle and the ability to achieve perfect parts.

synflow[®], the proven 2-speed pin opening control for eliminating cosmetic defects in hydraulically-operated cascade injection molding, is included in the activeGate family. In addition to controlling the initial opening speed of the pin, synflow now offers the ability to stop the valve pin at any position of the stroke. This process allows for individual flow rate control out of each nozzle to balance family molds or fill complex multi-gated geometries. synflow's newly upgraded touch-screen user interface will be demonstrated at K 2019.

The complete Barnes Molding Solutions strategic business unit, including FOBOHA, Gammaflux, männer, Priamus, Synventive, and Thermoplay, will present a comprehensive portfolio of mold-based solutions in Hall 1, Booth C50.

About Barnes Molding Solutions

Barnes Molding Solutions is a strategic business unit within Barnes Group, which includes highly respected brands in plastic injection molding tooling, hot runners and controls, Synventive, männer, Thermoplay, Priamus, Gammaflux, and FOBOHA. Barnes Molding Solutions' comprehensive portfolio of advanced technologies and value-added services delivers premium tool-based solutions where demanding specifications are required by global customers in the plastic injection molding industry across a broad spectrum of applications. For more information, visit www.BGInc.com.

About Barnes Group Inc.

Barnes Group Inc. (NYSE: B) is a global provider of highly engineered products, differentiated industrial technologies, and innovative solutions, serving a wide range of end markets and customers. Its

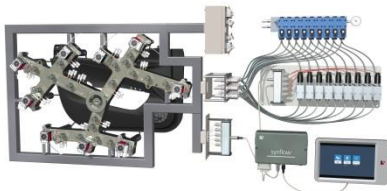
specialized products and services are used in far-reaching applications including aerospace, transportation, manufacturing, automation, healthcare, and packaging. Barnes Group's skilled and dedicated employees around the globe are committed to the highest performance standards and achieving consistent, sustainable profitable growth. For more information, visit www.BGInc.com.



eGate Controller and Touch Screen Monitor



eGate actuators with compact footprint



synflow hot runner system

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