

Press Release

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QFlow™ Systems for the networked production

As the plastic processing world continues to evolve, the time has come to rethink the collection and use of information for injection molding applications. Digitalization has long loomed on the horizon and now has become an indispensable tool in this field. The recent focus has been on communicating process information via a network as simply and effectively as possible. In the injection molding process this information is critical for successful process monitoring and control.

PRIAMUS has recently developed a new series of systems, ideally tailored to the networked world. The QFlow™ Systems provide essential functionality and are fully designed for production. The system offers an easy to use and an intuitive user interface. Each QFlow™ system provides one pressure and one temperature channel - which are used to monitor and control the melt viscosity during production. Based on the PRIAMUS BlueLine amplifier systems additional pressure, temperature and voltage signal can be added simply.

The QFlow™ systems operate independent from a PC so that every browser based device can be used as a display. The simplest solution is to use the newly-developed QScreen™ display which can be magnetically mounted on the machine. Each QFlow™ system provides an integrated IoT interface, which allows an easy connection via OPC-UA standard to a local server, a cloud or an external MES system.

The first QFlow™ Systems that will be introduced at Fakuma are the Quality Monitor™ for process monitoring and the Quality Balancer™ for the automatic hot runner balancing of multi cavity molds. The Quality Balancer is set for commercial release mid-2019.

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. 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, 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.

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