



## PRESS RELEASE

### ABEC Introduces the Industry's Largest Disposable Mixing Systems

**Bethlehem, PA USA – April 22, 2016** ABEC today announced the extension of its Custom Single Run™ (CSR™) product line for scalable single use manufacturing of biopharmaceuticals. ABEC's CSR-General Mixing products offer custom fluid preparation and hold capabilities up to 5,000 liters – approximately doubling the capacities currently available in the industry. ABEC has previously introduced the largest single use cell culture bioreactors in the industry (3,500 liters). ABEC will be showcasing this technology at the annual Interpex show (booth #3759) in New York April 26-28.

The CSR-General Mixing products extend ABEC's single use capabilities across the entire bioprocess – applications include Cell Culture Harvest, Purification Pooling, and Viral Inactivation. Consistent with the overall CSR product strategy, the CSR-General Mixing systems deliver process performance comparable to stainless steel systems. ABEC has developed a unique mechanically-driven mixer that achieves the shortest fluid blending times of any disposable mixing system on the market.

ABEC CEO Scott Pickering said: "With the addition of the CSR-General Mixing systems, ABEC is enabling complete upstream and downstream large scale processing, thereby setting a new benchmark in single use facility productivity. With scalable performance and larger batch capability, biopharmaceutical manufacturers can realize lower cost of goods and true multi-product flexibility in these facilities."

#### About Custom Single Run™ (CSR™)

CSR is a new paradigm in single use processing that addresses the unmet needs in commercial biopharmaceutical manufacturing. In contrast to the standard "off-the-shelf" systems currently on the market, the CSR products are fully customizable, deliver performance comparable to stainless steel systems, provide the largest batch sizes, are designed for manufacturing productivity, offer unprecedented supply chain transparency, and utilize only commercially available, non-proprietary materials, components, and control systems. CSR fulfils the promise of single use manufacturing with true multi-product flexibility, lower cost of goods, reduced supply chain risk, and higher equipment productivity.

#### For more information contact:

Kevin Caffrey, Strategic Business Development Manager, ABEC, [kcaffrey@abec.com](mailto:kcaffrey@abec.com)  
Emily Smith, Marketing Coordinator, ABEC, [esmith@abec.com](mailto:esmith@abec.com), +1 610 861-4666

#### About ABEC Inc.

Since 1974, ABEC has been a leader in delivering integrated process solutions for manufacturing in the biopharmaceutical industry. Many of today's leading antibody, vaccine, and recombinant protein therapies are manufactured by processes and equipment engineered, manufactured, installed and serviced by ABEC, and a majority of the world's pharmaceutical and biotech companies are ABEC customers. ABEC's unique value is based on long experience, complete in-house capabilities, a custom, flexible approach, and long-term credibility. Whether building new capacity or improving existing facilities, ABEC's turn-key solutions reduce overall cost and time to market while delivering maximum productivity. For more information, please visit [www.abec.com](http://www.abec.com)