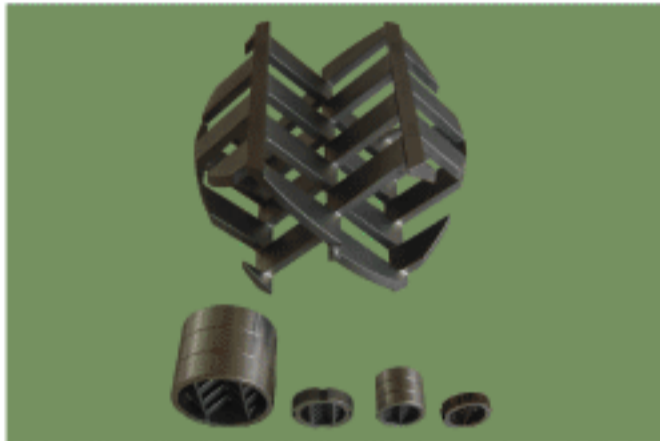


NPE BOOTH # 4697 NPE Show Contact: Michael Mutsakis, Cell: (917) 658-6777

Novel Disk Static Mixer for Polymer Mixing Applications

StaMixCo Becomes Exclusive Licensee of BAYER AG for the Novel Disk Static Mixer



StaMixCo was founded in 2003 with offices in Switzerland and the U.S.A. by professionals with over 50 years of combined experience in the research, design, start-up, troubleshooting and sale of static mixing and reaction technology equipment and systems. The foundation of the company is the recently acquired worldwide exclusive license of the Disk Static Mixer LMX/LMXR from BAYER AG, Leverkusen, Germany. The mixer was invented in BAYER's High Viscosity Technology Group which has applied the technology throughout Bayer polymer manufacturing operations. Application is ideally suited to polymer processing.

The novel Disk Static Mixer concept is based on the BKM mixer (marketed as the SMX mixer), which was also developed by Bayer and licensed to the leading static mixer company in the mid 70's. The novel Disk Static Mixer has the same structure as the famous SMX mixer, but its ingenious disk fabrication technique allows for lower manufacturing costs; higher strength; the ability to easily vary the number of cross-bars which greatly enhances scale-up by keeping the fundamental geometric structure identical and minimizing the length-to-diameter ratio in high-low viscosity mixing applications.

Applications include Injection Molding Mixing Nozzles, Extrusion Melt Blenders, and hundreds of other applications in the viscous processing of fibers, polymers, reactive resin/hardener systems, etc.

Photograph:

The novel Disk Static Mixer, a development of the High Viscosity Technology Branch of BAYER AG, Germany, is mainly used for laminar flow mixing, high-low viscosity mixing and dispersion applications. The Disk Static Mixer is compact, has no moving parts and thus requires no maintenance.