



MGS DEMONSTRATES ADVANCED TECHNOLOGIES AT NPE2015

April 2015

During March 23-27, MGS participated in the largest plastics industry trade show in North America – NPE (National Plastics Exposition). We have been a regular participant at the event since 2000.

The anchor of our booth display was our multishot manufacturing cell demonstrating an in-mold assembly technique on a threaded closure with a molded-in gasket and penetrable septum/stopper (shown below). The part was specifically designed to demonstrate the MGS integrated approach and expertise in multiple component molding, tooling and equipment solutions.

Using a Krauss Maffei 160 CX High Performance hybrid injection molding machine as the base machine, the press was modified with a Universal Multishot Systems™ 750mm Servo Rotary Platen, a vertically positioned / mold mounted UMS™ E-Micro Portable Injection Unit and a horizontally positioned (non-operator side) UMS™ Mini Hydraulic Injection Unit.

Other MGS equipment technologies featured included:

An **MGS Automation High Speed Continuous Motion Assembly System**, featuring full medical grade construction compliance, electronic servo camming with 17 axis of servo motion, vision inspection using eight cameras and product assembling capabilities at rates up to 400 parts per minute.

UMS™ Model E-LSR-V Vertical Platen Mount Portable Injection Unit, featuring servo-driven movements for injection, recharge and carriage.

MGS Multishot Rotary Stack 2-Shot Cap System – Originally built for NPE 2003, the 16 cavity two-sided injection mold was modified with a modern servo horizontal rotary system and programmed to index in all combinations of rotations to demonstrate flexibility of application.

The next NPE event will again be held in Orlando in 2018, May 7-11.