



## **PRESS RELEASE**

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### **Helix Medical Announces Scientific Injection Molding for Silicone**

**Gloucester, MA – June 16, 2009** – Helix Medical, LLC, a global manufacturer for the medical device, health care, pharmaceutical, biotech, and IVD industries, offers scientific injection molding (SIM) methodology for Liquid Silicone Rubber (LSR) molding at its medical device manufacturing facilities in Massachusetts and California. Scientific injection molding combines product design, tool design, material selection, and process development from the polymer point of view which allows control of the critical process parameters to ensure that parts are optimally produced with zero defects. This methodology has been employed for some time in thermoplastic injection molding but is relatively new to LSR molding. By applying the SIM process to LSR products Helix is able to develop processes where potential defects are identified upfront, before the validation stage, therefore saving clients time and money.

The benefits of SIM include higher yields, lower material consumption, and increased process robustness driven by reliable documentation and data collection. The application of these principles delivers better flow control, fewer visual defects, and increases the part integrity thus delivering a lower cost which is passed on to Helix customers.

“Scientific injection molding allows us to produce consistent product quality through process repeatability from machine to machine, part to part, and set-up to set-up,” said Edward Callahan, Vice President/General Manager, Helix Medical – Gloucester Operations. “This methodology has allowed us to provide the documented standardized processes and the quality assurance required to support our customers’ regulatory requirements. We deliver superior value for our customers and partners by investing the time upfront during the development stage.”

For more information on Helix Medical – Gloucester Operations and scientific injection molding please contact Edward Callahan, Vice President/General Manager at (978) 281-2023.

#### **About Helix Medical, LLC**

Helix Medical is a subsidiary of Freudenberg-NOK General Partnership and its operations comprise the Health Care Products division of Freudenberg-NOK. Helix Medical, which was acquired by Freudenberg-NOK in 2006, has been a leading global manufacturer for the medical

device, health care, pharmaceutical and biotech industries since 1984. Headquartered in Carpinteria, CA, Helix Medical operates an FDA-registered medical device facility, certified to ISO 13485 and ISO Class 7 & 8 cleanrooms, has operations located in North America and Asia, and distributes product globally.

Medical manufacturing capabilities include LIM, compression/transfer molding, insert and two-shot molding, as well as extrusion, assembly, packaging and sterilization. In addition to its custom manufacturing operations, Helix Medical also manufactures the proprietary HelixMark® brand of platinum-cured silicone tubing and fluid handling components for the pharmaceutical, biotech and IVD industries.

[www.helixmedical.com](http://www.helixmedical.com)

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