

## LIMS™ PROCESS TRAINING ON POINT:

SHIN-ETSU SILICONES HOSTS HANDS-ON LSR PROCESSING TRAINING COURSE FEATURING KEY INDUSTRY LEADERS.

### Akron, OH—February 2025

In an effort to provide advanced education on the processing and property advantages of liquid silicone rubber (LSR), Shin-Etsu Silicones of America (SESA: A U.S. subsidiary of Shin-Etsu Chemical Co. Ltd., Japan) recently conducted its largest ever LIMS™ (Liquid Injection Molding System) Processing Training Course at their 7,000 ft<sup>2</sup> state-of-the-art LIMS Technical Center (LTC) in Akron, Ohio. The hands-on training event took place over three days and was attended by over 30 industry customers and 15 supplier partners.



The comprehensive course was taught by industry experts from leading suppliers with decades of experience. There were classroom presentations on the following topics:

Fundamentals of Silicone / Dosing Systems / Injection Molding Machines / LIMS Tooling / Processing

However, two full days were dedicated to hands-on learning in the LTC with attendees rotating through three complete injection molding cells featuring:



**Cell A:** Press-Arburg / Pump-Elmet / Mold-Roembke  
Robot-Yushin / Application: 1-cavity eyeglass lanyard tool

**Cell B:** Press-Engel / Pump-Nexus / Mold-PRC (Japan)  
Robot-Engel / Application: 4-cavity baby nipple tool

**Cell C:** Press-Sumitomo / Pump-Kracht / Mold-Kipe / MR Mold  
Robot-Yushin / Application: 2-cavity adhesion-overmold tool

## KEY LTC PARTNERS:

### Injection Molding Machines:

ENGEL new, all-electric e-mac 110 Injection Press.

Sumitomo all-electric DEMAG SE130EV-S 130 ton injection press.

ARBURG all-electric 110 ton liquid injection molding press.



### Dosing Systems:

Elmet Top 700: The smallest 20-liter system on the market combines compactness, process stability, and cost-effectiveness.

Nexus ServoMix X200: Drum exchange from 90° angle on both sides within 5 minutes.

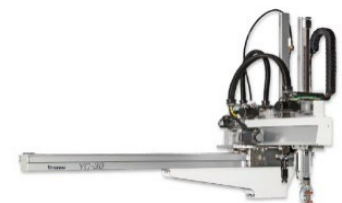
Kracht E-Flow Server Mix: Their newest on the market.

### Automation/Robot:

ENGEL VIPER 12 4-Axis Robot: Fully integrated with the press.

YUSHIN Robot YCII-250: Used with the Sumitomo press

**Tooling:** Roembke single-cavity lanyard mold.



## LIMS PRODUCTS:

All manufactured in SESA's new 35,000 ft<sup>2</sup> plant in Akron, OH, the following LIMS products were used during the LTC training course:

**KEG-2001-60:** Fast Cure, 60 Shore A Hardness, High Tear Strength. Beyond the complex lanyard configuration at the course demo, the USP class VI certified "workhorse" product is ideal for typical applications including: O-rings, diaphragms, gaskets, medical devices, baby care components, and consumer products.

**KEG-2003H-50:** The low volatile LIMS product has less than 0.5% low molecular weight siloxane content without post-cure and is well-suited for baby care applications.

**AKR-2090-40:** Akron-made offset to SESA's KE-2090-40 Select-Hesive LIMS product. The silicone bonds aggressively to thermoplastic substrates, such as PC, PBT, and PPO without primer or pretreatment and is compliant with USP Class VI biocompatibility standard.

## SESA / LTC COURSE CONCLUSION:

The focus of SESA's LIMS Processing Training Course was to provide hands-on LSR processing training from industry-leading experts using their state-of-the-art equipment to mold products with the latest LIMS products, locally manufactured in SESA's brand new Akron, Ohio plant.

According to North America Marketing Manager, Eric Bishop, "Shin-Etsu was able to leverage our LTC's expanded equipment capabilities with select supplier partners and our world class materials, to provide a real-world experience for our customer attendees. Overall, it was a tremendous success with lots of positive feedback, and we and our partners look forward to hosting an even better course in 2025."



For more detailed information, visit the Shin-Etsu Silicones web site at: [www.shinetsusilicones.com](http://www.shinetsusilicones.com)



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