



# Endisys Success Story

## DL Platform Upgrade

May 9, 2018

EnDiSys has taken Graco's DL-3 urethane elastomer and foam dispensing machines to a new level. The metering platform originally developed by Decker Industries has been around for over 20 years. Decker, purchased by Liquid Controls who was in turn purchased by Graco developed the robust platform offering continuous flow, variable rate, plural component dispensing of optically clear urethane, laminating adhesives, and solvent coatings.

The traditional machines still offered by EnDiSys have flow rates from 2 cc/second to 100 cc/second depending on pump selection. Variable ratios on the standard machines range from 1:1 to 30:1 which allow you to handle more materials. An optional ratio monitoring system provides independent ratio accuracy.

In exciting recent developments, EnDiSys has successfully adapted the existing DL platform to control different pump types. In addition to the traditional gear pump design, combinations of progressive cavity and peristaltic pumps have been incorporated to accurately ratio higher viscosity and filled materials.



In one application, a material supplier needed a high flow, wide ratio machine to inject an atmospheric activating curing agent into silicone during the manufacturing process. EnDiSys designed a 30 GPM 160:1 ratio machine and a special static mix assembly to meet the customer's needs.

In another application, a progressive cavity pump and mag drive gear pump were utilized to mix a 1:1 fiberglass resin prior to filling a nip during the manufacturing process. The pc pump was used on the A side because fillers were present in the resin.

Finally, three peristaltic pumps were installed on a system to premix a 1:1 caulk sealant for packaging into tubes. The third pump was utilized as a colorant injection pump. The user could adjust the color component from 0-3% of the total mix.

EnDiSys has demonstrated a capability to enhance existing technologies to meet the needs of tomorrow's applications. Contact us at [info@endisys.com](mailto:info@endisys.com) if you would like more information on the DL dispensing equipment.



### Home Office

14329 Northdale Blvd, Rogers MN 55374  
Phone: 763.428.5075 Fax: 763.428.5078

### Illinois Office

120 Industrial Drive, Gilberts, IL 60136  
Phone: 847.844.1854 Fax: 847.844.1857

### Ohio Office

2962 Township Road 97, McComb, OH 45858  
Phone: 763.286.4821 Fax: 763.428.5078

