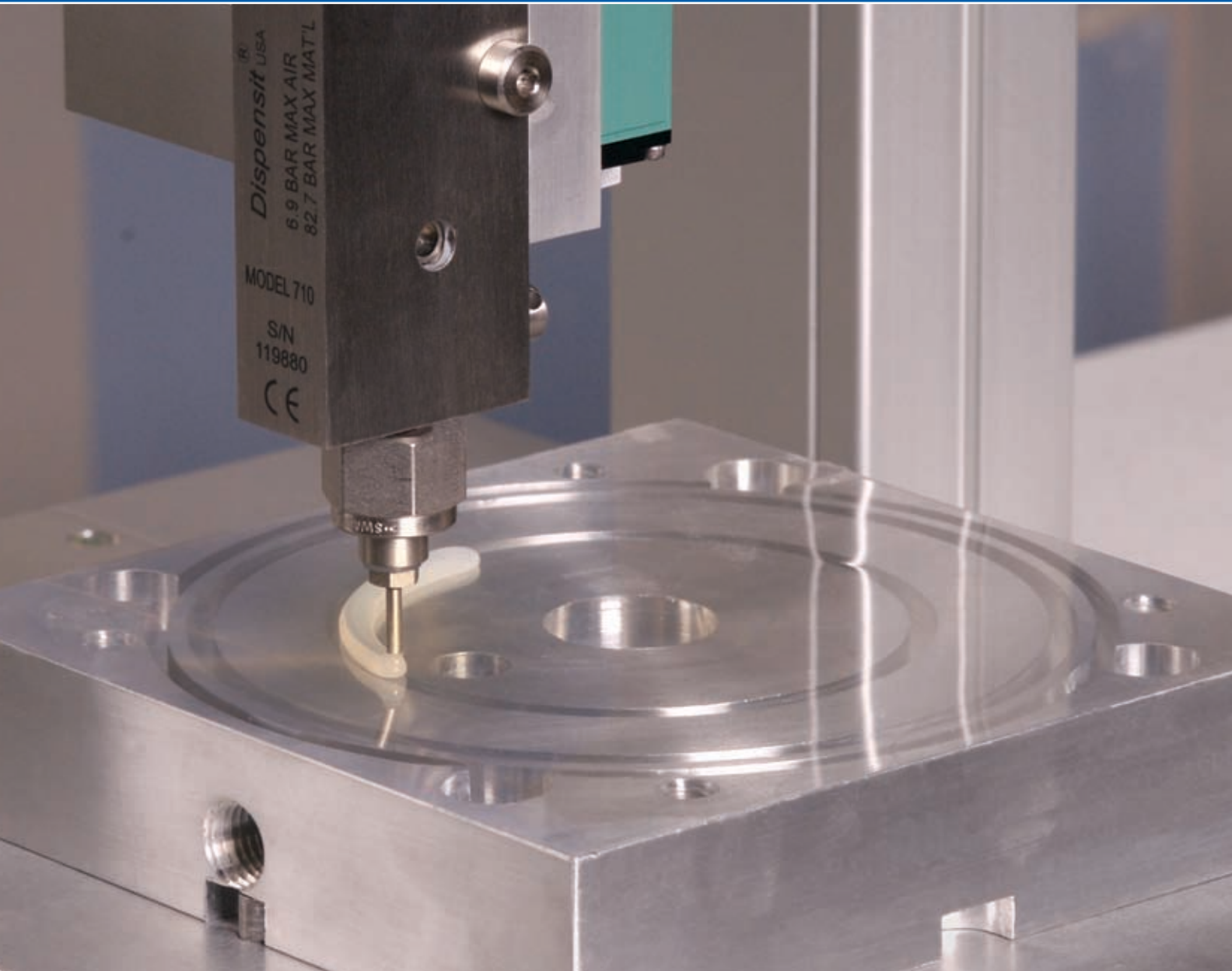


Liquid Control

Turnkey and Engineered Solutions for Dispensing Applications



Liquid Control

Your automation partner for custom engineering solutions

Count on Liquid Control for automation solutions



Whether your manufacturing process is transitioning to a semi- or fully-automated dispensing platform, Liquid Control supports your growth – with everything from simple equipment modifications to complete custom turnkey automation solutions.

Liquid Control provides engineered solutions for automated and customized sealant and adhesive applications, including single- and plural-component resin-dispensing equipment for your specific materials and unique applications.

Custom dispensing solutions – backed by the engineering expertise of Graco

The Liquid Control solution comes from a combination of Graco engineering expertise and application knowledge – plus the experience, know-how and capabilities of a major manufacturer of sealant and adhesive equipment. In a nutshell, you're assured of a high-quality solution for your dispensing challenge.

Let Liquid Control help you design and build a solution that meets your unique situation from start to finish.

Liquid Control has a proven track record

Many industries including automotive, telecommunications, marine, medical, military, aerospace, appliances and electronics rely on Liquid Control for custom-engineered automation solutions.



Key applications:

- Flexible packaging and coating
- Gasketing
- Bonding
- Molding and encapsulation
- Sealing
- Potting

Key materials:

- Epoxies
- Urethanes
- Silicones
- Heat sink materials
- Hot melts

Why automate?

Automation offers many benefits over a manual process:

- Increased volume and faster throughput
- Reduced material waste from better, more consistent dispensing
- Reduced labor cost
- Less product fallout from scrap and waste





The process

As your automation partner, Liquid Control works closely with you to analyze your operation, materials and unique challenges. Here is our process for engineering your custom solution.



1. Discovery

Working together, we gather general information such as number of components, type of material, material specs, type of application, shot size, shot frequency, flow rate, ratio, dispense valve requirements, mixer requirements, and so on. We also discuss your plant space requirements and long-term operational goals. In addition, we can also run a demonstration with your product and material to confirm our confidence in the recommended solution.



2. Design and engineer

Next, our engineers will incorporate your current plant layout and equipment list into a plan for a possible automation system. Or it may be as simple as a modification to an existing piece of Graco equipment, if that's all that is required. At this time, you will receive a cost estimate to proceed, and you will be informed of progress each step of the way.



3. Develop a prototype

For more complex systems, Liquid Control may develop a prototype. This allows you to validate the specifics of your application and ensures that the final solution meets your specifications and design requirements.



4. Produce the solution

Next, we manufacture your complete solution. By leveraging Graco's extensive product line, we are able to quickly assemble your product to minimize lead times and have your system up and running sooner.



5. Test the solution

Your Liquid Control solution will go through a rigorous testing period to ensure the equipment operates as planned. We run these tests at your request with your material to simulate your production environment. This testing period can last from a few days to a week or more.



6. Delivery and installation

We recommend a new system installation to ensure a seamless integration of the Liquid Control solution into your process. We will contact you before the system is shipped to coordinate details.

For a complete list of equipment, visit www.liquidcontrol.com



ABOUT GRACO

PROVEN QUALITY. LEADING TECHNOLOGY.

Founded in 1926, Graco is a world leader in fluid handling systems and components. Graco products move, measure, control, dispense and apply a wide range of fluids and viscous materials used in vehicle lubrication, commercial and industrial settings.

The company's success is based on its unwavering commitment to technical excellence, world-class manufacturing and unparalleled customer service. Working closely with qualified distributors, Graco offers systems, products and technology that set the quality standard in a wide range of fluid handling solutions. Graco provides equipment for spray finishing, protective coating, paint circulation, lubrication, and dispensing sealants and adhesives, along with power application equipment for the contractor industry. Graco's ongoing investment in fluid management and control will continue to provide innovative solutions to a diverse global market.

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