

# Automotive Manufacturer finds superior and more economical dispensing solution

## Background:

In the rapidly evolving landscape of e-mobility, a leading automotive manufacturer encountered a bottleneck: they required a dispensing system as dynamic as their production demands. The search for a solution led them to Graco.

## The Challenge:

The need was clear—develop a dispensing system that was not just efficient but also versatile, flexible enough to navigate through multiple dispensing tasks without sacrificing performance. Mobility within the plant was crucial, and so was the precision in dispensing dual-component sealants and adhesives.

## Our Approach:

We embraced the challenge head-on. Through a series of collaborative sessions, we were able to distill what the client envisioned into a concrete, actionable design blueprint. The result was a flexible EFR (Electric Fixed Ratio) system. This custom-engineered unit combined all of the right components, mounted on a frame that could be moved where it was needed.

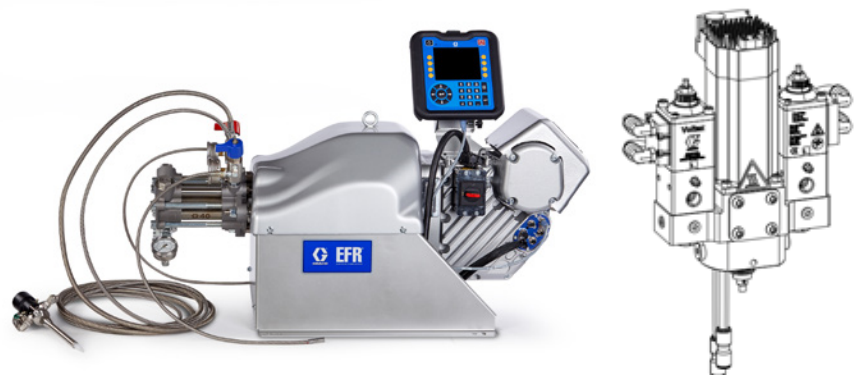
- **EFR (Electric Fixed Ratio) System:** an electrically-driven proportioner for two-component sealant and adhesives, ensuring consistent dosing of sealants and adhesives.
- **Voltex DMV (dynamic mix valve):** an electrically-driven proportioner for two-component sealant and adhesives, ensuring consistent mixing of sealants and adhesives.
- Two 38-liter stainless steel tanks with agitation
- Husky diaphragm pumps with Twistork for refill
- Custom-designed frame designed for mobility, housing a power distribution enclosure for single power drop
- A portable unit, focused on minimizing footprint while maximizing portability.

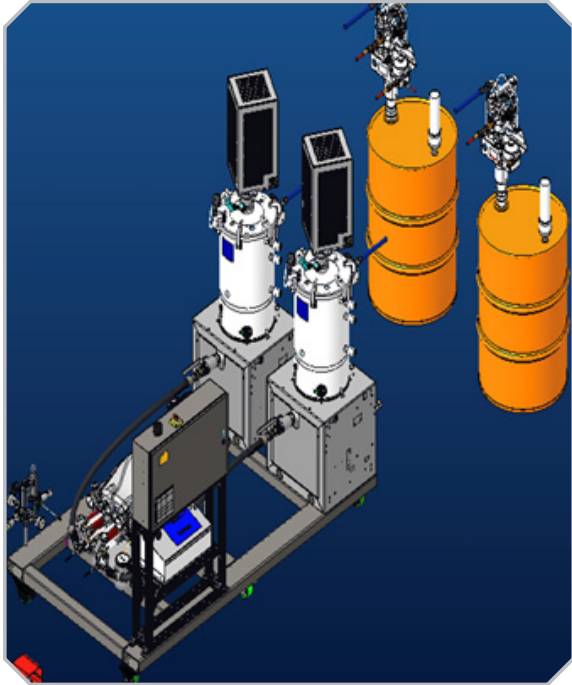


Custom EFR and Voltex Unit

## Integration and Control:

The Graco EFR system emerged as a proof of precision, delivering consistent shots and beads. The revamped Voltex DMV became the heart of the system, directing the flow and dynamically mixing materials. The Voltex was customized so it could be hung from a counterbalance and trigger actuated. A custom single pneumatic drop was engineered for five air inlets for various devices. For additional flexibility, the unit was powered into a single point of control, ensuring a streamlined operation.





## Integration and Control:

- Custom frame to distribute the weight for the required components
- Custom power distribution box for a single power drop for 4 loads
- Custom single pneumatic drop for 5 components
- Custom manual Voltex (DMV) hung from a counterbalance, with actuated trigger and handle

**“This customer needed a custom system with a lot of flexibility. We worked with them for months to design it, and gave them many quotes to help refine the design. I’m very proud of the work our team did...and also proud of the fact that originally, this customer wanted to use another supplier! They chose Graco because we could do it better and more economically.”**

**-Mike Bozzelli**

## Outcome:

With a fast-track engineering-to-shipment sprint, Graco engineered and built a new custom system for the customer, that was versatile and flexible enough to navigate through multiple dispensing tasks without sacrificing performance.

## Discover the Graco Difference:

Experience the collaboration of customer-centric engineering and state-of-the-art technology. Connect with Graco to explore this EFR system and other custom-made solutions designed to propel your production into the future.



Learn how Graco partners with our customers to solve their production issues  
**For product information or to request a demonstration,**  
 call **877.84GRACO (1-877-844-7226)** or visit **[www.graco.com/automotive](http://www.graco.com/automotive)**