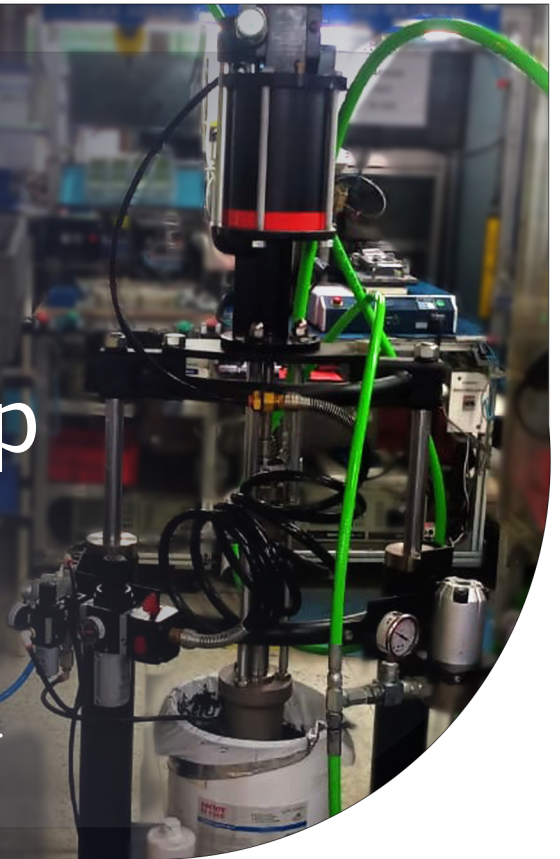


Accelerating Production Efficiency with ARO Piston Pump Solution

Increased Savings. Maximized Efficiency. Reduced TAT.



About the Client

Our client stands as a prominent brand in the automotive instruments and products business, recognized for pioneering excellence and innovation as an automotive technology company.

They work with many major automobile OEMs like Honda, TVS, and Ather Energy, solidifying their reputation as a trusted supplier in the industry.

Challenges & Requirements

They were following manual sealant dispensing process via sealant cartridges, for applying sealant in their manufacturing unit. The challenge here was that the recurring cost of cartridge sealants was escalating, prompting the need for a more cost-effective solution without compromising quality.

Solution

ARO's team along with their distributor, Ellsworth Adhesives, who is the adhesive supplier for the client collaborated closely with them to understand their requirements and challenges. Recognizing the inefficiencies in the sealant application process, we proposed a solution that involved transitioning from cartridge sealants to pail sealants, thus reducing recurring costs.

After a thorough analysis and discussions with the application team, the ARO team suggested:

- Using pail instead of cartridges
- A unique piston pump solution designed to meet the client's requirement

ARO recommended the installation of a 5 Gal, 65:1 RAM package along with related accessories, customized with a dispensing nozzle and an XY robot to meet their unique requirements. The pump was integrated into their manufacturing process to facilitate the application of sealants from pails instead of cartridges.

The ARO Advantages:

- An exclusive piston pump solution was installed within 60 days
- The entire process was automated, eliminating manual operations
- Efficient pumping system
- TAT was reduced by **67%**

Results

With ARO's pump solution in place, the client experienced a substantial reduction in sealant application costs and improved process efficiency. The efficient pump operation facilitated precise and consistent dispensing of sealants, improving overall process reliability and product quality.

The pump solution was delivered within the agreed timeframe for subsequent orders, bolstering their confidence in ARO's capabilities. Additionally, our comprehensive customer support throughout the installation process ensured seamless integration and optimal performance of the pump solution.



Cost Savings



Process Efficiency



Robotic Automation



Reduced TAT



Minimized Maintenance



Best customer support

A Bright Future

ARO's piston pump offered unmatched efficiency and reliability, delivering precise sealant application while minimizing maintenance requirements. Its robust design and superior performance made it the ideal solution for client's manufacturing needs. In light of these successes, the client has expressed their confidence by requesting an additional 5 pump solutions for installation across various sites nationwide. This further exemplifies the trust and satisfaction the client has placed in our products and solutions.

Contact an authorized ARO® distributor for a product demonstration and view the variety of material configurations available to meet your compatibility requirements.

ARO®

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Ingersoll Rand Inc. (NYSE:IR), driven by an entrepreneurial spirit and ownership mindset, is dedicated to helping make life better for our employees, customers and communities. Customers lean on us for our technology-driven excellence in mission-critical flow creation and industrial solutions across 40 respected brands where our products and services excel in the most complex and harsh conditions. Our employees develop customers for life through their daily commitment to expertise, productivity and efficiency. For more information, visit www.IRco.com.

We are committed to using environmentally conscious print practices

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