

A photograph of an automotive assembly line. Workers in blue uniforms are seen working on car chassis. The scene is filled with yellow overhead conveyor systems and industrial machinery. The lighting is bright, typical of a factory environment.

DESIGNETICS FOR THE AUTOMOTIVE INDUSTRY

HELPING MANUFACTURERS MAXIMIZE PROFITS

THE PROBLEM

After the global pandemic and an economic slump, the world is poised to rebound to new heights. Indeed, economists are predicting significant growth in the automotive industry with the economic recovery, with both new car sales and electric vehicle manufacturing predicted to increase over the course of the next several years. Herein lies a problem, significant growth will mean inventory shortages at dealerships, with the manufacturers who can scale up production winning more share. That means increasing production output while ensuring quality control and ways to reduce assembly costs.

THE SOLUTION

In our view, creating speed-to-market strategies will require focusing on manufacturing automation as much as possible. As the worldwide leader in adhesives and fluid applications solutions, Designetics is uniquely qualified to help automotive companies reduce costs, boost productivity, ensure quality control and gain competitive advantage.

For example, our applicators allow for a highly accurate, highly repeatable application of adhesives or other fluids to substrates like automotive windshields and plastic components via robotics or manual labor, controlling the flow of fluids and ensuring application to exacting standards. Coupled with our state-of-the-art dispensing equipment, the applicators offer a systemic way to build, adhere and assemble components more effectively.

What's more, we have thousands of different applicators available, fitting almost any need off-the-shelf. And for those unusual manufacturing builds? We customize applicators to client specification, developing these tools through rapid prototyping and 3D printing. In addition, our process engineers consult with manufacturers, assessing their assembly line processes and making recommendations on dispensing equipment to integrate into workflow.

THE RESULT

- ✓ IMPROVED PRODUCTIVITY
- ✓ LESS SCRAP AND SPOILAGE
- ✓ INCREASED MANUFACTURING SPEED
- ✓ REDUCED OVERALL ASSEMBLY COSTS

AN EXAMPLE OF DESIGNETICS HELPING THE AUTOMATIVE INDUSTRY

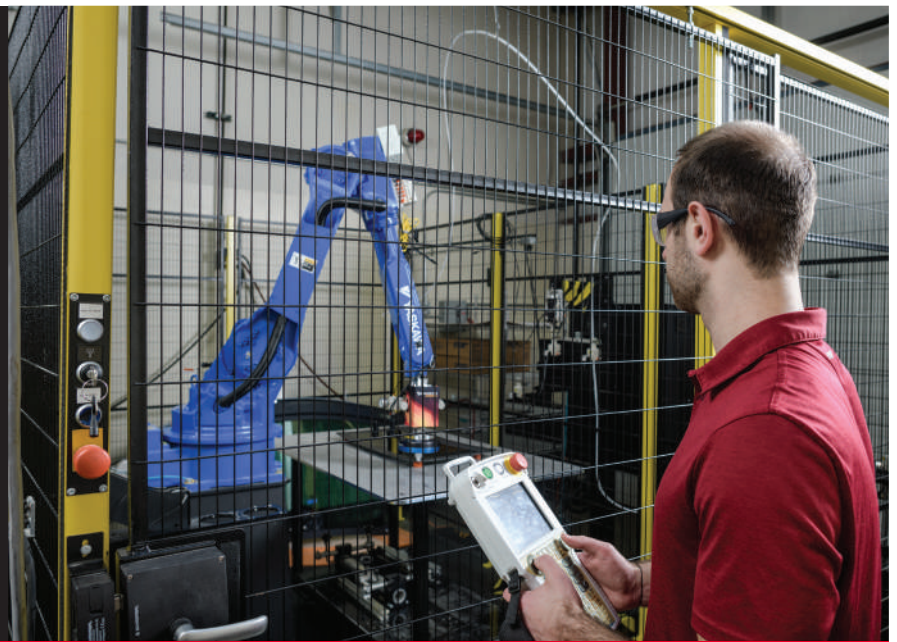
More than 3 decades ago, an automotive window manufacturer came to Designetics with a challenge: make a better way to apply materials such as primers and promoters to assembly line windshields, given that the existing method of wiping on these materials was time-consuming, messy and often involved damaging the windshield.

We worked to design the first fluid application solution for the industry, creating an applicator that offered smooth flow, precise application and repeatable results. Since that time, we have refined and innovated our solutions to ensure even more precise results, incorporating both semi-automated and fully automated solutions. Now, Designetics applicators offer repeatable action and smoothed assembly for automotive manufacturers, speeding operations and decreasing quality issues and defects.

OUR APPLICATORS AND DISPENSING EQUIPMENT ARE IDEAL FOR:

- ✓ Glass Substrates
- ✓ Plastic Components
- ✓ Circuit Board Applications
- ✓ Foam-on-Foam Adherence

...and more.



Ready to enhance your manufacturing processes for more profits and quicker assembly?

Call us at 419-866-0700 for a FREE consultation.

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