

DESIGNETICS FOR THE AEROSPACE INDUSTRY

WITH MORE COMPANIES PUSHING THE ENVELOPE, YOU NEED AN EDGE—THE DESIGNETICS EDGE.

THE PROBLEM

Private companies are aiming for the stars, developing rockets and ships for suborbital flight and potential commercial application. That's led to a space race, with providers seeking more assistance in fulfilling the quest to go farther, faster and higher. There's also a worldwide need to put more satellites into space, making that race a crowded one. And that's not even including the need for more terrestrial aero-applications like commercial passenger and shipping flights. Manufacturers targeting the aerospace industry need to create differentiation—that edge over competitors when vying for contracts.

We believe that edge is us.

As the worldwide leader in adhesives and fluid application solutions, Designetics is uniquely qualified to help aerospace manufacturers reduce costs, boost productivity, ensure quality control and gain competitive advantage. In essence, the race to go farther, faster and higher requires making manufacturing cheaper, faster and better. That's where we come in.

THE SOLUTION

Maximizing profit potential in a crowded aerospace field means looking to incorporate automation as much as possible, reducing cost, amping up repeatable and consistent assembly and maximizing yield. To do that, manufacturers need to tap the expertise of Designetics for precise, efficient and effective assembly of components.

For example, our applicators and dispensing equipment allow for highly accurate, highly repeatable application of adhesives or other fluids to substrates via robotics or manual labor, controlling the flow of fluids and ensuring application to exacting standards. Our state-of-the-art solutions offer a systemic way to build and assemble components more effectively, streamlining operations and ensuring the utmost in quality builds.

What's more, we have thousands of different dispensing applicators available, fitting almost any need off-the-shelf. For more unusual manufacturing needs, we customize applicators to client specification, developing these tools through rapid prototyping and 3D printing.

In addition, our process engineers work with manufacturers like yourself, assessing assembly line processes and making recommendations on the specific dispensing system required to make your process successful and seamlessly integrate into your workflow. We even test the application at our headquarters, to ensure a proper fit into your assembly line.

To further ensure work meets specifications, we manufacture compliance scanners, which can read and gauge the application of fluids and adhesives via a laser scanner. It all adds up to an attention to detail your manufacturing deserves.

THE RESULT

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

AN EXAMPLE OF DESIGNNETICS HELPING THE AEROSPACE INDUSTRY

A manufacturer in the aerospace industry needed to coat fasteners with an anti-corrosive. The current process involved painstakingly hand-painting this material, which was time-consuming and error-prone. Given the dimensions and size restrictions, the manufacturer could see no other choice. Until Designetics stepped in.

We designed a solution that automated the process, using fine detail applicators and repeatable action which simplified assembly and significantly reduced rework, speeding up the operation and boosting the customer's competitive advantage.

OUR APPLICATORS AND DISPENSING EQUIPMENT ARE IDEAL FOR:

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

...and more.



Ready to beat the competition?
CONTACT US for a FREE consultation.

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U.S. Patents Pending

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