

DESIGNETICS FOR THE DEFENSE INDUSTRY

MORE THAN 30 YEARS OF EXPERIENCE. 72 PATENTS. ONE AIM: YOUR SUCCESS.

THE PROBLEM

The defense industry is experiencing a contraction once again. At the wind-down of the Cold War, the number of aerospace and defense companies shrank considerably—from 51 down to five mega-companies—and since then, a number of start-ups have been swallowed up by mergers and acquisitions. So, once again, the number of companies serving the defense sector has shrunk, making for an intensely competitive landscape.

This fight-for-every-contract environment means competitive advantage becomes a differentiating point for DOD contracts, and eking out every profit percentage point can mean the difference between a lucrative contract and failure to even clear MIL-SPEC procurement hurdles.

THE SOLUTION

In our view, maximizing profit potential against a DOD contract means looking to manufacturing automation as much as possible. As the worldwide leader in adhesives and fluid applications solutions, Designetics is uniquely qualified to help defense manufacturers reduce costs, boost productivity, ensure quality control and gain competitive advantage.

For example, our applicators 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. Coupled with our state-of-the-art dispensing equipment, the applicators offer an ideal way to build and assemble your 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 regularly 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 DESIGNETICS HELPING DEFENSE CONTRACTORS

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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