A top-down view of a wooden surface with a grid of white hair applicator tips. The tips are arranged in three rows and seven columns. Each tip has a central hole and concentric rings. Two dashed lines with small circles at their ends point from the text blocks to specific tips in the grid.

OFF-THE-SHELF. OR CUSTOM. WE'LL FILL YOUR
APPLICATOR SPECIFICATIONS FLAWLESSLY.

OUR VAST ARRAY OF SYNTHETIC AND NATURAL HAIR APPLICATORS
WILL EXCEED YOUR NEEDS. WANT OPTIONS? WE'VE GOT OPTIONS.

In a world that's ever more complex, technology-driven, and precision-based, it's important to get a partner that's as focused on your manufacturing process as you are. That's us.

We're Designetics, the acknowledged leader in fluid application systems and solutions. After all, we understand your competition never rests—and the measure of your success relies on flawless execution, less spoilage and tight control over your manufacturing process.



FULLY AUTOMATIC

FLEXIBLE
MANUFACTURING



WE BUILT AN INDUSTRY

More than 35 years ago, an automotive manufacturer came to us with a challenge to make a better process to apply fluid to assembly line windshields. And so, we created an industry—and have been adapting, growing, and innovating ever since to give our clients the best possible fluid application solutions and systems.

Sometimes, that means creating fluid applicators from scratch, sourcing just the right brush or tip materials in an exacting manufacturing process to provide our clients with perfect—and repeatable—results every time. And sometimes, that means sitting down with clients and mapping out their production process, outlining ways Designetics products can improve their workflow. And sometimes, it means creating automated solutions, tapping into robotics to ensure precise and focused fluid application and results.

MANUAL, SEMI, AND FULLY-AUTOMATED SOLUTIONS



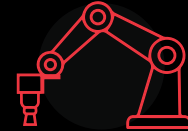
MANUAL APPLICATIONS

Maximize labor force and produce
repeatable results



SEMI-AUTOMATED APPLICATIONS

Increase productivity and
reduce errors



AUTOMATED APPLICATIONS

Enhance assembly line efficiency
and reduce workforce costs

These time-tested and production-oriented solutions come in three varieties—manual, semi-automated and automated applications—offering the utmost in flexibility when incorporating our products in manufacturing settings.



Our manual solutions allow assembly line operators to apply fluids to a substrate consistently while our semi-automated offerings incorporate pumps to the manual labor application, providing consistency in fluid dispersal. Finally, our automated solutions take full advantage of robotic assembly, using sophisticated automation and closed-loop systems to blend into assembly lines.



Working with Designetics—in whatever form—offers manufacturers unmatched opportunities, like task repetition with consistent results, reduced waste and significant reductions in environmental hazards from adhesive and fluid spillage or airborne chemicals.



**MANUAL
SOLUTIONS**

APPLICATORS

For decades, our core business has been offering manufacturers easier ways of applying fluid by way of a variety of applicators. In fact, over the years, we've created thousands of different types of applicators, in a host of styles and sizes.

Just a few of the types of applicators are:

- Brush
- Round
- Channel
- Wraparound
- Flat



Even though we've created thousands of different types of applicators, we acknowledge that manufacturers have very specific needs. For that reason, we offer the opportunity to create wholly new applicators, using rapid prototyping and expert consultation to fit exacting specifications. We also work closely with major chemical suppliers to test and understand variations in chemical applications.

BOTTLES, CAPS, AND MANUAL PUMP HEADS

To complement our applicators, we offer a dynamic range of plastic bottles, caps, and pump heads in a variety of sizes and shapes, to save, store and dispense everything from liquids to gels.

*Note: Applicators are also used in semi-automated and fully automated settings.
Bottles and caps are used in manual applications.*

AUTOMATED SOLUTIONS

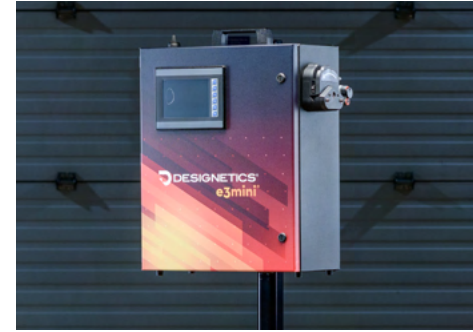


e3 SERIES PRECISION PUMP UNITS

The e3 series pump units use positive-displacement (peristaltic) pumps that can dispense a wide range of fluids precisely and accurately. With the e3mini and e3multi, the pumps come with a built-in HMI, where users can set multiple settings to dial in their process. These units can be integrated into a system by providing an ethernet, analog or discrete IO signal.

For a single application line, the e3mini can be used and for applications that require multiple lines, the e3multi would be the choice as it can be configured for either two or three pumps.

The e3minimax is a compact peristaltic pump that does away with the need for HMI control, given that it's set up and controlled via web interfaces through an Ethernet. This unit includes a servo-driven pump, rated up to 220V, which has a large range of operating speeds from 0-250 RPM. For multiple applications, e3minimax units can be all connected to an Ethernet and controlled through the installed web HMI.





AUTOPRIME
CE

DESIGNETICS®



DESIGNETICS®

AUTOPRIME CE

Meet the AUTOPRIME CE, a cutting-edge positive displacement pump engineered to transform your fluid application process with its state-of-the-art servo motor and peristaltic technology. This robust pump delivers precise control of fluid dispensing with a speed range of 0-250 RPM and features easy integration into existing systems thanks to its compact design and diverse control options, including Ethernet/IP, Modbus communications, and an optional HMI for enhanced usability.

Fully CE certified, the AUTOPRIME CE is equipped with a manual forward switch, supports a direct plug-in for Designetics accessories, and offers optional PROFINET add-on for advanced network integration. Ideal for spaces requiring high-performance in a compact footprint, this pump is a versatile solution tailored to improve operational efficiency and system compatibility.





ACCESSORIES

Our suite of fluid dispensing accessories exemplifies our commitment to perfection, offering enhancements that streamline your fluid dispensing process. These tools ensure consistent, accurate and repeatable results every time, which is crucial in mission-critical manufacturing to prevent errors and work stoppages.

Key accessories include the Precision Air Compliance®, which provides uniform application with dual pressure settings, and the Ce360™ laser scanner, designed for real-time advanced insights to optimize primer application. The 6000 Handheld Remote™ delivers fluid control directly to your hands, transforming manual operations into streamlined semi-automated systems.

These innovations not only speed up the production line but also enhance precision in fluid application, allowing manufacturers to increase output in an error-free environment. Upgrade your fluid dispensing process with our versatile and efficient solutions, designed to optimize precision and ease of use.

Please note our products are designed to be used exclusively with Designetics-branded applicators.

PRECISION AIR COMPLIANCE

Our Precision Air Compliance has a double-acting, non-rotating cylinder with an air bearing and has a 0.75-inch stroke. Using two pressure regulators, upward and downward pressure can be set to ensure a constant pressure on the applicator. This tool uses shop air, and the regulators can be set at appropriate pressures; the regulators can be set from 0 to 30 PSI with the downward pressure being higher than the upward pressure. The two pressure regulators and the air manifold can also be removed and mounted as required. This Compliance can be also configured with an applicator stripper, which is controlled with a customer supplied Robot/PLC.



HANDHELD REMOTE

Our Handheld Remote is used in semi-automated applications—in conjunction with the Designetics e3mini or e3multi—to provide consistent fluid to a Designetics applicator. The unit provides a signal, triggering the operation of a pump on the e3mini or e3multi. Fluid is dispensed through the unit by installing disposable tubing, which connects to the pump head of the e3mini or e3multi through the device.





BOTTLE HOLDERS

Our 10601 Series Bottle Holder is designed to ensure your fluid is free of contaminants, offering an airtight seal for standard one-liter or one-gallon manufacturer's containers. It's ideal for dispensing fluid using our e3 Series Precision Pump Units and can be equipped with a level detection system. The Designetics bottle holder can also be adapted to fit the size of your primer container.

The 10601 Series Bottle Holder has several potential options, including a stir plate which ensures solids and solvents stay mixed. The stir plate also includes a load cell level sensor, which monitors the weight of the bottle to alert operators when the amount of material in the bottle is low. Another option is the low-level digital sensor, used for clear materials, which indicates when the material in a bottle reaches a certain level.

APPLICATOR TRACK

The Applicator Track can be used to supply a fixed number of applicators to an exact repeatable location, oriented to the specific dimensions of the part. The gravity-fed unit pushes the applicator into position and the sensors indicate when the track is low or if the applicator is not in proper position for pickup. The track comes with a docking station for a resting position between applications and a tamping station for removing excess material after initial wet-out of the applicator.

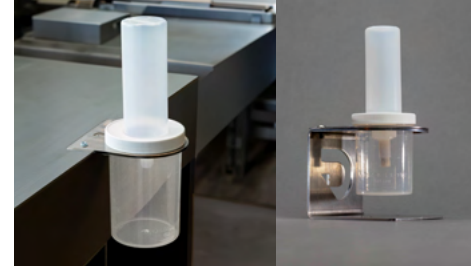


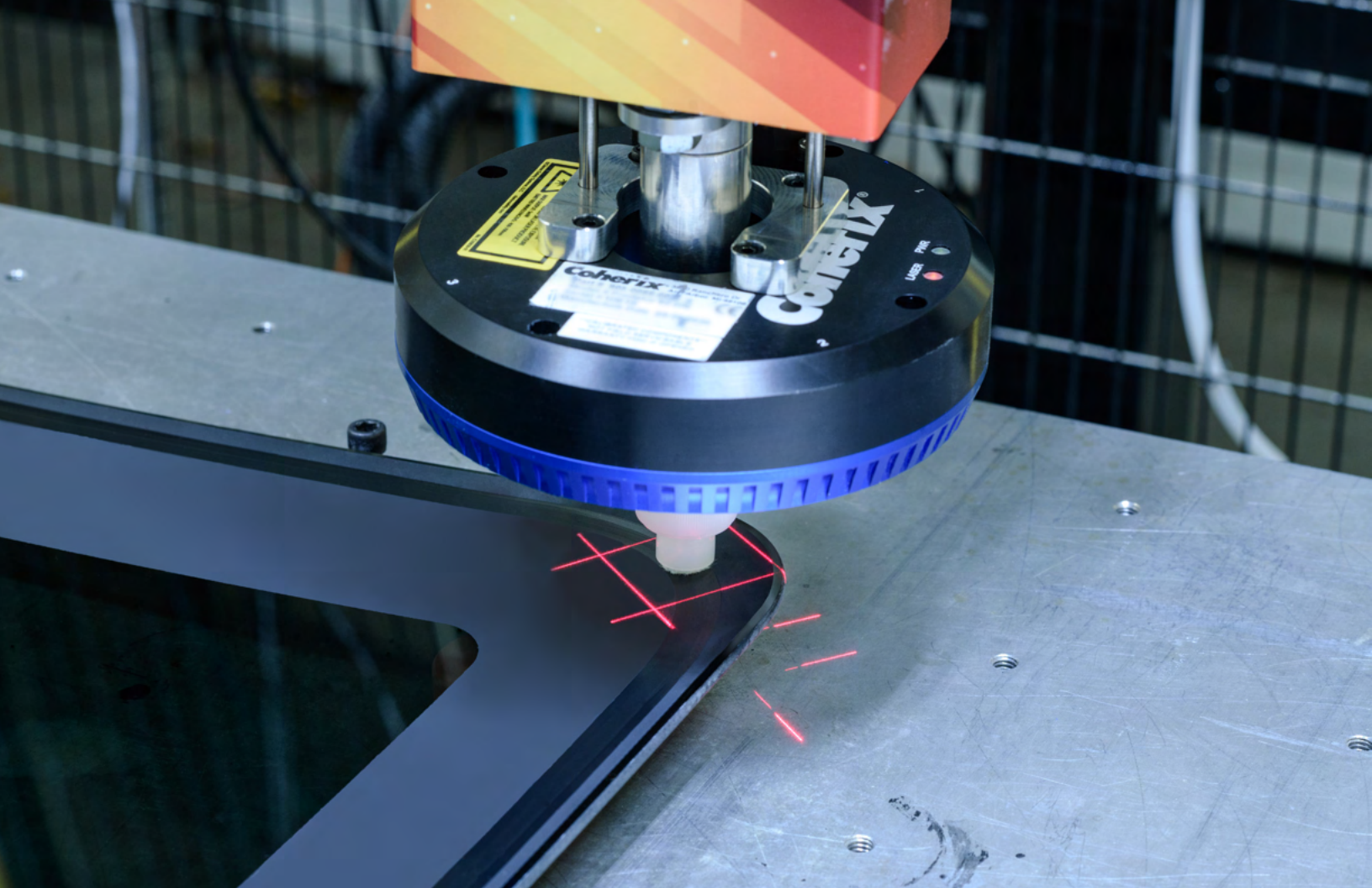


DOCKING STATION

Enhance your manufacturing and production processes with the Designetics Docking Station, an advanced system designed to extend the performance and lifespan of your fluid applicators. This state-of-the-art docking station not only stores but also protects against physical damage, environmental contaminants, and moisture loss, ensuring that applicators remain in prime condition for immediate use.

Compatible with both Handheld Remote and Applicator Track systems and equally effective for standalone manual operations, the docking station is essential for ensuring precision and efficiency in fluid application tasks. With features like damage prevention, contamination shielding, moisture preservation, and facilitating the “wet-out” process for rapid readiness, this docking station integrates seamlessly into workflows, supports quality standards, and optimizes operational efficiency and applicator maintenance.





SOLUTIONS DESIGNED FOR SPECIFIC APPLICATIONS

CE360

Our Ce360 laser scanner provides an advanced inspection solution in real time, using four high-speed laser sensors surrounding a dispensing nozzle to visually track and inspect the applied primer in any direction without blind corners. Processing 1,600 samples per second, the Ce360 offers industry-leading acquisition speed, avoiding production slow-downs and boosting productivity.



HORIZONTAL DP3

The Horizontal dp3 combines the technology of our 5000 Automatic Flow Dispenser with an easy-to-use fixture. The function of the unit is pneumatic, eliminating any flash source to reduce risks when using flammable fluids. The Horizontal dp3 features a compact system that can be installed on production lines and is capable of being mounted to nearly any work surface.

OPPORTUNITIES ABOUND

Regardless, working with Designetics—in whatever form—offers manufacturers unmatched opportunities. Opportunities like task repetition with consistent results. Opportunities like reduced waste because accurate application means less spoilage and scrap. Opportunities like a significant reduction in environmental hazards from adhesive and fluid spillage or airborne chemicals, and opportunities for you to grow, thrive and ultimately beat your competition.

Any engagement with us begins with our time-tested process and it's simple: we listen. Instead of rushing to a force-fit solution or selling you products we already have...we listen. We listen to your challenges and needs.



**CONSISTENT
RESULTS**



**REDUCED
WASTE**



**REDUCTION IN
ENVIRONMENTAL
HAZARDS**



GROW



SOLUTIONS-BASED, SUCCESS-DRIVEN

Then, we roll up our sleeves and get to work. It may mean creating fluid application solutions from scratch. Or it may mean customizing existing applicator brushes and tips...or using any of our thousands of existing designs. It may mean integrating our industrial dispensing equipment in concert with applicators into your manufacturing chain. Or it may even mean customizing a never-been-done-before brand new solution.

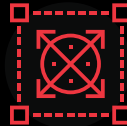
Whatever the case, we work with you every step of the way. That means employing our process, where we map out your manufacturing cycle to determine best fits. Then, we brainstorm to create rapid prototypes of our solution, and recreate your manufacturing process to refine our products to work flawlessly. Then, and only then, do we bring it to you. But we don't stop there. We conduct on-site tests at your facility to ensure perfect results. That's the Designetics difference.

THE DESIGNETICS DIFFERENCE

DESIGNETICS WORKS
WITH YOU TO UNDERSTAND
YOUR SPECIFIC NEEDS,
REQUIREMENTS, AND PROCESS



CREATE RAPID PROTOTYPES
OF OUR SOLUTION



CONDUCT ON-SITE TESTS
TO ENSURE REQUIRED
RESULTS



CREATE A CUSTOMIZED
SOLUTION BASED ON
CUSTOMER REQUIREMENTS

RECREATE YOUR
MANUFACTURING PROCESS
TO TEST AND REFINE
OUR SOLUTION



HELPING YOU GROW

Countless manufacturers have used our solutions to run smarter, faster and more efficiently. That means they're continually poised for growth and more revenue, because of the benefits reduced labor costs and spoilage that's inherent from using our products. We've helped manufacturers in everything from personal watercraft manufacturing to retail packaging. And everything in between. Imagine what we can do for you.



**Get started by calling us at:
419-866-0700**

