

# MEDICAL DEVICE ASSEMBLY AUTOMATION

## CAPABILITIES

### FROM NEW PRODUCT LAUNCH SCALE-UP TO FULLY AUTOMATED TURNKEY SOLUTIONS



#### THE SYSTEMATIX ADVANTAGE

SYSTEMATIX customers benefit from the disciplined approach and expertise gained from engineering hundreds of automated assembly and test systems.

We build quality into every phase of the engineering, assembly and integration process. In the pre-automation phase, we conduct proof of principle studies and prototyping to verify proposed solutions. Our controls designers and programmers are experts at integrating industry leading inspection, test, and process monitoring systems – all configured to support the FDA validation process.

#### NEW PRODUCT LAUNCH SCALE-UP

To help reduce the cost associated with new product launches, SYSTEMATIX engineers are capable of designing semi-automated solutions that can be scaled up to full automation as your production volume grows.



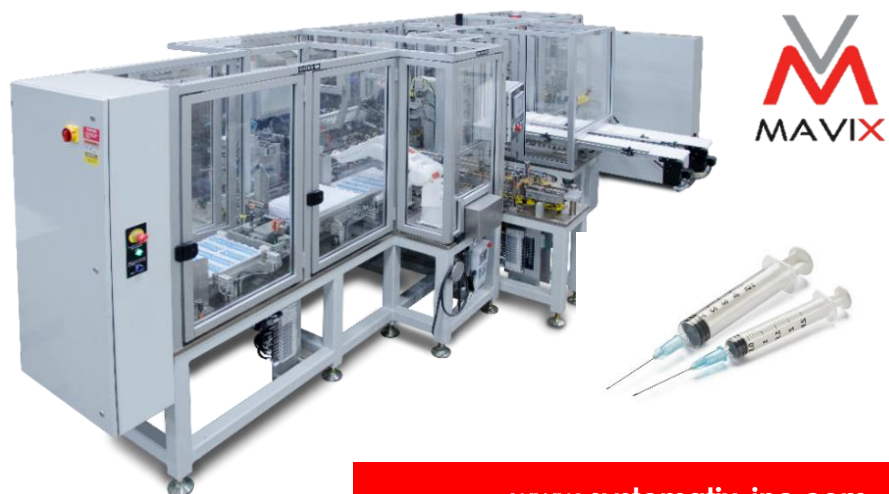
As a risk mitigation strategy for semi-automated medical device assembly systems, vision technology provides the operator with manual assist, and test processes.

#### FULLY AUTOMATED ASSEMBLY & TEST

A SYSTEMATIX engineered turnkey automation system for high volume production is an extension of your quality management program.

Our highly capable engineers integrate inline test, inspection, and process monitoring technology that allows you to run at rate while delivering reliable and accurate production and process data, and 100% inspection and test of your critical processes.

With the application of our own MAVIX or industry standard vision technology our systems provide inline inspection of incoming parts for defects, vision guided part orientation, assembly process confirmation, particle inspection, and reject identification at any stage of your manufacturing operation.



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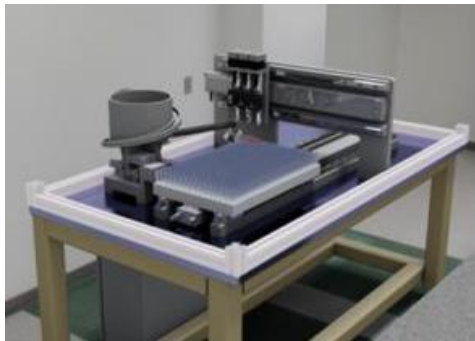


### YOUR PARTNER IN RISK MITIGATION

At SYSTEMATIX we understand that risk mitigation is a primary concern for medical and pharmaceutical manufacturers.

Our proprietary SPMX Process Intelligence software provides real time quality test results and reports to help you identify process improvement opportunities.

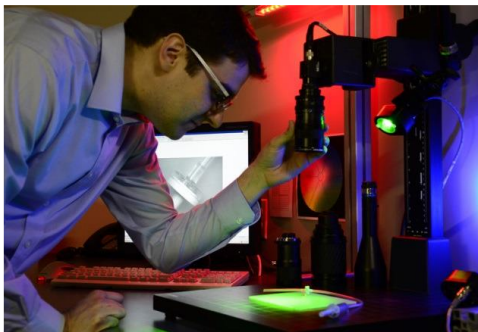
Combined with data processing, advanced vision technology and test applications, you can report with confidence to management, regulators and customers.



### QUALITY BY DESIGN

We deliver exceptional value when you engage us early in your development process to conduct proof of principle analysis.

To ensure you are production-ready with a design that is robust, cost-effective and appropriate for your needs, we develop digital prototypes using 3D animation and dynamic simulation. For the most complex applications we create physical prototypes to prove out your critical processes.



### INNOVATION TO SERVE YOU BETTER

Our highly qualified team is well positioned to take advantage of a new generation of high speed cameras and lighting, intuitive software, and advanced inspection algorithms including customized and industry leading detection capability.

We have a well-equipped lab for proving out vision inspection solutions. Send us your RFQ or product samples and our experts can recommend a solution that will work for you.



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