

AUTOMATED METROLOGY SYSTEMS FOR MORE INTELLIGENT MANUFACTURING



MEASURE, RESPOND, REPEAT.

Our measurement process is made for automation. Set up a recipe, and then measure parts again and again without writing any code. Our systems are ready for completely automated in-line metrology, or they can be used as near-line metrology stations, operated by any user with repeatable results.

Walk through our measurement process and see what you can do with one click.

UPLOAD -

Start with a CAD model from any design software. Upload STP files or STL files of your parts to use as the basis of your analysis.

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COMPARE

Set your tolerance ranges and see a color coded map comparing all your data points to your CAD model. At a glance you can see areas that need closer inspection.

SCAN

The software automatically begins scan motion and begins collecting data. Our laser scanners collect millions of data points to form a thorough picture of your products with accuracy as fine as 12 microns. With motion platforms from one to six axes, and a variety of scanner options, we have scanning solutions for any application.

ANALYZE

Our proprietary software allows you to add datums and reference features, and to measure using the GD&T tools you need to match your requirements. Measurement steps can be added to a recipe to produce results quickly again and again with the push of a button.

Need something unique? Our team is ready to build custom measurements to meet your needs.



REPORT —

Automatically export the results you need for your process: measurement reports, point cloud, or cross sectioned data that you can analyze off-line. Or allow our automated systems to give you a simple pass/fail judgment. Our systems produce simple and reliable results to keep you moving forward.



RESPOND

Leverage your measurement data to do more work. Use the GPIO pass/fail judgment to determine the next step, export measurement data to other systems, or adapt the next process to match the measured shape. MAS can help seamlessly integrate our metrology systems into your process.



Use MAS Scan-to-Path[™] to fix your quality problems **before** they happen.

Our Scan-to-Path[™] software package allows you to **automatically** import a robot path, edit the path to exactly match the measured part, and then modify the robot motion—all in an off-the-shelf package.

WIDE RANGE OF SCANNING SYSTEMS



S6000-C Collaborative Robotic Scanning



S6000-P Robotic Laser Profilometry



S6000-X Robotic Scanning and Post-Processing



S1000 Single Axis 3D Scanning



S3000 High Accuracy Scanning, up to 3 Axes



3i-FLEX Integrate Onto Any Robot

More information at **mfgautosys.com/s-series**

STANDARD DESIGNS, CUSTOMIZED TO FIT YOUR NEEDS

At MAS our goal is to make it as easy as possible for your to take back control of your manufacturing process. Our team at MAS has used our automated metrology experience to develop a family of automated metrology systems, designed to be quickly customized to your application—enabling you to add intelligence to your process and to improve profits more quickly than ever. Using our pre-engineered systems, we can efficiently tailor a system to fit your application.

We always begin our process with a discovery meeting to learn about your pain points, and for most customers we can generate a final design proposal in 3 meetings—only using a few hours of your time.

SCHEDULE YOUR DISCOVERY MEETING TODAY!



Talk to an engineer about your measurement challenges and find out how S-Series and MAS can help you improve your quality.



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