

Hexagon

Portable Metrology for High Accuracy Inspection and Reverse Engineering

PROBLEM STATEMENT

Manufacturers often struggle with lengthy inspection processes, limited access to measurement equipment and the challenge of verifying increasingly complex parts and assemblies. Moving components to a traditional inspection room can increase downtime, delay production and introduce additional costs.

Many organizations also require accurate measurement solutions for reverse engineering legacy parts or validating large-scale assemblies that cannot easily be measured with conventional systems.

BENEFITS

Improve quality while reducing inspection time with portable metrology solutions that deliver fast, accurate measurement anywhere in the manufacturing process. Users can inspect parts directly on the shop floor, verify assemblies, capture complex geometry for reverse engineering and eliminate costly rework. Portable measurement increases flexibility, improves productivity and provides immediate access to reliable dimensional data for faster decision making.

TECHNOLOGY SOLUTION

Hexagon's portable metrology portfolio combines the Absolute Arm, handheld 3D scanning and Leica AT960 Laser Tracker with T-Probe and AS1 Scanner to deliver accurate measurement wherever it's needed. These solutions provide contact and non-contact inspection, high-speed 3D scanning, large-volume measurement and precise alignment capabilities. Integrated software transforms captured data into actionable insights, helping manufacturers accelerate inspection, improve quality and support connected manufacturing workflows.

GRAPHIC

