Fast & Accurate Automated Quality Control

Detect Quality Issues Faster & Make Better Decisions

MSL
3D METROLOGY

www.measurement-solutions.co.uk

1,500
UK installations & counting

600+
Happy Customers

24^
Years' experience

Introduction

Fast & accurate 3D scanning solutions for automated quality control

MSL has rapidly become one of the most trusted UK partners of high-quality 3D Scanning, 3D Software and 3D Metrology for end-to-end Design, Manufacture and Inspection solutions and services to improve manufacturing processes.

With over 24 years experience, and in excess of 600 UK Customers we are renowned for providing solutions across many sectors, from Heavy Industry, Aerospace, Automotive and Energy through to Motorsport and Formula 1.

Our longstanding, strategic level partnership with Creaform enables us to provide the R-Series™ 3D scanning solutions designed for automated quality control applications, perfect for manufacturing companies who want to increase their productivity by measuring more dimensions on more parts without compromising accuracy.

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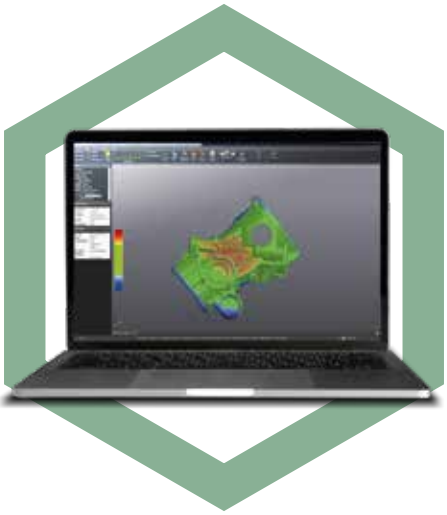
This ‘off-the shelf’ solution is completely integrated with a specially designed portable workstation, inclusive of rotary table.

RoboSCAN-R

The RoboSCAN-R is an integrated solution utilising the Creaform HandySCAN or MetraSCAN-R with a Universal Robot or Fanuc Cobot. This ‘off-the shelf’ solution is completely integrated with a specially designed portable workstation, inclusive of rotary table. The perfect solution for OEM’s, Tier one, Tier Two and SME’s looking to adopt automated quality control, at an affordable price.

Simplicity in application is key, which is why the HandySCAN integrates with the UR (UR5e, UR10e, UR16e) collaborative robot, allowing part programming in minutes. This solution provides the versatility to operate the HandySCAN manually for reverse engineering applications and single component inspection or the scanner can easily be attached to a Collaborative Robot for medium and high volume inspection routines, thus providing a scalable and competitive automated quality control solution.

Scan here to discover more



VXelements™

The MetraSCAN 3D-R seamlessly operates with VXelements, a fully integrated, user-friendly 3D scanning software platform. VXelements's range of advanced modules let you leverage all the dimensional information captured by MetraSCAN 3D-R in a simplified, feature-rich data processing environment.

The CUBE-R™

The CUBE-R™ leverages the power of the MetraSCAN 3D-R in a high-productivity industrial measuring cell that has been designed to be integrated into factories for at-line inspections. Compared to traditional CMMs, it is a fast, reliable, and a complete turnkey solution for automated quality control applications providing productivity gains and improved efficiency.

Scan here to discover more

VXinspect

VXinspect in the ideal, entry-level 3D inspection software solution for manufacturing companies conducting first article inspection (FAI) and production control. VXinspect features all the essential functionalities required to build a measurement sequence allowing high efficiency when controlling multiple parts.

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MetraSCAN 3D-R™

Part of the MetraSCAN 3D line-up, the MetraSCAN 3D-R™ is an innovative robot-mounted optical CMM 3D scanner that can be seamlessly integrated into automated quality control processes for at-line inspection in mass production, designed for 3D automated inspection of parts on the production line and on the shop floor.

Scan here to discover more

VXscan-R™

Digital Twin Environment Software, the most intuitive programming and acquisition platform for automated 3D scanning VXscan-R™ is a reliable and accurate digital twin environment useful for program preparation, setting scan parameter adjustment, speed, shutter time, scan resolution, scan simulation and execution.

Scan here to discover more

Discover more about automated Quality Control

If you wish to discover more about automated quality control, or if you'd simple like to book a demo please can the QR code below and fill out our enquiry form. Alternatively you can call our office on: 01733 325 252

Scan here to book a demo

Products

MSL combine decades of engineering experience with industry-leading manufacturing partners to help improve manufacturing workflows and processes. Together, we help bridge the gap between design, manufacturing and inspection.

Projection

- Virtek IRIS 3D
- Virtek IRIS SPS
- Virtek IRIS Activetrack

Scanning

- GO!SCAN 3D
- HandySCAN 3D
- MetraSCAN 3D
- Maxshot 3D
- SmartDent

Metrology

- Coord 3 CMM
- Kreon Technologies
- Cube-R
- MetraSCAN-R
- HandyPROBE
- RoboSCAN-R

Software

- Metrolog X4
- Silma-X4
- nTopology
- VX-Model
- VXinspect
- VX-Scan-R

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