



Contract Services From MSL

3D Scanning, Off site CMM and AQC for
Multi Part Inspection



Compatible with your workflows

MSL specialise in developing highly efficient measurement and design workflows, by using a range of software tools, that will seamlessly work with your existing processes. Whether it's a design, a measurement requirement or both, we can provide you with data that's compatible and ready to use, enabling you to examine, manipulate and output the data as and when you need it.

Contract Measurement

Quality assurance for, single part and multi-part components



Fast



Reliable



Repeatable



Automated (AQC)



Traceable

Contract Design

Producing designs and digital objects ready for additive manufacturing



Lightweighting



Thermal Management



Mass Customisation



Industrial Design



Architected Materials

CREAFORM

metrologic
group

nTopology

RENISHAW
apply innovation™

COORD
INDUSTRIES

UNIVERSAL
ROBOTS

MSL Contract Services

As a trusted partner for metrology, 3D scanning, machine calibration, and training, MSL brings together a range of services that streamline metrology workflows.

Along with the supply, installation, & maintenance of cutting-edge measurement equipment, we provide quick and easy access through our Contract Design and Contract Measurement services. Which is ideal for businesses looking to free-up internal resource or take advantage of world class technology without the price tag.

Contract Measurement

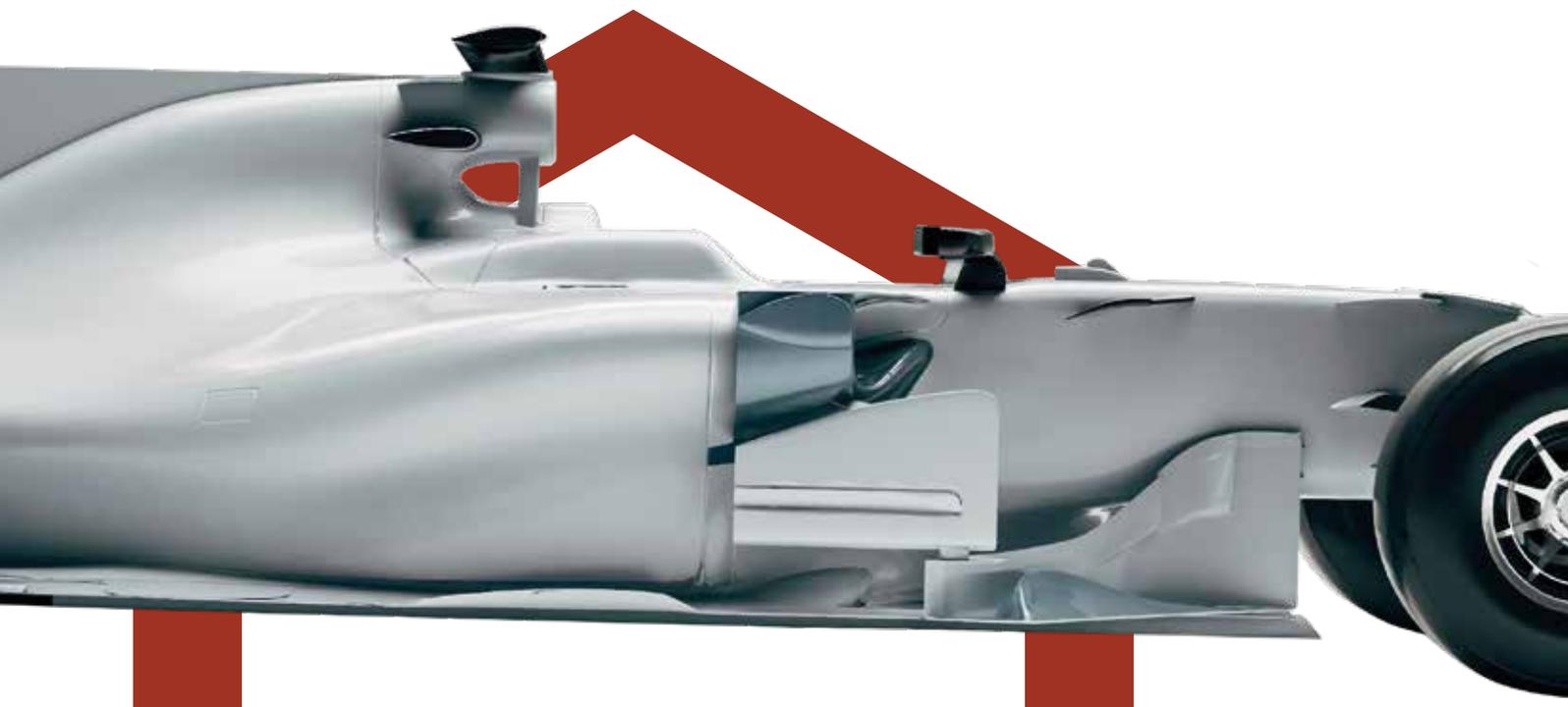
Using MSL's outsourced contract measurement service is a highly efficient way to increase your measurement capacity, remove internal measurement bottlenecks or simply help you to take your first steps into exploring how 3D Scanning can add benefit to your processes, without the upfront investment in associated product costs and maintenance.

As the UK's leading supplier and service centre for Creaform, Coord3, nTopology, Renishaw, and more, we're able to support your business by providing an outsourced service to meet your needs throughout the entire design, manufacturing, and inspection process.

Contract Design

In addition to contract measurement services, MSL can also provide you with an outsourced 3D design service utilising our nTopology software. Whether it's for a single part or multi-part project on an adhoc or ongoing basis it will enable you to quickly create optimised parts that are lighter and stronger with less material wastage and increased cost savings.

Adopting our outsourced 3D design service is an ideal approach for any business looking to free-up internal resource or take advantage of world class design engineering software, without the associated license fees.



Contract Measurement

We work with a range of OEMs, providing **3D scanners** for highly portable measurement through to fixed **CMM** for ultra-accurate quality control, used in conjunction with best-in-class **software** from Creaform and Metrologic Group.

3D Scanner or CMM?

There are several factors to consider when thinking about what tools to use. Environment, portability, tolerance, speed, and repeatability are just a few. If you're unsure about the technical performance and differences between, portable measurement and fixed CMM machines, then get in touch and we'll happily arrange a demonstration to explore which solution is right for you.



Bullet-Proof Traceability

As engineers, we understand the importance of traceability. Our process ensures we create an unbroken chain of custody that allows you to record every step during the process including part numbers, measurement information, calibration results, processing operations, and environmental conditions.



Off site or On site?

3D Scanning and probing technology works on complex geometries and highly reflective materials providing your engineers with the feedback they need to report manufactured component deviations from the design intent. Given the lightweight and portable nature of our Creaform scanners, we're able to work directly with your team anywhere in the UK.

Alternatively, you can take advantage of our facility in Derby for high volume or multi part measurement that requires a CMM for high precision inspection of parts and components. Alternatively use a CMM mounted laser scanner for the most accurate automated inspection on the market.



Repeatability

Along with manual measurement (3D Scanners) we operate an Automated Quality Control (AQC) program. Our AQC solution uses a Creaform Scanner mounted to a programmable robot arm (Fanuc or Universal Robots) to deliver fast, accurate scan data, that can help reduce your production cycle and eliminate human error from the measurement process.

Whatever your measurement service requirements, we have a solution to meet your needs, get in touch to arrange a consultation and let's establish which service is right for you and your business.





Contract Design

MSL are the UK resellers for nTopology, the next generation design engineering software. nTopology has a diverse and unique toolset of generative design, topology optimization, and automation capabilities, as well as an unbreakable geometry engine that can handle the complexities of advanced manufacturing.

nTopology offers a solution to tackle the specific challenges of any industry, enabling lattice parameters to be controlled at every point in space using Field-Driven Design.

Through the adoption of our contract design services, you can now take advantage of this powerful technology without the cost or timely learning curve. If you're looking to see what additive manufacturing can do for you, then MSL's team of engineers can help you, simply give us a call to get the ball rolling.



Reduce weight

Significantly reduce component weight



Simulated tests

Evaluate part performance in simulated conditions



Reduce costs

Significantly reduce material costs



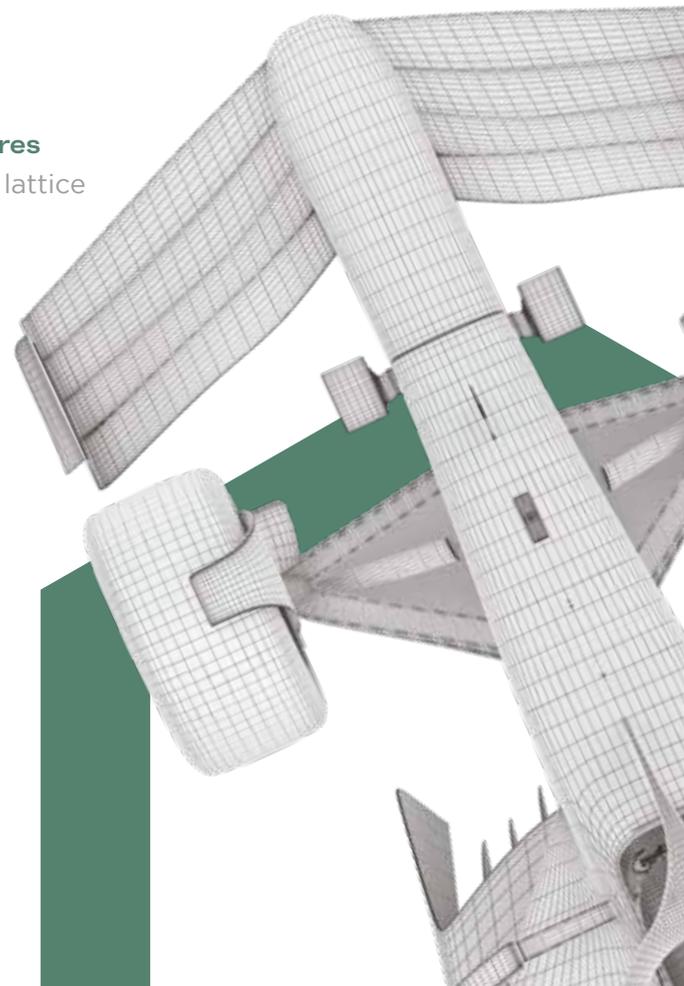
Additive manufacturing

Prepare for Additive Manufacturing



Complex lattice structures

Generate highly complex lattice structures



Book a demo
See how we can increase your businesses efficiency.



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

VXmodel

VXinspect

VXscan-R



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