



Optimax

Inspection Technology
Confidently Implemented™

Inspection & Metrology

Years of industry knowledge help us select the very best inspection equipment, supported by a UKAS accredited laboratory and dedicated support team.

We will help you confidently select and implement inspection technology, at the highest available level of automation.



“High quality products and services have led to a long-standing relationship. Our main supplier of optical visual inspection aids and non-contact Metrology instruments, we continually rely on them. Their sales and Technical support is always available and their onsite engineers have deep product knowledge. We’ve recommend Optimax to several subcontractors, aiming to match our production standards.”

Glennair



Get in touch

To arrange a free no obligation demonstration or to discuss your particular application or requirement call or email us now.



Come and see us

Why not come along to our conveniently situated Midlands based showroom for a better look at what we can offer.

01858 436940

sales@optimaxonline.com

Our trusted partners

 **KITOV.ai**


INSPEKTO
AUTONOMOUS MACHINE VISION


HAWKEYE
PRECISION BORESCOPES

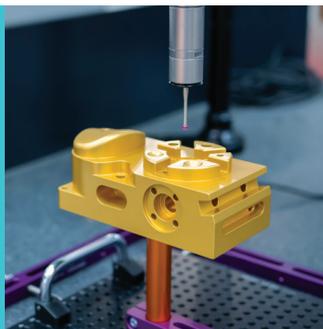

Vision
ENGINEERING

DOOSAN

Technical Services

- UKAS Calibration
- Consultancy & Training
- Programming
- Contract Inspection
- Repairs and Upgrades

Enquire at support@optimaxonline.com or call our Support line on 01858 436944



“Optimax provided a Starrett HB400 profile projector. It was installed and calibrated in a day. The engineer was well trained, the installation went very smoothly and included comprehensive training. We value this type of support and recommend Optimax as an effective organisation”

BEL Valves



We are accredited to:

- UKAS ISO17025
- Safe Contractor
- Cyber Essentials
- Running on EOS

UKAS Schedule covers:

- Height Gauges
- Shadowgraphs
- Microscopes
- Video CMM's
- Optical Shaft



Our trusted partners

Bruker alicona

Starrett[®]

 EVIXSCAN3D

 Mahr



Visual Inspection



AI Driven defect detection and Manual Inspection and Rework Aids



AI Driven inspection

- Automate even the most challenging defect and attribute inspection tasks using the very latest AI driven inspection tools
- Dual sensor technology available providing both detection and measurement



Operator based inspection

- Stress free ergonomic solutions to manual inspection and manipulation tasks
- Digital, stereo and compound microscopes. Ergonomic viewers and bench magnifiers



"Optimax's extensive product range attracted us. They understood my needs and provided a solution fitting my manufacturing process. Knowledgeable and friendly, their virtual demonstration was very helpful. The project exceeded expectations. I highly recommend Optimax." **Federal Mogul Coventry**

Dimensional Measuring Equipment



Vast range of application focussed products for production or inspection

Co-ordinate measuring

Solution based product selection for production & Inspection

- Video CMM
- Multisensor CMM
- Tactile CMM
- Manual & Automated



Handheld, Manual, and Height Gauge Measurement Instruments

- Micrometers & Verniers
- Toolmakers microscopes
- Surface tables
- Gauges
- Portable roughness



Shaft Measuring for Turned and Cylindrical Parts

- Optical
- Tactile probes
- Wide variety of diameters
- Lengths up to 1.5m
- Ultrahigh precision



Optical and Digital Shadowgraphs

- Huge range floor & bench standing
- Manual and automated
- CAD Comparison
- Traditional and Digital
- LED illumination across the range

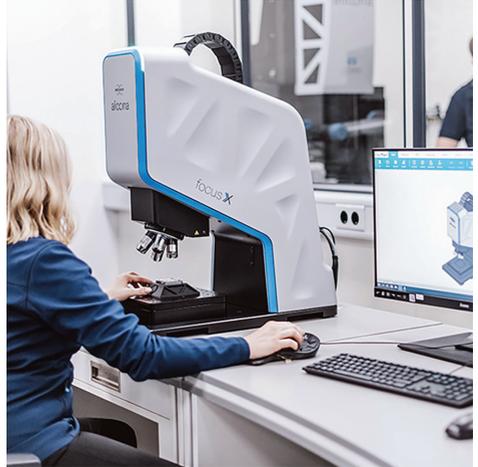
Optical 3D Surface & Geometry Scanning



Closing the gap between traditional metrology and surface characterisation

Ultra High Accuracy Optical CMM's, With Real 3D Surface Data

- Combine all metrology process in one unit
- Roughness, GD&T, Edge & Surface
- Unique Vertical Probing
- 3-6 axis systems REAL 3D
- Full digital twin program & Reporting
- Nano, Micro & Macro



Portable Metrology & Defect Inspection

- Fully portable
- Ding & Defect
- Corrosion & Edge Break
- Completely non-contact
- Super high resolution



3D Structured Light for Quality & Reverse Engineering

- High speed wide field
- High Resolution
- Huge range of products
- GD&T Quality control software
- Scanning 3D

Precision Borescopes



Endoscopes, fibrescopes and videoscopes where direct view is not possible



Video scope

Very latest cost effective video scopes

- Full articulation available
- Diameters from 0.95
- HD Resolution available
- Interchangeable probes
- Lengths up to 12m



Rigid borescope

- Best in class ruggedised
- Diameters from 0.95mm
- Lengths up to 1.5m
- All viewing angles
- Cameras & Lighting accessories
- UV NDT available

Force & Material Testing



Product & material testing systems for all industries

Force and material testing, frames, software, load cell, jigs and fixtures

- Application specific software
- Wide range of frames
- Load cells for all applications
- User friendly software



Optimax

Contact us to explore your Production Inspection
Equipment requirements in more detail

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