

QUALITY INSPECTION AND MEASUREMENT SYSTEMS

Vision Engineering's inspection microscopes and measuring systems are used in a wide range of industries – where high-performance magnification or precision measurement is required. With more than 60 years of industry experience, we understand your specific applications and the challenges you face to manufacture quality products.



PROVEN FOR YOUR INDUSTRY

Key Features

Vision Engineering Systems

- Saves time
- Reduces costs
- Ergonomic for user comfort
- Increases quality
- Easy to use
- Versatile

Vision
ENGINEERING

INSPECTION SYSTEMS

Magnifiers

Vision-Luxo Bench Magnifiers

High quality industrial illuminated magnifiers.

- 3 diopter - 5 diopter
- Available with 30" or 45" perfectly balanced arms
- Powerful illumination with excellent controllable light output
- Energy efficient with the latest LED technology
- ESD and UV models available
- 4D, 6D and 10D STAYS lens options for increased magnification



Eyepiece Microscopes

SX Elite 25 / SX Elite 45 / SX Elite 45TR



Stereo binocular and trinocular microscopes

- Unique to Vision Engineering
- Magnification 4x - 200x (optional)
- Range of stand configurations
- Up to 220mm working distance
- Optional camera kit with software

SX80 / SX100

Stereo zoom microscope family.

- High quality, traditional microscopes
- Magnification 4x - 320x (optional)
- Binocular and trinocular optics
- Range of stand configurations
- Affordable, entry-level price



Portable Digital Inspection Systems

Camβ

Hand held digital magnifier.

- 4.3" color display
- 4x, 8x, 16x and 20x magnification
- Live view via HDMI output
- Securely stores up to 20,000 JPEG images
- Optics and illumination optimized for close subjects
- up to 6 hours of continuous use



Eyepiece-less Microscopes

Mantis Compact / Mantis Elite / Elite-Cam HD

High value, low investment stereo viewer.

- Up to 20x magnification
- Reduced operator fatigue and eye strain
- LED illumination
- Variety of stand options
- Optional factory-integrated HD digital camera with multi-lingual software for effortless video and image capture



Lynx EVO

High productivity stereo zoom microscope.

- 6x - 60x magnification (240x max.)
- LED lighting, substage illumination
- Multi-axis or Ergo stand
- 34° oblique and direct viewer
- HD "Smart Cam" option
- Superior ergonomics
- Image & video capture



Digital Inspection Systems

EVO Cam II

High definition digital microscope.

- Exceptional high resolution 1080p/60fps image quality
- 30:1 optical zoom range with magnification up to 300x
- Effortlessly capture and record images
- Live video streaming
- Large field of view and working distance
- Stand and monitor mount options



EVO Cam II with live imaging on monitor.

Digital 3D

DRV-Z1

The first digital stereo 3D viewer with zoom. Has all the benefits of optical stereo microscopy and digital technology.

- 3D view, capture and share
- Unique 3D without the need for special glasses
- Communication across sites for real time collaboration
- 6x-186x magnification
- Remote viewing and sharing of live 3D images



MEASUREMENT SYSTEMS

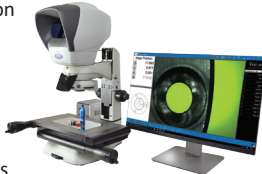
Non-Contact Measurement Systems

Optical and Video Measurement Systems

Swift PRO Elite / Swift PRO Cam / Swift PRO Duo

Ideal upgrade from an optical comparator, toolmakers microscope or an existing video measuring system.

- 10x, 20x, 50x and 100x magnification
- Optical or video measurement, **OR dual optical-video measurement**
- 2 or 3-axis measurement
- 8" x 4" measuring stage
- Easy measurement of complex parts with M3 measuring software



Optical and video measurement system Swift PRO Duo

Hawk (Manual or CNC)

2 or 3-axis optical or video measurement, OR dual optical video measurement system.

- For demanding measurement tasks
- X, Y, Z measurements
- Multiple stage sizes
- 10x - 1000x magnification
- Superior resolution
- Easy measurement of complex parts with M3 measuring software



Contact Measurement Systems

Deltron

A robust and affordable CNC CMM with a compact footprint and high levels of measurement accuracy.

- Volumetric accuracy $(2.6 + 0.4L/100) \mu\text{m}^*$
- Measuring capacity $\varnothing 370\text{mm}$ $(14.5") \times 270\text{mm}$ $(10.6")$
- Resistant to machine shop contamination
- Simple or complex shapes easily measured with intuitive measurement software
- Fast & accurate delta mechanism minimizes frame distortion



Video Measurement Systems

TVM

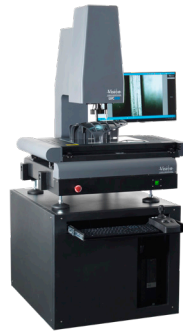
Place and measure (FOV) video measurement system.



- Rapid, high accuracy 2D measurement
- Clearly view edges on cylindrical parts
- Place and measure functionality
- 20mm or 35mm field of view
- Available with fixed or moving stage

LVC Series

Large capacity CNC video measurement system matched for measuring large components or multiple small components quickly, easily and accurately.

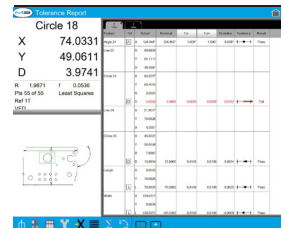


- Measuring range 400mm x 300mm x 200mm
- Motorized measuring stage and motorized zoom lens
- 6-position motorized zoom lens
- 3D touch probe option
- Easy measurement of complex parts with M3 measuring software

Measurement Software

All software measurement packages are designed for all user levels and powerful enough to give you the results you need.

- Intuitive M3 measuring software
- ViTouch3D software suitable for occasional users or full time inspection professionals
- Reports are easily created and exported in a variety of commonly needed file types



VISION ENGINEERING + OUR DIFFERENCE

Vision Engineering Ltd. has been designing and manufacturing high quality ergonomic microscopes, digital instruments, inspection and measuring systems for over 60 years.

Innovation

With a philosophy of design innovation, Vision Engineering holds world patents for a number of optical / digital techniques, significantly improving viewing ergonomics and enabling customer quality and productivity improvements.

Quality

Vision Engineering prides itself on quality products, electronics, mechanics and optics and is certified for the quality management system ISO 9001:2015. Quality is as important to us as our customers. Our systems have proved themselves many times over and are chosen by the world's best companies.

Global

Vision Engineering has manufacturing and design facilities in the UK and USA, plus sales and support offices throughout Europe, the Far East, Asia and the Americas. We support our customers with close technical and service support anywhere in the world.

Inspection Systems & Measurement Systems

Stereo Microscopes - Digital Microscopes

Bench Magnifiers - Optical & Video Measurement Systems

Portable Magnifiers - Service & Calibration

Contract Manufacturing

www.visioneng.us

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