



Quality inspection &
measurement systems

INSPECTION SYSTEMS

Increased user comfort, accuracy and productivity with reduced operator back and eye strain.

Eyepiece-less Stereo Microscopes

MANTIS PIXO

NEW!

Ergonomic Stereo Microscope

- Magnification range – 3x - 15x
- Multiple stand options
- 3 Lens multi-view turret
- High quality three-dimensional image
- With integrated digital 5MP camera and image capture software
- Reduced operator eyestrain
- Long working distance
- Dual independent LED banks with 3D dynamic lighting
- Super long working distances objectives - SLWD (Opt.)
- Pilot (floating) stage (Opt.)
- Multi lighting options (Opt.)
- Episcopic Illumination (Opt.)
- Ultraviolet Illumination (Opt.)
- Dimensioning software (Opt.)



MANTIS ERGO

NEW!

Ergonomic Stereo Microscope

- All features of PIXO without the integrated 5MP camera for image capture/sharing



MANTIS IOTA

NEW!

Ergonomic Stereo Microscope

- Magnification range – 3x - 8x
- Multiple stand options
- Single mount
- Interchangeable lenses
- Reduced operator eyestrain
- High quality three-dimensional image



Lynx EVO

High productivity stereo zoom microscope

- Magnification range – 2.7x - 240x
- Multi-axis or Ergo stand
- LED lighting, substage illumination
- 360° oblique and direct rotating viewer
- 5MP "Smart Cam" option
- Superior ergonomics
- Image & video capture (Opt.)
- EVOTIS - inspection station (Opt.)



DRV-Z1

Digital stereo 3D viewer with zoom

- Magnification range – 6x - 186x
- 3D view, capture and share
- Unique 3D without the need for special glasses
- Remote viewing and peer-to-peer sharing of live 3D video (Opt.)
- Live communication across sites between DRV's for real time collaboration (Opt.)
- Substage and diffused lighting (Opt.)



VE Cam

Compact full HD digital microscope

- 1080p resolution
- Magnification range – 6x - 50x
- 5:1 zoom ratio
- Wireless screen mirroring
- Touch screen compatible
- 10 user defined presets
- Stand and monitor mount options



Digital Inspection Systems

Makrolite 4K

Ultra high definition 4K digital microscope

- Sharp real-time 4K video without image delay
- Magnification range – 3x - 330x
- 20:1 optical zoom
- Multiple stand options
- Wide dynamic range
- Two configurations:
 - Console system
 - PC system for use with dimensioning software
- Simple documentation and image archiving



EVO Cam II

High definition digital microscope

- Exceptional high resolution 1080p/60fps image quality
- Magnification range – 1.7x - 300x (optical)
- 30:1 optical zoom
- Multiple stand options
- Capture and record images
- Large field of view and working distance
- Console remote (Opt.)
- EVOTIS - inspection station (Opt.)



MEASUREMENT SYSTEMS

All systems supplied with M-Series software - advanced functionality and comprehensive reporting capabilities.

Optical & Video Measurement Systems

Swift PRO - Elite / Cam / Duo

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

- Magnification range – 10x - 100x
- 2 or 3-axis measurement
- 200mm x 100mm measuring range
- 1 µm least count
- Optical or video measurement, OR dual optical-video measurement
- Easy measurement of complex parts with M3 measuring software



Hawk (Manual or CNC)

3-axis optical and video measurement

- Magnification range – 10x - 1000x
- 3 axis measurements
- Measurement capacity:
 - 150mm x 150mm
 - 400mm x 300mm
- 0.5 µm least count
- Dual optical and video measurement
- Superior resolution
- Easy measurement of complex parts with M3 measuring software



Video Measurement Systems

TVM (Manual or CNC)

Place and measure (FOV) video measurement system

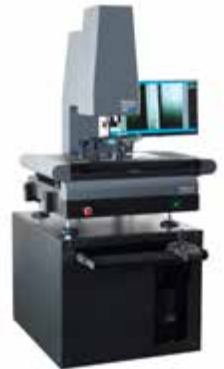
- 20mm or 35mm FOV.
- Collimated light source
- Rapid 2D measurement
- Place and measure functionality
- 1µm least count
- Easy measurement of complex parts with M3 measuring software
- 200mm x 100mm measuring stage (Opt.)
- CNC moving stage (Opt.)



LVC Series

3-axis CNC video measurement system with optional touch probe capability

- Magnification range – 55x (30x) - 370x (700x)
- 3 axis CNC measurement
- Measuring ranges up to:
 - 400mm x 300mm x 200mm
 - 200mm x 150mm x 200mm
- 5MP camera (6.4MP Opt.)
- 0.1 µm least count
- Motorised measuring stage and lens
- Easy measurement of complex parts with M3 measuring software
- 3D touch probe (Opt.)



Software

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

- **ViPlus** - image capture, enhancement and measurement with advanced focus stacking & edge detection tools
- **ViCapture** - easy to use, everyday image capture and annotation software
- **Metlogix M Series** - Advanced functionality and comprehensive reporting capabilities
- **DimensionOne** - ideal for the simple measurement of a subject's features and for adding annotations to captured images
- **DimensionTwo** - take quick, accurate measurements of simple features of a subject, with edge detection. Performs optimally with EVO Cam II



Stereo Eyepiece Microscopes

SX Elite 25 / 45 / 45TR

Stereo binocular & trinocular microscopes

- Magnification range – 4x - 200x
- Up to 220mm working distance
- Greenough design with excellent optical clarity
- Multiple stand options
- Camera kit with software (Opt.)



Bench Magnifiers

Vision LUXO Bench Magnifiers

High quality industrial illuminated magnifiers

- 3.0 dioptre - 5.0 dioptre (1.75x - 2.25x)
- Secondary lenses 4D, 6D, 10D to increase magnification from 2.75x - 4.25x
- Available with 1000mm or 1050mm perfectly balanced arms
- Powerful illumination with excellent controllable light output
- ESD and UV models available
- BenchKam magnifier camera (Opt.)



VISION ENGINEERING + OUR DIFFERENCE



Vision Engineering designs and manufactures unique ergonomic stereo microscopes, digital inspection systems, and non-contact and CMM measurement solutions. We offer patented technology to enhance productivity and comfort at work.

Established in 1958, our products are renowned the world over for their innovation, quality and ease of use.

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