

Stereo Microscopes | Digital Microscopes | Inspection Systems

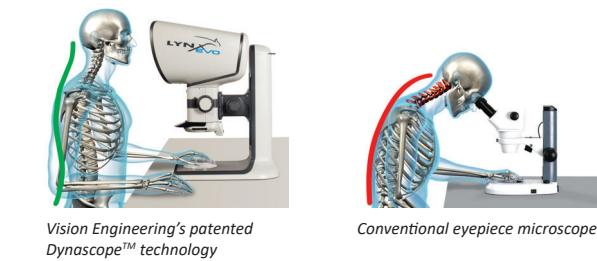
All Vision Engineering stereo and digital microscopes and inspection systems offer a 3D image that gives the user an excellent depth perception. They are used in manufacturing, electronics, precision engineering, plastics, medical device and life science laboratories around the world.

Non-contact Measurement systems | Optical - Digital - CNC - Tactile

Vision Engineering is a leading designer and manufacturer of non-contact measurement equipment. From easy to use and cost-effective 2-axis measurement microscopes, fully automatic 3-axis CNC measurement platforms with video edge detection (VED) to tactile measurement, all with powerful advanced report capabilities. Vision Engineering systems are used for measurements on components and a wide variety of production applications including quality control.



Vision Engineering's reputation is built on innovative design, advanced optical technology and ergonomically superior products. The product range incorporates a range of exit pupil expansion technology patents. Expanding the exit pupil results in the maximum axial and radial head freedom, which is vital for viewing tasks that take a long time or require repeated and precise checks. The combination of microscope resolution, image quality and patented exit pupil expansion result in unrivalled levels of ergonomics, sustaining operator accuracy, speed and efficiency.



For more information...

Vision Engineering has a network of offices and technical distributors around the world. For more information, please contact your nearest Vision Engineering branch, local authorised distributor or visit our website.

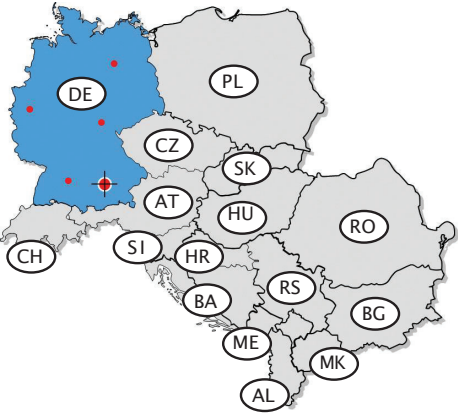
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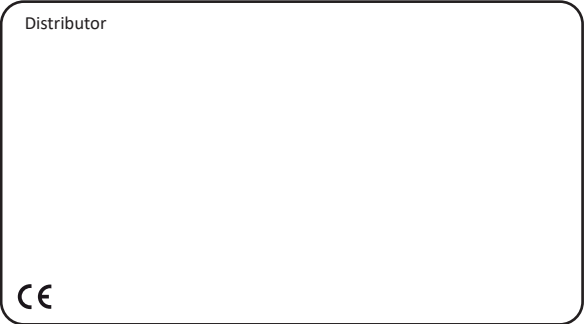
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World Leader of ergonomic eyepiece-less microscopes since 1958



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Visit Our Website:

[www.visioneng.com](http://www.visioneng.com)



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

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



Want to find out more about Vision Engineering?



Vision Engineering Ltd. has been certified for the quality management system ISO 9001:2015.

Eyepieceless Stereo Microscopes

Mantis Compact

Stereo viewer

- Magnification range 2x - 8x
- Reduced operator eyestrain
- Universal or bench stand
- Incomparably three dimensional viewing



Mantis Elite / Elite-Cam HD

Stereo viewer (HD camera optional)

- Magnification range 2x - 20x
- Reduced operator eyestrain
- Universal or bench stand
- Quick change lens systems
- Optional with integrated digital camera (**Mantis Elite-Cam HD**), and image capture & dimensioning software.



Lynx EVO

Stereo zoom microscope

- 6x - 60x magnification (240x max.)
- Eyepiece-less optics
- LED lighting, substage illumination
- Multi-axis or Ergo stand
- 34° Oblique and direct viewer
- Image archiving software
- Full HD Smart Cam option



Bench Magnifiers

Wave / Circus / LFM G2 / KFM

LED/ESD/UV Bench magnifier for industrial applications

- Magnification: 3.5 and 5 dioptr
- Self-balancing, flexible arms
- Newest LED technology
- ESD and UV variants



## Digital Microscopes

### Camβ (CamBeta) ..... ☐

Handheld digital magnifier for a simple portable inspection

- Magnification stepwise from 4x - 20x
- Internal image memory (20,000 images)
- Image transfer via USB
- Adjustable measuring lines or 1mm grid



### VE Cam ..... ☐

Digital Full-HD microscope (1080p)

- Compact footprint
- Magnification up to 50x
- Integrated controllable 8-point ring light
- Programmable presets
- Easy image capture on USB stick
- Touch screen configuration
- Wi-Fi screen sharing

Full HD  
1080



### EVO Cam II ..... ☐

Full HD (1080p) digital microscope

- Stunning full HD (1080p/60fps) image quality
- Magnification up to 300x with 30:1 zoom
- Large field of view and working distance
- Effortlessly capture and record images
- Image storage direct to USB stick
- Optional docu/measurement software
- Focus stacking, image comparison

Full HD  
1080



### Makrolite 4K ..... ☐

4K Ultra HD digital microscope

- Superior clarity of 4K image resolution
- Magnification up to 330x
- 20:1 optical zoom
- Stand alone or PC based systems
- Stand options for all applications
- Ultimate control and flexibility
- Straightforward documentation and image archiving/on-screen measurement

4K  
ULTRA HD



## 3D - Digital Inspection

### DRV-Z1 - Digital Stereo 3D Imaging ..... ☐

Digital stereo 3D viewer with zoom

- Magnification range 6x - 93x
- Digital stereo 3D with vivid depth perception
- Remote viewing of stereo 3D images in real-time
- Extra large field of view (display detail)
- Natural hand-eye coordination
- Maximum comfort in 3D viewing and manipulation



### DRV Stereo Cam ..... ☐

3D digital stereo microscope

- Zoom-magnification: 8,4x - 700x
- Digital 3D images in impressive quality
- Share stereo 3D images in real time
- Extra large field of view thanks to DRV head
- Exceptional ergonomic work



### DRV N-Serie - Kombi DRV + Nikon SMZ ..... ☐

Digital stereo microscope system with motorized zoom

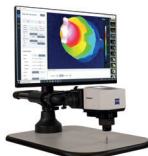
- System magnification up to 800x
- Largest optical zoom ratio in the stereo microscopy (Zoom factor 25:1)
- Remote viewing of stereo 3D images
- Extra large field of view (display detail)
- Motorized focus and zoom controls
- Variety of software options for reporting/analysis/documentation



### DeepFocus 1 ..... ☐

Extended depth of field digital microscope

- DeepFocus 1 is based on the Zeiss Visioner1 and MALS™ technology
- Real-time clear images in a single view
- Integrated coaxial LED episcopic (EPI) illumination
- 100x more depth to be in focus in a single view
- 'Height-map' mode or topographic view
- Fast reporting and a wide range of software options

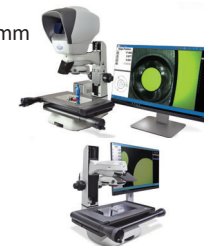


## Measurement Systems/Microscopes

### Swift PRO - Duo / Cam / Elite ..... ☐

'Shop Floor' measuring microscope / dual optical-video option

- Measuring stage 150 x 100 mm / 200 x 100 mm
- Magnification x10, x20\*, x50, x100
- Optical 2-axis and 3-axis measurement or
- Optical and / or video measurement
- Workshop microprocessor (Mx200) or measurement software



### Hawk - manual or VED ..... ☐

Manual measuring microscope / with PC software or PC based optical/video measuring platform

- Measuring stage up to 400 x 300 mm
- Magnification range x20\* - x1000
- 3-axis optical measurement
- Various types of report functions
- High repeatability
- CAD importation facility
- For demanding measurement tasks

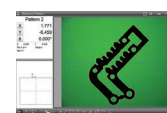


### TVM - Digital Measurement Projector ..... ☐

Geometric measurement almost in real-time

- Rapid, accuracy 2D measurement within the FOV
- Place the part and press functionality
- No need for sample positioning
- Reduced measurement time
- Exceptional ease of use
- Motorised measurement table

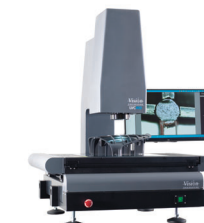
CNC control  
system available



### LVC200/400 - CNC Video Measurement System ..... ☐

Large capacity 3-axis video measurement

- Measuring range 400mm x 300mm x200mm
- 6-position motorised zoom lens
- 3D touch probe option (tactile)
- High resolution video image with 5MP USB3.0 camera
- Intuitive M3 PC measurement software



## Measurement Systems/Microscopes

### Deltron - Coordinate Measuring Machine ..... ☐

Robust and repeatable shop floor CMM

- Measuring volume up to 520 x 300mm (Dia./Z)
- Fully automatic 3-axis CNC control
- Standalone or integrated
- Intuitive and powerful software
- Modern delta mechanism
- High accuracy even with strong temperature fluctuations in production



## Binocular Stereo Microscopes

### SX25 Elite, SX45 Elite, SX80/100 ..... ☐

Stereo zoom microscope family

- Education, Routine, Science
- Magnification 4x - 320x (optional)
- Binocular/Trinocular optics
- Range of stand configurations
- LED, Zoom indexing, etc.



### TIM5 - Material/Metallurgie ..... ☐

Routine microscope for laboratory and QS

- Brightfield objectives 5x, 10x, 20x, 50x, 100x
- Trinocular optics, wide field eyepieces 10x/22
- Integrated 24V100W halogen illumination
- BF/DF - Brightfield/darkfield illumination



\* Magnification x20 as standard - other options available.