

DX55 Metallurgical Microscope

The ideal incident light microscope for routine applications, including materials analysis, metal processing and building materials.



The DX55 provides the perfect solution for the exacting demands of the busy materials laboratory, offering superb optical performance and versatility.

Materials research, development and analysis, together with quality control, are placing new demands on metallurgical microscopes. Vision Engineering's DX55 is ideal for applications in materials analysis, metal processing, building materials, glass and plastic industries, and also for use in research institutes.

- Innovative design for maximum stability
- Exceptional ergonomics for long periods of use
- Superb resolution and image contrast
- Patented Expanded-Pupil technology

Vision Engineering recognise the importance of image recording. Not only is the DX55 compatible with consumer digital cameras, but for more demanding requirements, a range of higher specification digital cameras is also available.



DX55, with ISIS eyepieces and image recording facility.

Features and Benefits

- Provides essential contrasting techniques in reflected light for a wide range of routine applications.
- Specimens can be examined in incident light brightfield, darkfield and polarized light.

Illumination

- The Köhler illumination, with a 12 volt 50W Halogen lamp, offers optimum illumination for observation and documentation techniques.

Ergonomics

- Vision Engineering's patented ISIS Expanded-Pupil eyepieces optimise operator performance by increasing eye-relief and freedom of head movement. An exit pupil of 38mm allows for prescription spectacles and safety glasses to be worn. The ISIS eyepieces have a dioptre adjustment and accept measuring graticules.



Microscope body	
Focus	Coaxial bilateral coarse and fine adjustment with adjustable limit stop Torque adjustment for coarse focus control
Illuminator	Built in Köhler illumination for epi illuminator (brightfield/darkfield) 12 volt 50W Halogen bulb (centrable) Built in variable transformer
Nosepiece	Quintuple nosepiece
Optical system	Infinity optical system

Observation tube	
Interpupillary adjustment	55 to 75mm
Inclination	30° Compensation free trinocular head

Mechanical stage	
Stage dimensions	185 x 142mm
Controls	Low positioned coaxial controls
X & Y movement	75 x 55mm

Polarising system	
Built in polariser and analyser	

Objectives	
Infinity plan achromat x4/N.A. 0.1 (brightfield)	
Infinity plan achromat x10/N.A. 0.25 (brightfield/darkfield)	
Infinity plan achromat x20/N.A. 0.40 (brightfield/darkfield)	
Infinity plan achromat x40/N.A. 0.65 (brightfield)	
Infinity plan achromat x80/N.A. 0.90 (brightfield)	

Eyepieces	
Widefield high eyepoint x10/F.N 20	



Vision Engineering manufactures a comprehensive range of ergonomic stand-alone mono and stereo microscopes as well as a complete line of non-contact measuring systems.

For more information...

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

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