

# DX51 Metallurgical Microscope

Designed for routine applications and training purposes in industry and science.



The DX51 is the ideal instrument to meet the exacting demands in industry and education microscopy. Its unique design offers high stability, excellent optical performance and reliability.

- Compact stable design
- Infinity optical system
- Image recording facilities
- Ease of use

The DX51 is perfectly suited to quality control, materials inspection and sample preparation, offering high performance with reliability.

## Features and Benefits

- Optics offer superb contrast and excellent resolution.
- Brightfield and polarized light illumination techniques.

## Ergonomics

- Conveniently situated focusing and stage controls promote fatigue free operation.
- Low positioned illumination controls for ease and efficiency.
- Operator adjustable coarse focus.

## Illumination

- Köhler illumination, with continuously adjustable 20W Halogen lamp, offers optimum illumination for observation and documentation techniques.

## Versatility

- Versatility combined with an exceptional design and stability.
- Efficiency packed into a compact size.
- Powerful performance and easy operation.



DX51, compact and powerful.



The pre-focus prevents objectives colliding with the specimen.

| Microscope body |  |
|-----------------|--|
| Focus           | Coaxial bilateral coarse and fine adjustment with adjustable limit stop<br>Torque adjustment for coarse focus control                    |
| Illuminator     | Built in Köhler illumination for epi illuminator (brightfield)<br>6 volt 20W Halogen bulb (pre-centred)<br>Built in variable transformer |
| Nosepiece       | Quadruple nosepiece  |
| Optical system  | Infinity optical system  |

| Observation tube          |   |
|---------------------------|---|
| Interpupillary adjustment | 55 to 75mm                              |
| Inclination               | 30°<br>Compensation free binocular head |

| Mechanical Stage |                                 |
|------------------|---------------------------------|
| Stage dimensions | 150 x 140mm                     |
| Controls         | Low positioned coaxial controls |
| X & Y movement   | 75 x 50mm                       |

| Objectives   |  |
|--|--|
| Infinity plan achromat x4/N.A. 0.1 (brightfield)   |  |
| Infinity plan achromat x10/N.A. 0.25 (brightfield) |  |
| Infinity plan achromat x40/N.A. 0.60 (brightfield) |  |

| Eyepieces                          |  |
|------------------------------------|--|
| Widefield high eyepoint x10/F.N 18 |  |



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...

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