

MICROFABRICATION

Optical Microscope

Microscope: Leica DM8000 M

Camera: Leica DMC4500



General Description:

The Leica DM8000 M is a multi-purpose R&D microscope for flexible sample investigation, visualization and documentation. An outstanding feature is that three different imaging modes (bright-field, dark-field and DIC) are integrated in one instrument, allowing a comprehensive characterization of a wide range of samples. Furthermore, the microscope features a tilted illumination mode. The instrument is located in a cleanroom environment (C5) and is equipped for wafer-level characterization up to 8 inch.

Key Specifications:

- Objectives (5x, 10x, 20x, 50x, 100x)
- Special Macro Objective (0.7x)
- Transmission and reflection measurements possible
- Imaging Modes: Bright-field, dark-field, differential interference contrast (only reflection), tilted illumination
- Manual stage with three inserts (glass, metal and a rotatable wafer holder)
- Glass yellow filter 480 nm for reduction of the UV portion in the illumination
- Camera: 2/3" CCD sensor with 5MP resolution
- Camera software: Leica LAS X Software with stitching option and LAS Live Z Builder module

Availability	Use allowed for all researchers with permission
Location	Cleanroom C5 Europastraße 12 9524 Villach
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