



## **Metallurgical Microscope LD-LMM-C10**

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# Metallurgical Microscope LD-LMM-C10

## Overview

Metallurgical Microscope LMM-C10 is specifically designed for industrial purpose. Features superior quality Infinity M Plan APO HL objective (visible) with long working distance, double layer stage, trinocular head, rotatable analyzer, filters namely blue and green, quintuple nosepiece etc. which makes it highly efficient and reliable. It has wide applications in metal industry, mineral industry and electrical industry.

## Features:

- Infinity Optical system
- Adopts M Plan APO HL objective (visible)
- M Plan APO HL objective (NIR and NUV) is optional
- Long working distance objective
- Quintuple nosepiece
- Green, blue, neutral filter
- Movable polarizer and analyser
- Positive and Negative imaging is customisable
- Options like automatic focusing, motorised stage and auto nosepiece are available
- Software can also be provided

## Applications:

It is used to inspect semiconductor chips, integrated circuits, structures of metals and alloys etc.

## Specifications:

|                     |                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------|
| <b>Stage</b>        | Double layers stage 230×280 mm<br/>moving range: 150×150 mm                                 |
| <b>Filter</b>       | Green, Blue, Neutral                                                                        |
| <b>Weight</b>       | 39.1 kg                                                                                     |
| <b>Eyepiece</b>     | WF10X/25 mm                                                                                 |
| <b>Focusing</b>     | Coaxial coarse and fine with rack and pinion, coarse range 40 mm, fine scale value 0.002 mm |
| <b>Optional</b>     | Material Plus Software                                                                      |
| <b>Dimension</b>    | 540×580×530 mm                                                                              |
| <b>Nosepiece</b>    | Quintuple, objective screw M26×0.706                                                        |
| <b>Polarizing</b>   | Analyzer rotatable 360°<br/> polarizer and analyzer can be moved out/in                     |
| <b>Illumination</b> | Reflected halogen 12 V 50 W, Adjustable,                                                    |

|                       |                                                                         |
|-----------------------|-------------------------------------------------------------------------|
|                       | with aperture and field iris diaphragm                                  |
| <b>Viewing Head</b>   | Siedentopf trinocular head, inclined at 30°,<br>Interpupillary 55-75 mm |
| <b>Optical System</b> | Infinity Optical System F= 200 mm                                       |