Objective Lenses for Material Science

This is a series of objective lenses designed for metallurgical microscopes. The user can choose any of the lenses according to the observation method or application specific to chromatic aberration, flatness, etc.

1) MPLAPON
This is a Plan Apochromat objective lens series for bright field observation with chromatic aberration corrected at the highest level. This series guarantees optical performance (Wavefront Aberration Correction) at a Strehl ratio of 95% or more and is also compatible with the AF unit (Olympus U-AFA2M).

Plan Apochromat

2) MPLN
This is a Plan Achromat objective lens series that has attained excellent flatness up to a field number of 22.

Plan Achromat

3) MPLN-BD
This is a Plan Achromat objective lens series for bright field and dark field observations that has attained excellent flatness up to a field number of 22.

Brightfield/Darkfield Plan Achromat

4) MPLFLN

This is a universal objective lens series of a semi-apochromat design with chromatic aberration corrected at a high level. This series provides excellent performance not only in bright field, but also in fluorescence, differential interference contrast, and simple polarized observations.

Plan Semi-Apochromat

5) MPLFLN-BD

This is a universal bright field/dark field objective lens series of a semi-apochromat design with chromatic aberration corrected at a high level. This series provides excellent performance not only in bright field and dark field, but also in fluorescence, differential interference contrast, and simple polarized observations.

Brightfield/Darkfield Plan Semi-Apochromat

6) MPLFLN-BDP

This is a universal objective lens series that provides high optical performance particularly in polarized, differential interference contrast observations.

Reflected/Polarized Plan Semi-Apochromat

7) LMPLFLN

This is a Long Working Distance Plan Semi-Apochromat objective lens series with chromatic aberration corrected at a high level. A long working distance to a specimen in this series is effective for preventing the lens from interfering with a step or protrusion on the specimen.

Long WD Plan Semi-Apochromat

8) LMPLFLN-BD

This is a Long Working Distance Plan Semi-Apochromat objective lens series for brightfield/darkfield observation with chromatic aberration corrected at a high level. A long working distance to a specimen in this series is effective for preventing the lens from interfering with a step or protrusion on the specimen.

Brightfield/Darkfield Long WD Plan Semi-Apochromat

9) SLMPLN

This series Plan Achromat objective lens with a super long working distance reduces the risk of causing damage to specimens due to interference. This series offers high-contrast observation images with no color blur, enabling the user to observe even the width of a fine line.

Super Long WD Plan Achromat

10) LCPLFLN-LCD

This is an objective lens series optimal for observing specimens through glass substrates such as LCD panels. The adoption of optical correction rings allows aberration correction according to glass thickness.

Long WD Plan Semi-Apochromat

11) LMPLN-IR/LCPLN-IR

This is a Plan Achromat objective lens series with optical aberration corrected from visible light to near-infrared region. LCPLN-IR series has correction collar for aberration dependent on thickness of silicon or glass substrate.

IR Long WD M Plan Achromat/IR M Plan Achromat