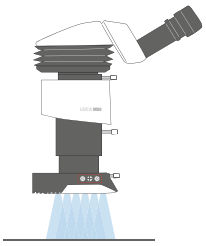
From Eye to Insight

Leica MICROSYSTEMS

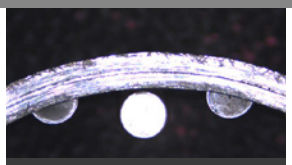
ILLUMINATION OPTIONS

Complete your stereo microscope with the right illumination for your needs



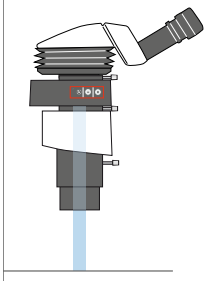
Ring light illumination (RL)

Work with a bright and uniform illumination over a large object field. For glare reduction, additional diffusors and polarizers sets can be utilized to reduce unwanted shiny spots.



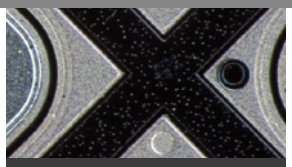
Metal gear with RL

Metal gear with RL & diffusor

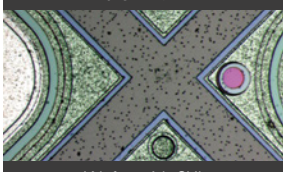


Coaxial illumination (CXI)

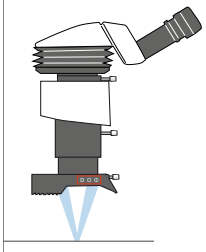
Inspect fine cracks and surfaces of smooth and reflective samples. The light is guided through the optics and reflected from the sample for superb lighting.



Wafer with RL

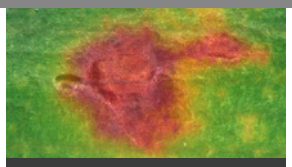


Wafer with CXI

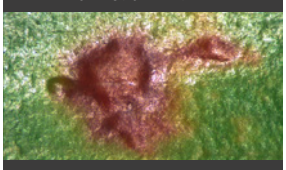


Near vertical illumination (NVI)

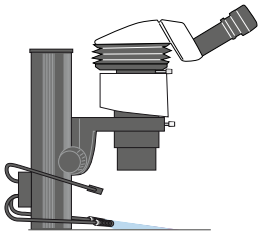
Work with shadow free lighting for samples with recesses or deep holes.



Palm strain with RL

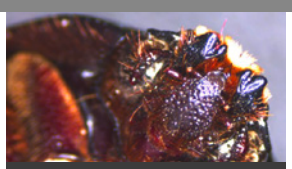


Palm strain with NVI

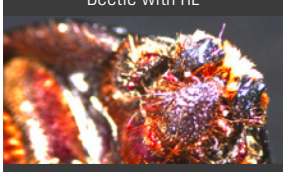


Spotlight illumination (SLI)

Work with high contrast lighting. The flexible goosenecks allow you to direct the light suitably for many types of samples.



Beetle with RL



Beetle with SLI

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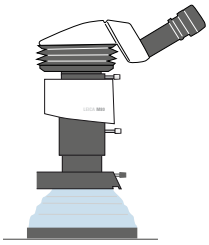
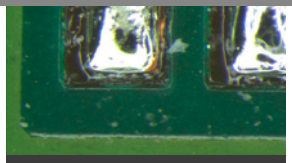
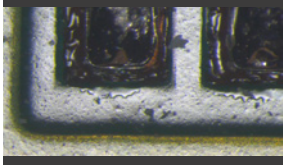


Diffuse and highly diffuse illumination (DI and HDI)

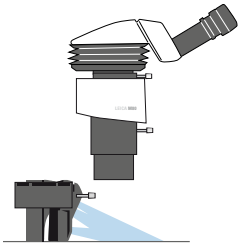
Overcome the difficulties of backlight reflections from curved, non-flat, or reflective samples.



PCB with RL

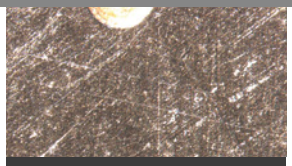


PCB with DI

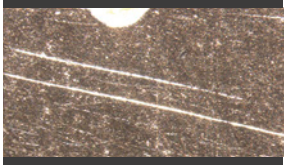


Multi-contrast illumination (MCI)

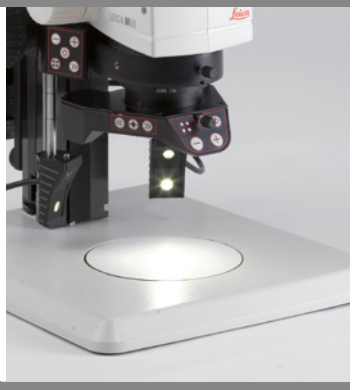
Use repeatable contrast with lighting from two different directions and angles to see hard-to-image details.

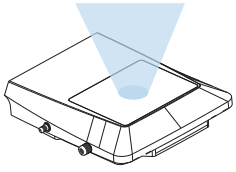


Watchwork with RL



Watchwork with MCI



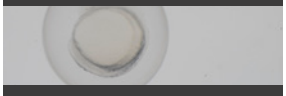


Transmitted light base TL3000 Ergo

Cycle through different contrast options with just a single knob rotation.

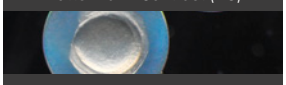
- > See original colors with BF illumination
- > Investigate internal structures with RC
- > Explore smallest details with DF illumination

Zebrafish larva* with:



Brightfield illumination (BF)

Rottermann Contrast (RC)



Darkfield illumination (DF)

*Zebrafish development, 10 somites stage. Follow semantic segmentation in high detail. Sample courtesy: Vermot Laboratory, IGBMC, Strasbourg, France.

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