

*Metallurgical*  
**MICROSCOPE**  
For Cleanliness Pro

**MX-53**

PARTICLE ANALYSIS  
EXPERT SYSTEM



Measure particle length, breadth, and height. Especially for pneumatic hydraulic systems, the third dimension is highly important. The motorized microscope features reduce user influence to a minimum.

## SYSTEM FEATURES

- ❖ High optical performance by using objectives with high numerical aperture for the analysis
- ❖ ISO conformed detection of particles down to 5  $\mu\text{m}$
- ❖ Height evaluation of particles estimates overall risk potential
- ❖ Reproducible illumination, contrast, and camera settings for comparable measurements
- ❖ Automatic storage of all relevant system and analysis parameters
- ❖ For each configuration Minimal user interaction is required.
- ❖ Automatic differentiation between reflective (metallic) and non-reflective(plastic) particles
- ❖ Due to the intelligent store and recall functions, it can also be used for other Microscopic applications such as Metallography
- ❖ Sustainable system with high magnification and low calibration values for future requirements of minimum particle size

