

Leica 3D System for Microscopy

Applications

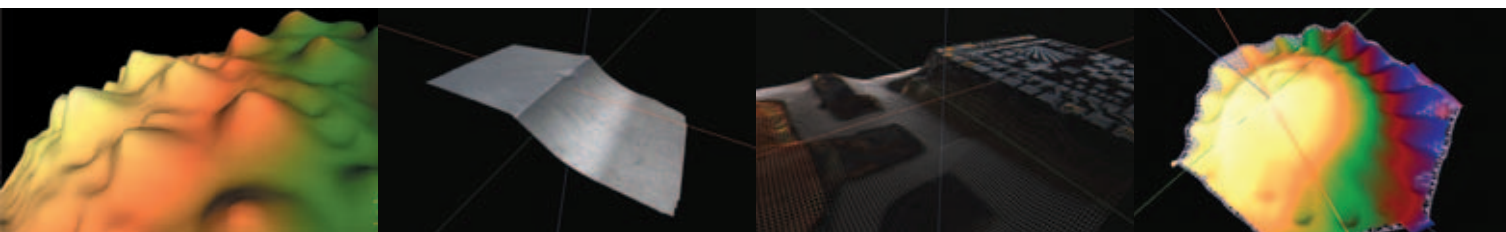
Leica
MICROSYSTEMS

Applications in research, criminology, development, industrial quality control and education

For visualizing and analyzing specimen surfaces with an accuracy that, until recently, was nearly unthinkable, the innovative Leica 3D system for microscopy now makes the process easier, more effective and more precise. This one-of-a-kind system is especially interesting in applications where the representation of spatial depth means having more information of greater value.

Industry:

- Electronics, medical technology, the machinery, electrical and metal industry (MEM), materials science, analysis of defects, high-end quality assurance such as bonding, positioning of microcomponents, quantification and visualization of aging or wear, systematic inspection and topometry of smooth to very rough surfaces.



Research:

- Entomology, geology, biology, archaeology.

Criminology:

- Trace identification, ballistics.

Schools, vocational schools, colleges and universities:

- Biology instruction, demonstration and training in specimen mounting and preparation.

Training in microscopy techniques:

- Intracytoplasmatic sperm injection, in vitro fertilization.

Documentation:

- Recording procedures, processes and repetitive tasks under the stereomicroscope.

Characterizing surfaces:

- Profile, roughness, surface and volume analysis of structured surfaces, such as organic layer composition in polymer electronics, structures of components.

Inspections from a distance:

- In clean rooms, contaminated or inaccessible rooms, museums.

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