

Optem® FUSION

Automated High-Throughput Microscopy
Digital | Versatile | Adaptable | Modular

High Power LED

- High intensity 1.5A and 3.0A versions
- Continuous or strobed mode
- Adjustable optics for uniform illumination

System Controller

- Dual-axis Motor Control
- Dual illumination and ring light control
- Intuitive GUI and feature-rich SDK



Applications

- Semiconductor
- Quality control
- Metrology
- Automated Optical Inspection
- High precision manufacturing
- Bio-Imaging

Motorized Zoom Module

- 7:1 or 12.5:1 optical zoom
- Precision motorized zoom
- Visible or SWIR

Motorized Focus Module

- 10 mm travel range
- Rapid, repeatable, pinpoint focus

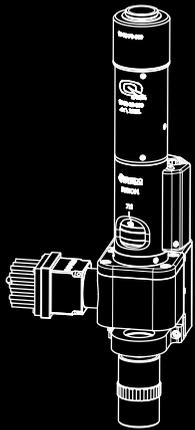
MachVis Selector
Software



Streamline Workflow... Reduce Time-to-Market

EXCELITAS
TECHNOLOGIES®

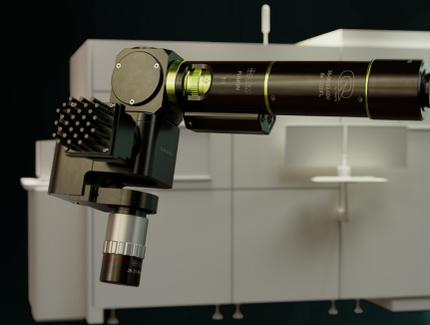
Integration flow



Modelling



Benchtop Prototyping



System Integration

Optem® FUSION Micro-Imaging System

Optem® FUSION Micro-Imaging Lens System is the next generation of precision micro-imaging lens system. A modular design and infinity corrected optics afford maximum versatility in machine vision, automated optical inspection and non-contact metrology. With the NEW addition of shortwave infrared (SWIR) compatible components, Optem® FUSION now provides true polychromatic imaging performance across the key visible (400-700 nm), NIR (700-1100 nm) and SWIR (900-1700 nm) wavebands.

- High-magnification image quality
- Excellent zoom precision and repeatability
- Highest quality components
- Maximum stability of the whole lens assembly



**MachVis Selector
Software**

