Keyence Corporation:
VHX Digital Microscope and Elemental Analysis

NCMS Technology Showcase
FRC East

PROBLEM STATEMENT

The VHX helps users in several different areas from Quality, R&D, Failure Analysis, Metallurgy, Cleanliness, and Elemental Analysis Capabilities.

BENEFITS

- Magnification range of 0.1x - 6000x.
- 20 times greater Depth Of Field than conventional microscopes
- 2D & 3D measurement capabilities
- Live Depth-Up Z-Scan
- Surface Profiles
- Area measurements
- Particle counting
- ISO 16232 Cleanliness
- ASTM Grain Analysis
- Glare removal
- High Speed image stitching
- Motorized XYZ
- Ring, Coaxial, and Transmitted light options
- Polarized light / DIC / Nomarski options

TECHNOLOGY SOLUTION

We have quick user friendly system that allows the user to get repeatable measurements, share that information with whoever that needs it, and being able to take a fully focused image from any direction.

GRAPHIC