# Keyence Corporation:
# VR-6000 Optical Profilometer

NCMS Technology Showcase
FRC East

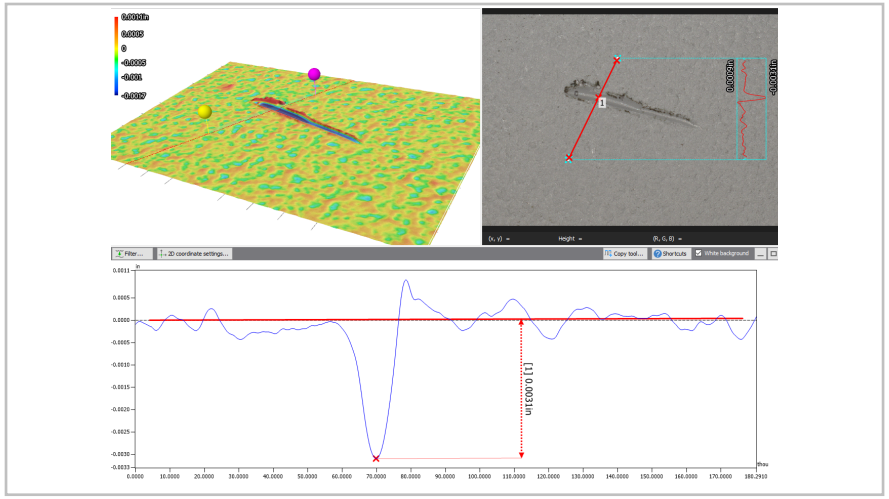
## PROBLEM STATEMENT

The goal of the VR-6000 is for 3D measurement of surfaces and samples that can not be measured by traditional metrology tools

## BENEFITS

- Measure entire surfaces in a few seconds
- 0.1 µm Resolution
- Precise surface inspection in areas traditional contact systems can not reach (sealing grooves, tight radii etc.)
- No fixturing or programming required, any operator can use

## TECHNOLOGY SOLUTION

- Non-Contact Surface analysis of corrosion, wear, and roughness
- Scratch and defect depth measurement on surfaces
- Flatness and 3D cross sectional measurements

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