Benefits and Uses of HD 3D Modelling

A4A NDT Forum

Charles Janecka

Long Beach, CA

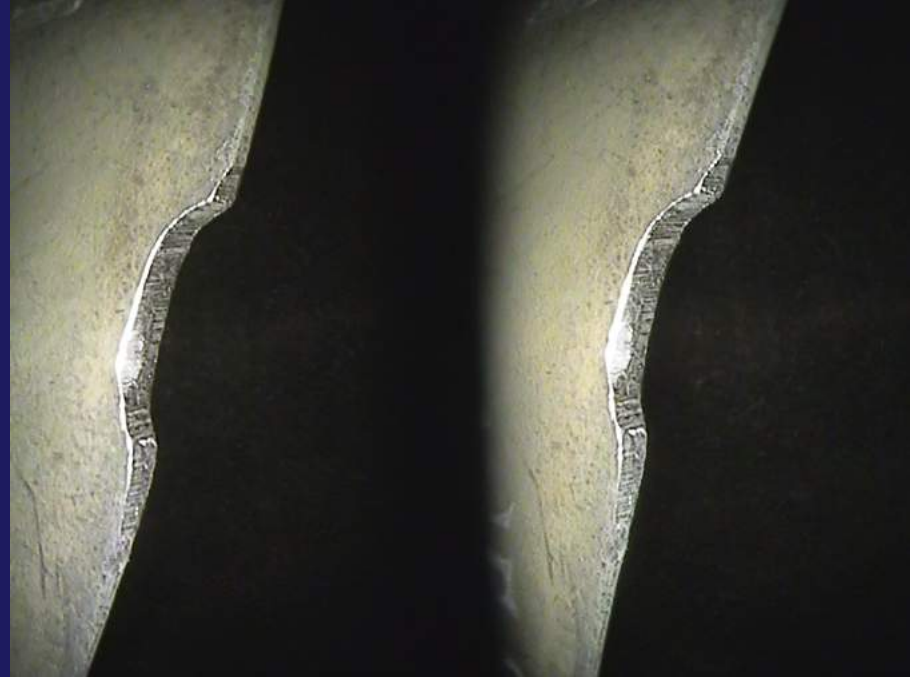**OLYMPUS**

Agenda

1. Measuring with confidence

2. HD/Wide Stereo Measurement

3. Feature overview

4. Basic Purpose of 3D Modelling

OLYMPUS

More Easily Understand Where the Point is

1. Not always easy to know the real shape of the target

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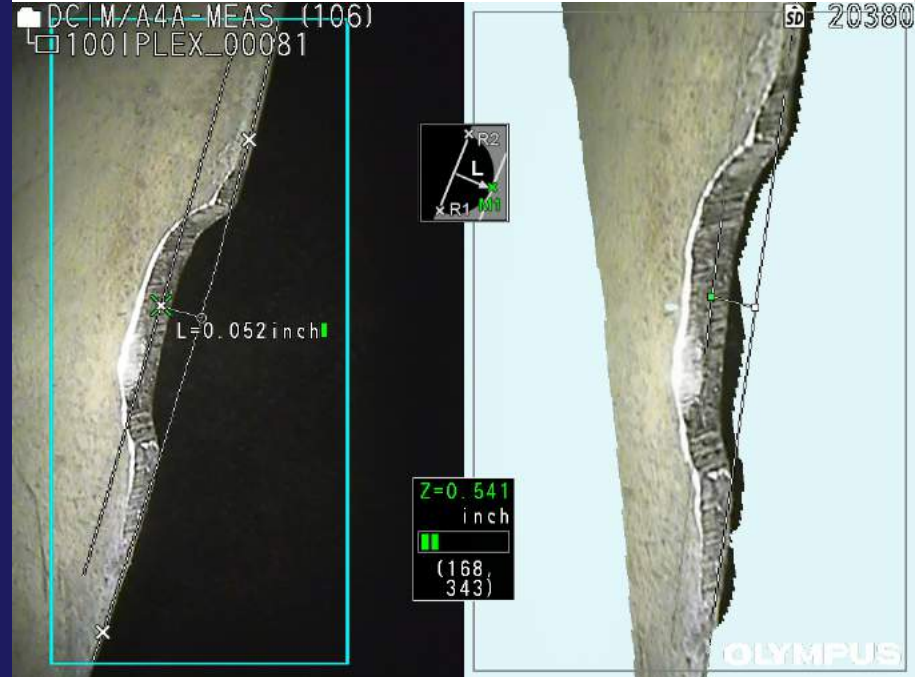2. We go to the 3D Model

OLYMPUS

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3. Rotate to see the shape of the blend

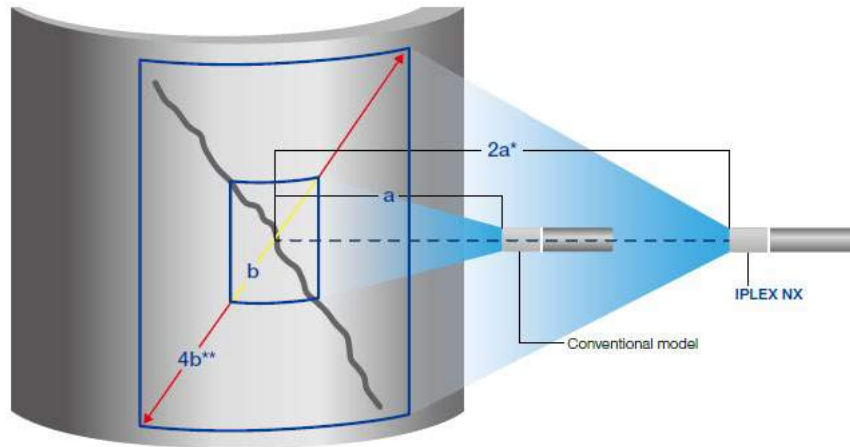OLYMPUS

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HD/Wide Stereo Measurement

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1. High Resolution Measurement
    i. One to One Matching
    ii. Higher Accuracy
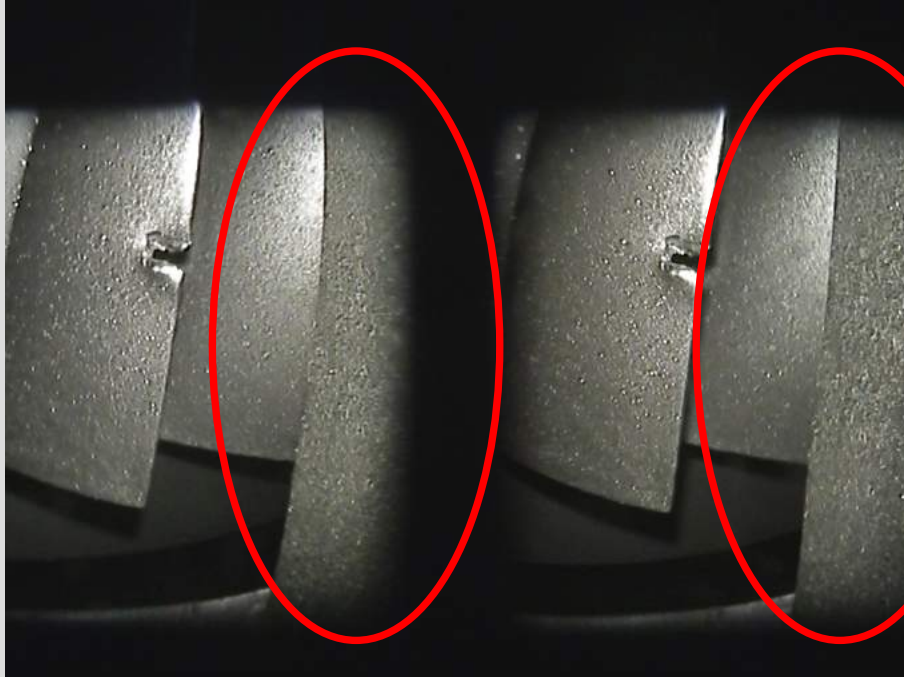   iii. Measure From Farther Away

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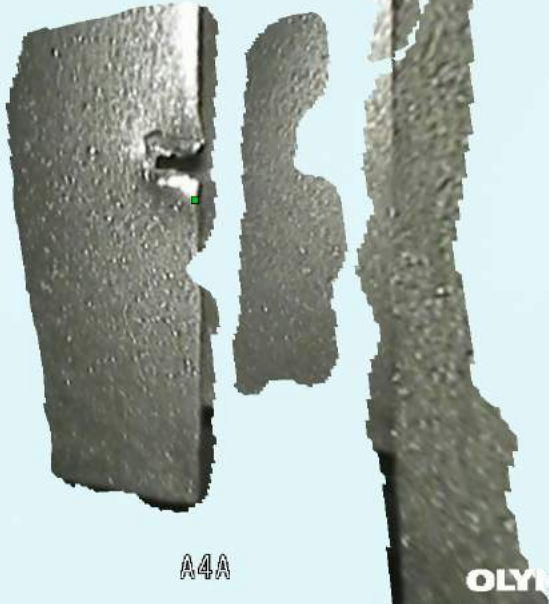2. You may have unwanted blades or stators in your FOV

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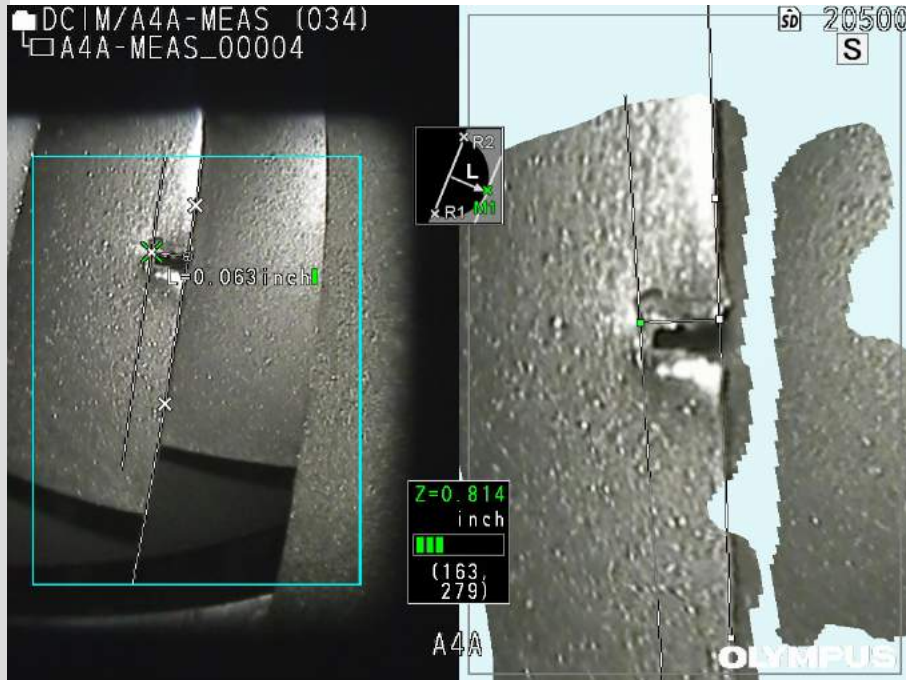
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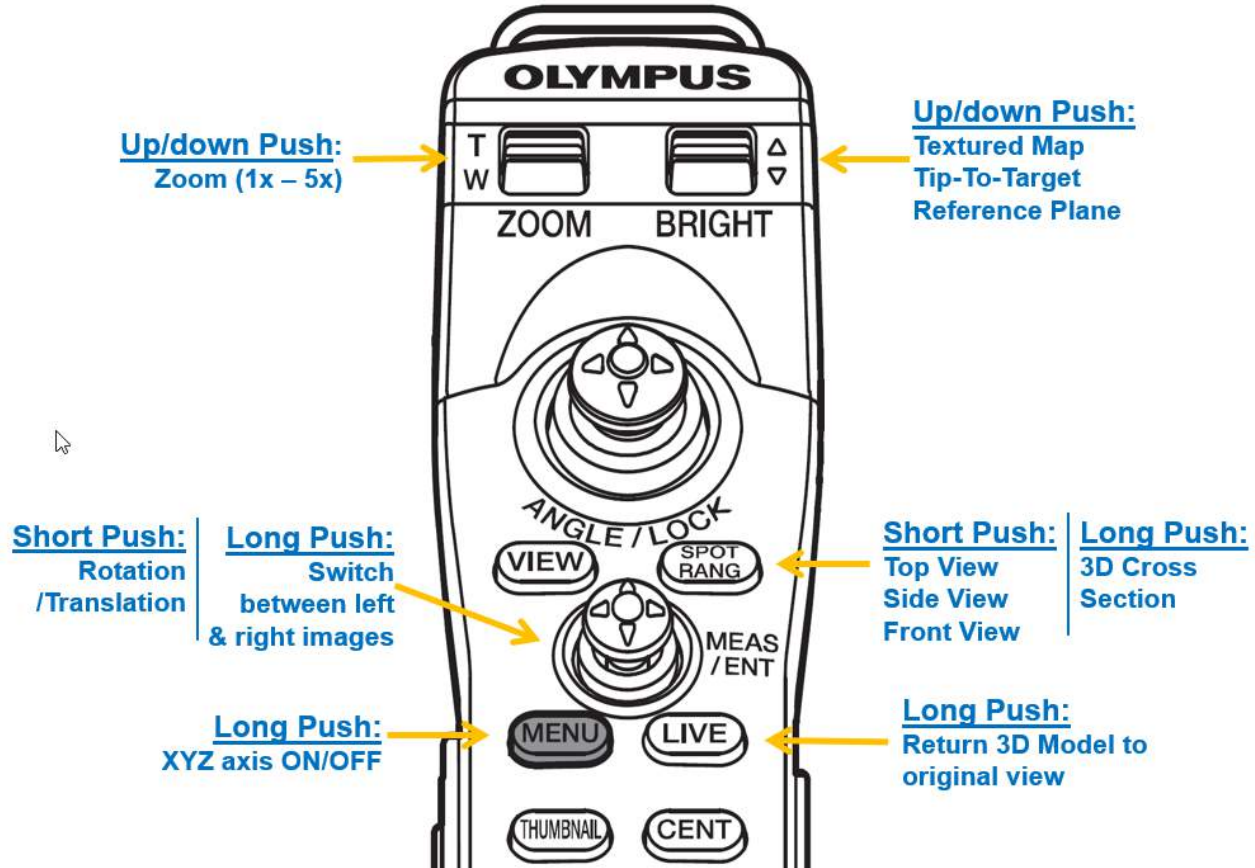
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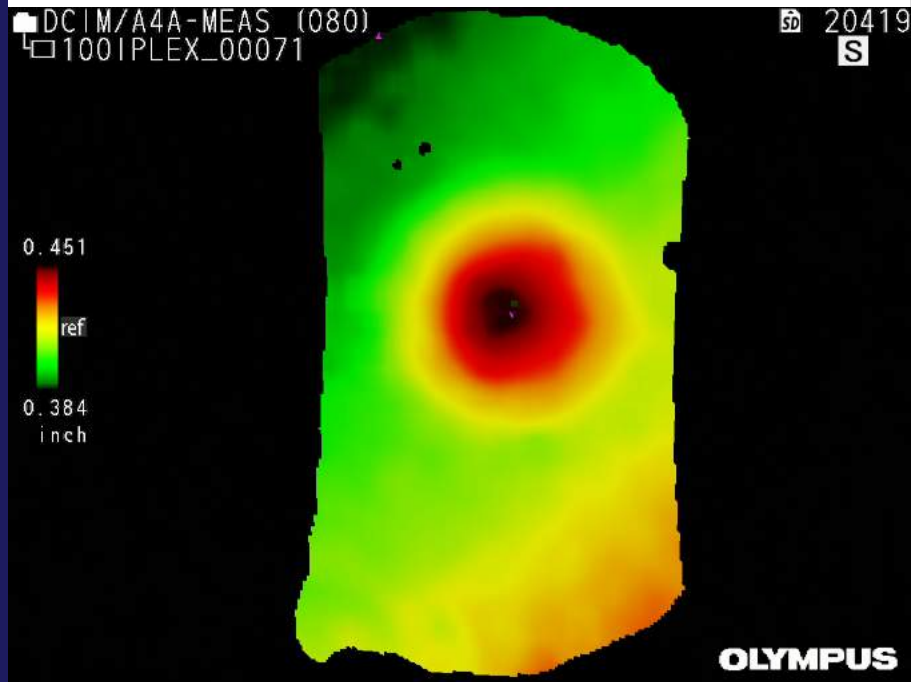# Feature Overview

Feature Overview

Heat Map

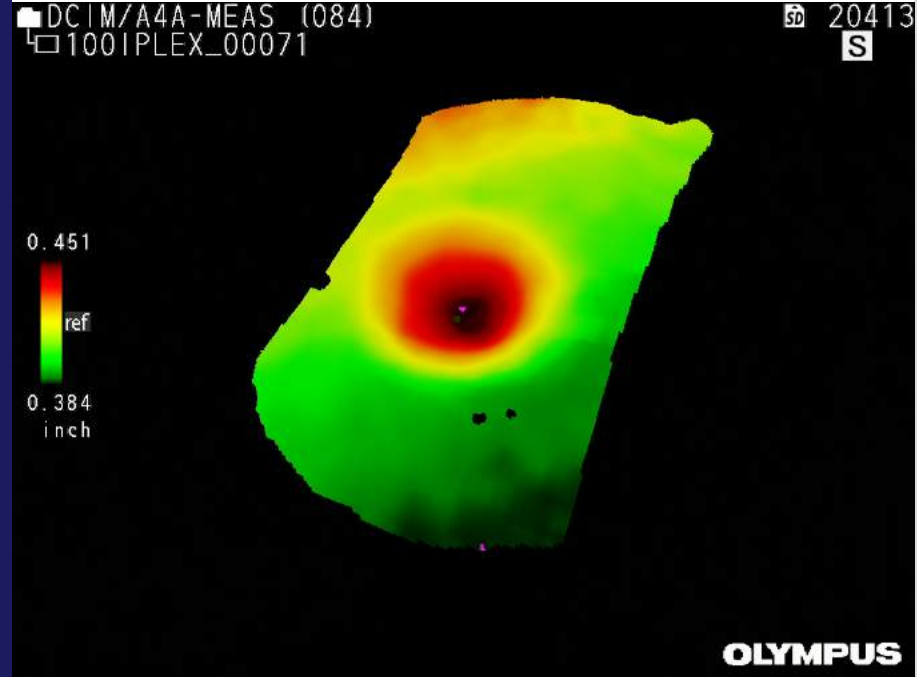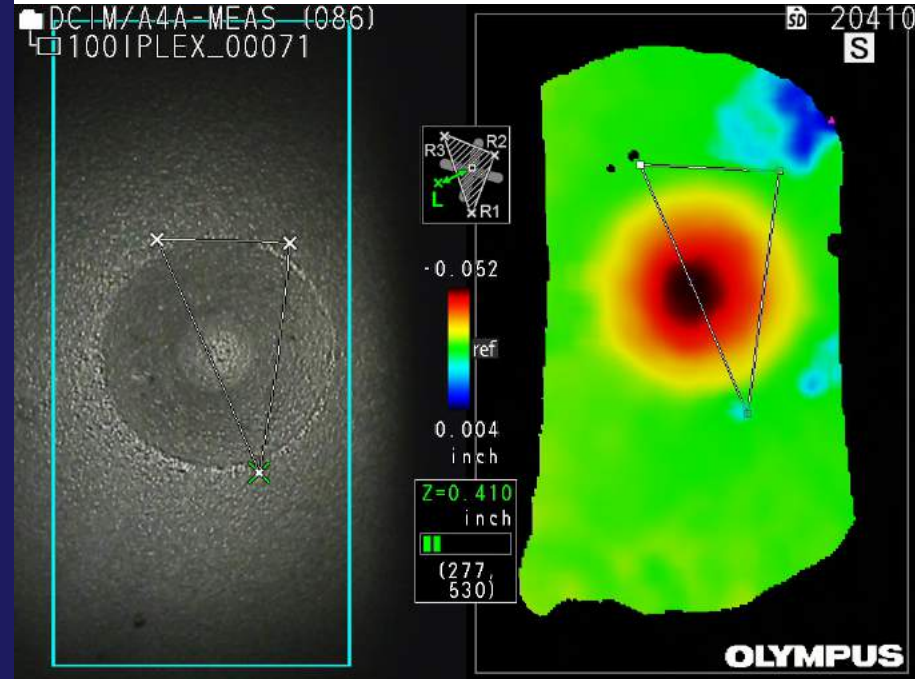# Feature Overview

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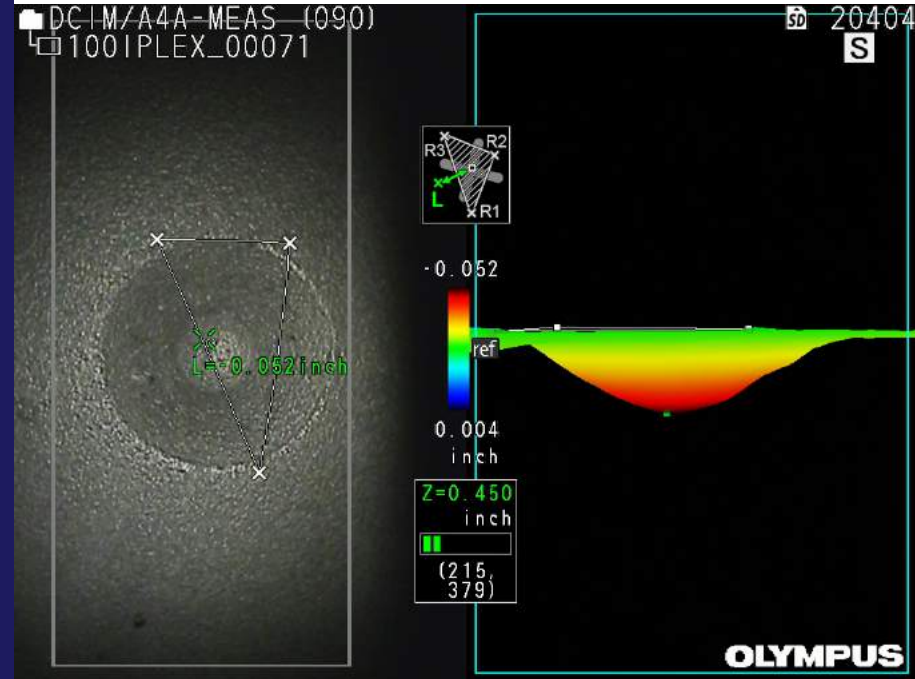2. Initial mode is tip to target

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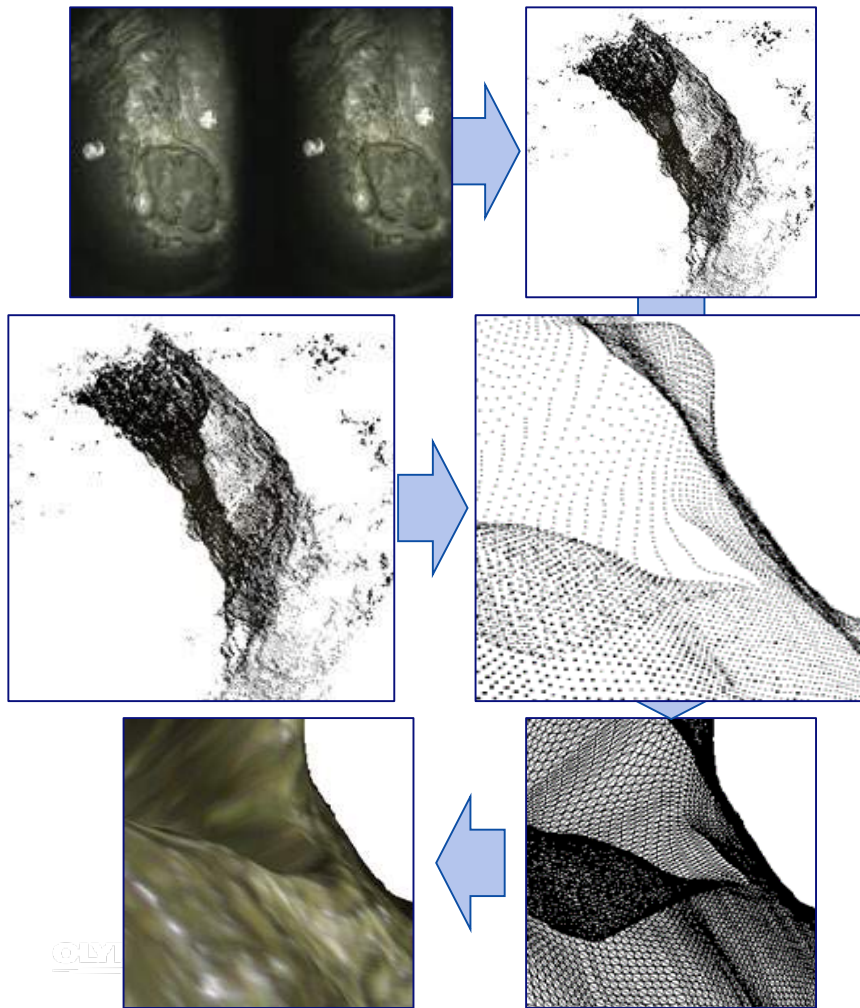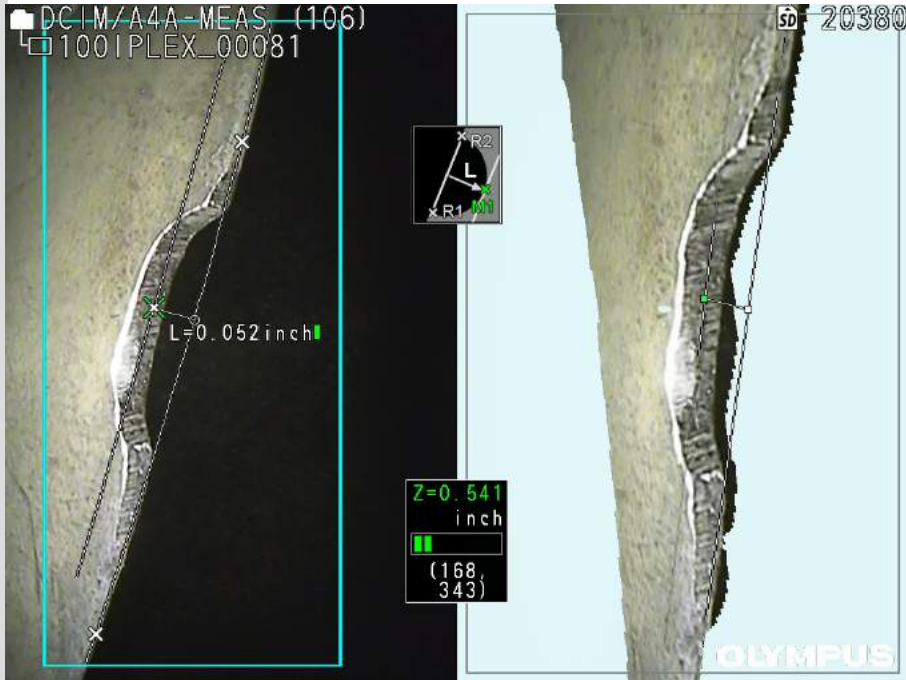# Feature Overview

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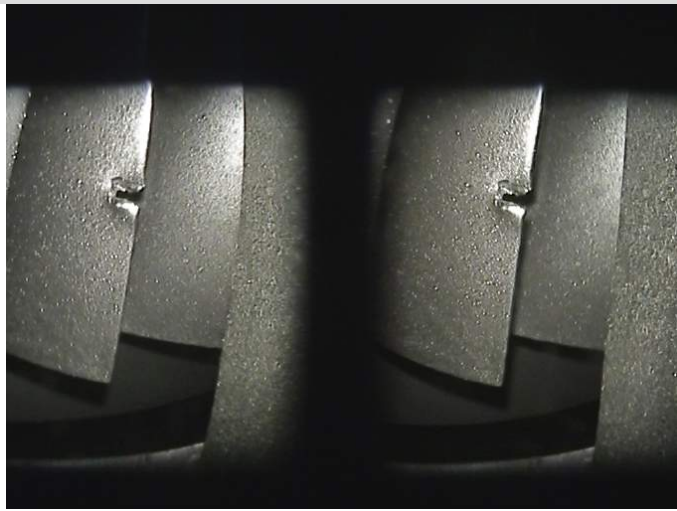3. Distance relative to a reference plane is also available

3D Modelling is Qualitative

1. All-point matching

2. Noise reduction and smoothing

3. Polygon mesh

4. Texture mapping

3D Modelling is Qualitative

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Questions?