Rubber Gasket Case Study

Test Report: Polyga Compact S1

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About Polyga

Polyga is a developer of 3D scanners and mesh processing software based in Vancouver, Canada. We have more than 10 years of experience building structured light 3D scanners and software that meet complex 3D imaging requirements. Our line of 3D scanners are a trusted brand of 3D imaging solutions used worldwide for a variety of industrial applications.

Products & Technology

All Polyga 3D scanners use structured-light technology for capturing high-resolution digital 3D scans from real world objects. These systems are great for companies, manufacturers, academic institutions, visual effect studios, and research labs that need 3D scan data for visualization and measurement applications including:

- 3D modeling
- documentation/archiving
- reverse engineering
- scientific measurement
- computer-aided inspection
- rapid prototyping/3D printing

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Scanning Overview

Scanners:

Polyga Compact S1

Introduction:

The purpose of this sample test was to perform a demonstration to capture the dimensions of rubber gaskets with the use of developer spray.

Scan Processing Results:

Each model below comprised of between 8 to 12 scans prior to merging.

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Equipment Used

Polyga Compact S1

Lightweight Rotary Table

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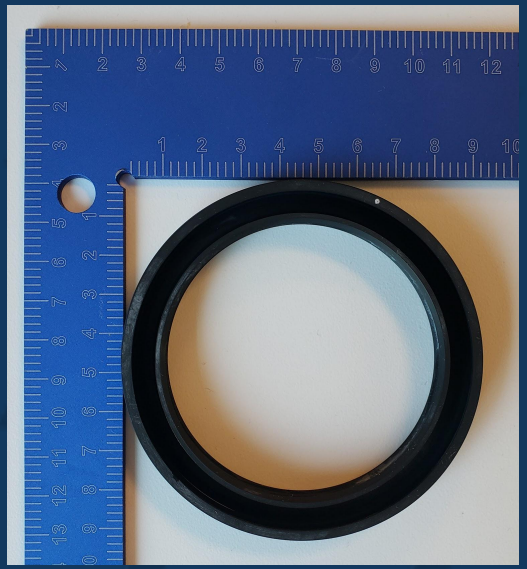
Scan Results



Click Here to Download Samples

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Scan Results

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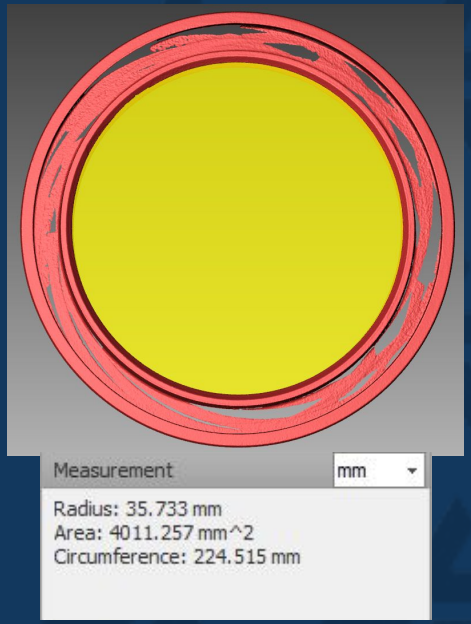
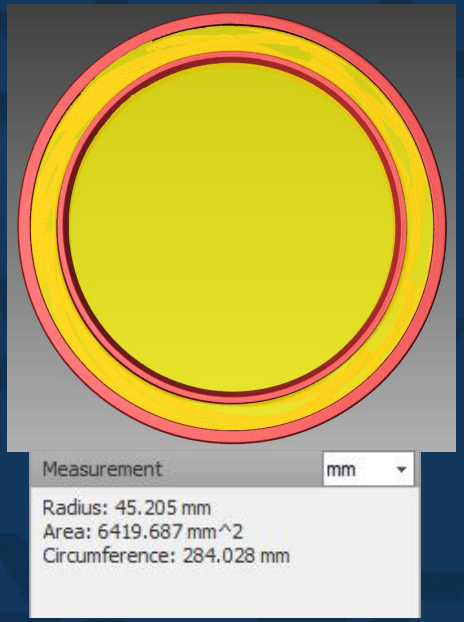
Scan Results

Circle Measurements





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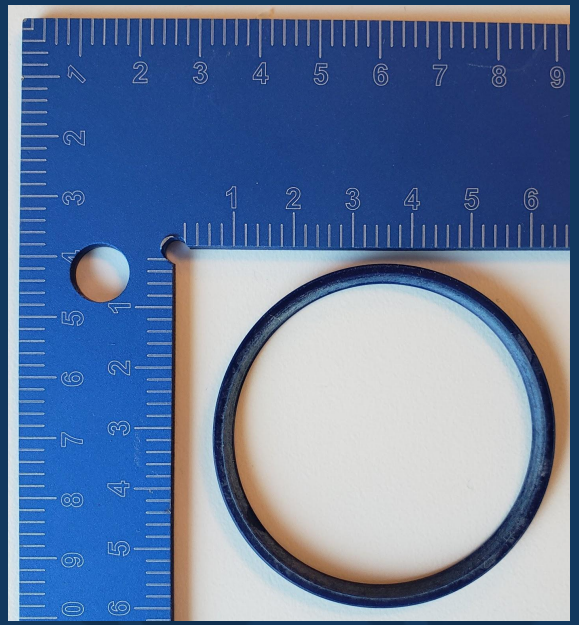
Scan Results



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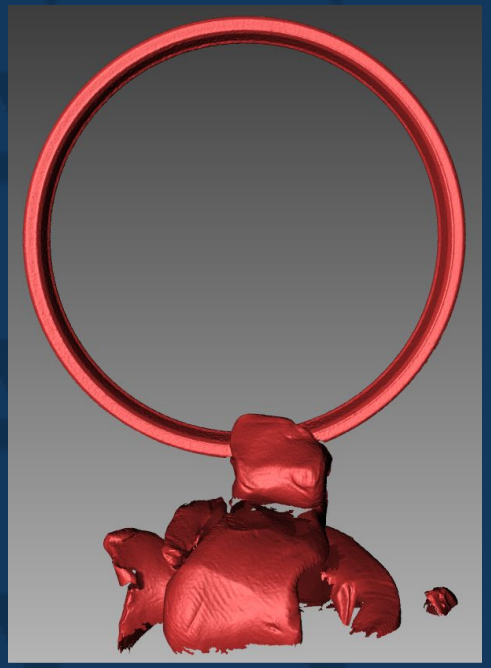
Scan Results



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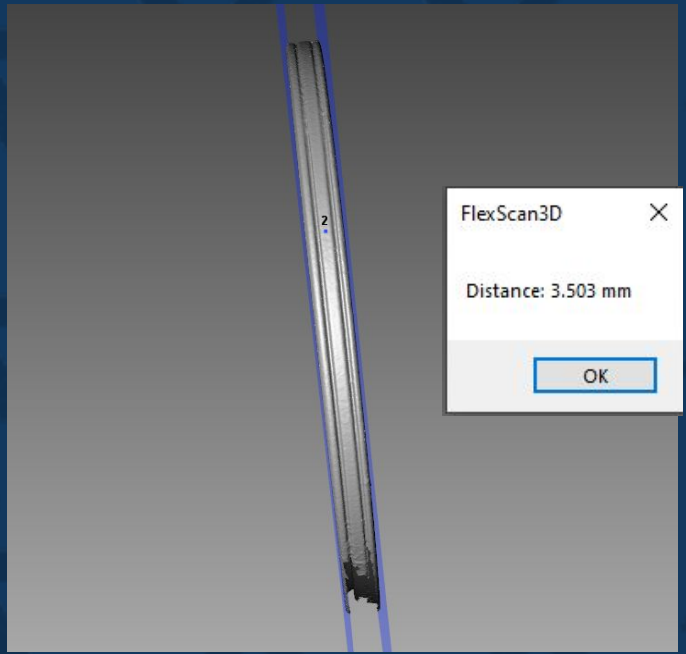
Scan Results

Plane to Plane Distance



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Contact

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