



# **RUBBER GASKET CASE STUDY**

Test Report: Polyga Compact S1



➤ Polyga is a developer of 3D scanners and mesh processing software based in **Vancouver, Canada**

➤ Thousands of **3D scanning software** installations

➤ Core Technology: **Structured light 3D Scanning & 3d Scan Data Processing Software**

➤ Developed **20+** scanner models

➤ Hundreds of scanner deliveries **worldwide** in **engineering** and **research companies**

# 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

# 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

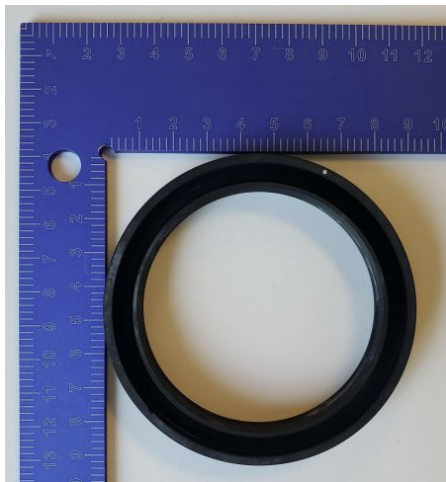
## Scan Processing Results

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

# Equipment Used



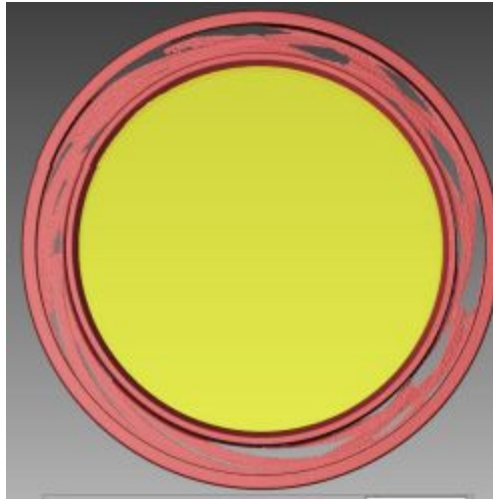
# Scan Results



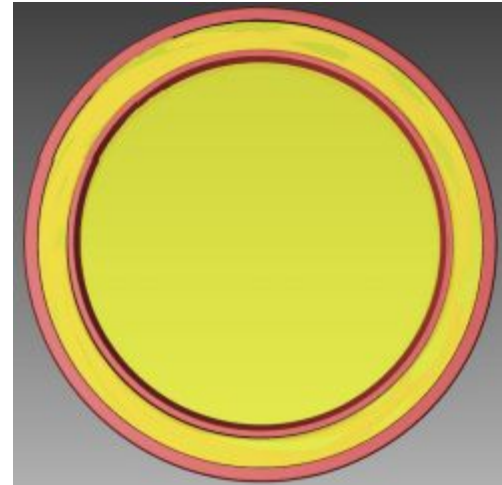
[Download Samples](#)

# Scan Results

## Circle Measurements



Measurement mm ▾  
Radius: 35.733 mm  
Area: 4011.257 mm<sup>2</sup>  
Circumference: 224.515 mm



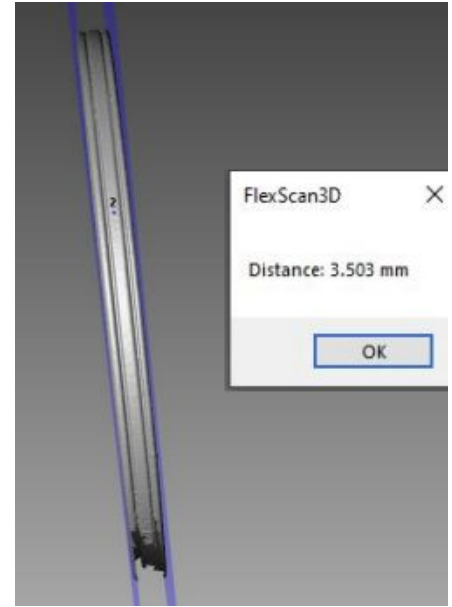
Measurement mm ▾  
Radius: 45.205 mm  
Area: 6419.687 mm<sup>2</sup>  
Circumference: 284.028 mm

# Scan Results





# Scan Results



## Our Team Looks Forward To Speaking With You Soon!

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