

Drill Bits - Scan Study

Test Report: Polyga Compact C506

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



Scanning Overview

Scanners:

Polyga Compact C506

Introduction:

The purpose of this sample test was to perform a demonstration to capture the dimensions of various drill bits with the use of developer spray.

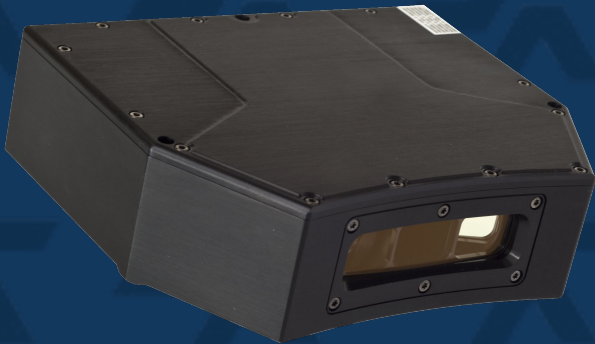
Setup:

The objects were fixed in place using modeling clay, and were then rotated to obtain scans of different angles of each part's surface. The parts needed to be sprayed with developer spray to reduce the surface reflection of the projected patterns.

Scan Processing Results:

Each model below comprised of multiple scans prior to merging.

Equipment Used

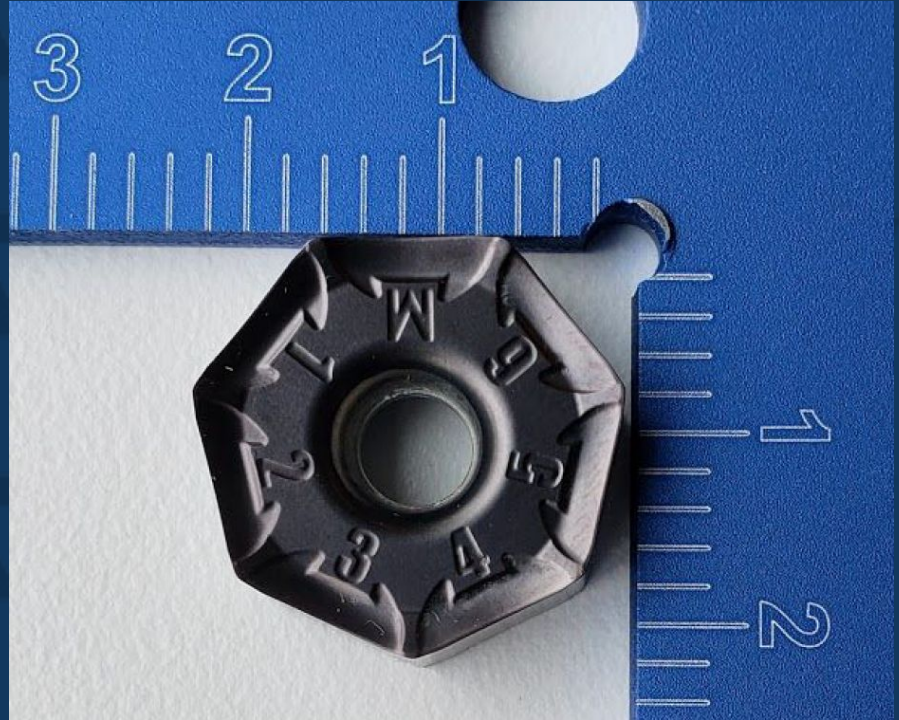
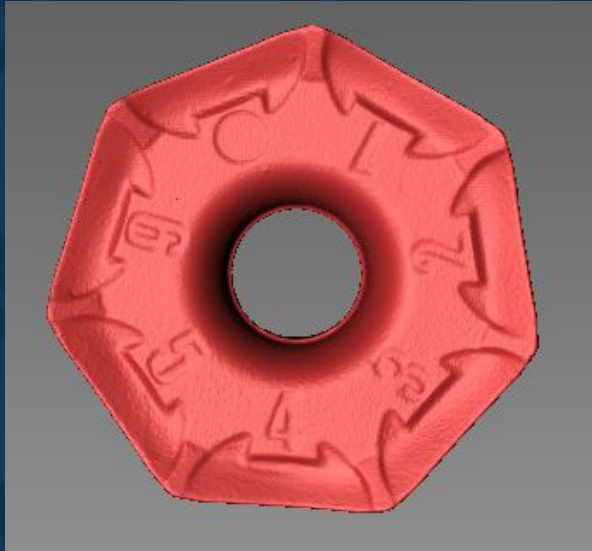


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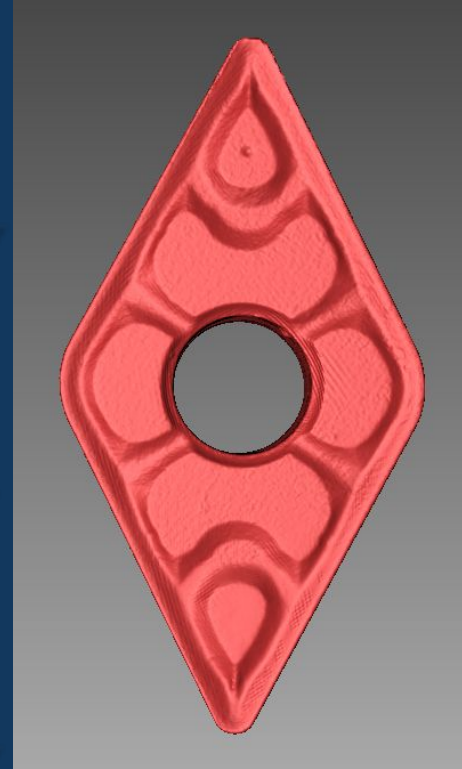
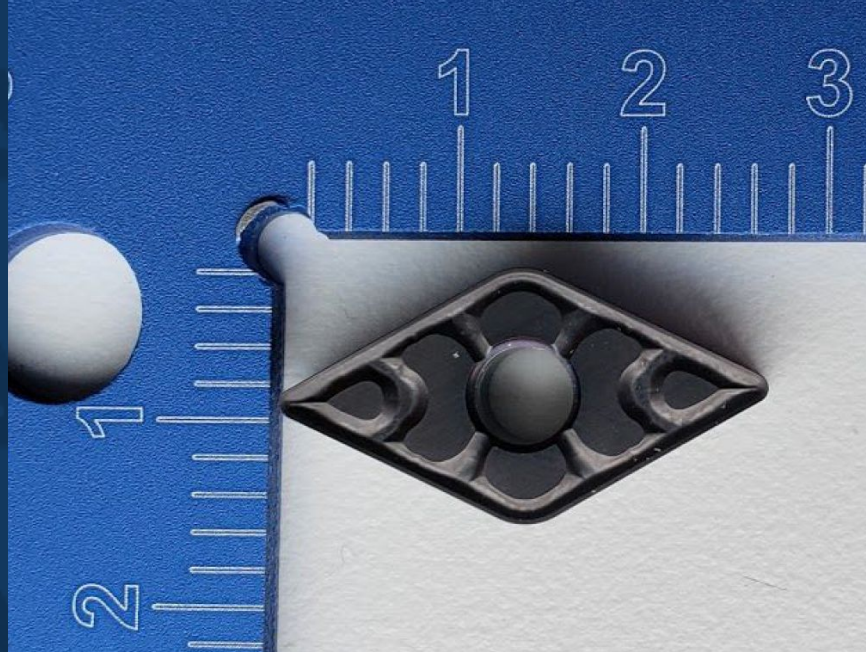
Scan Results

Drill Bit - 1

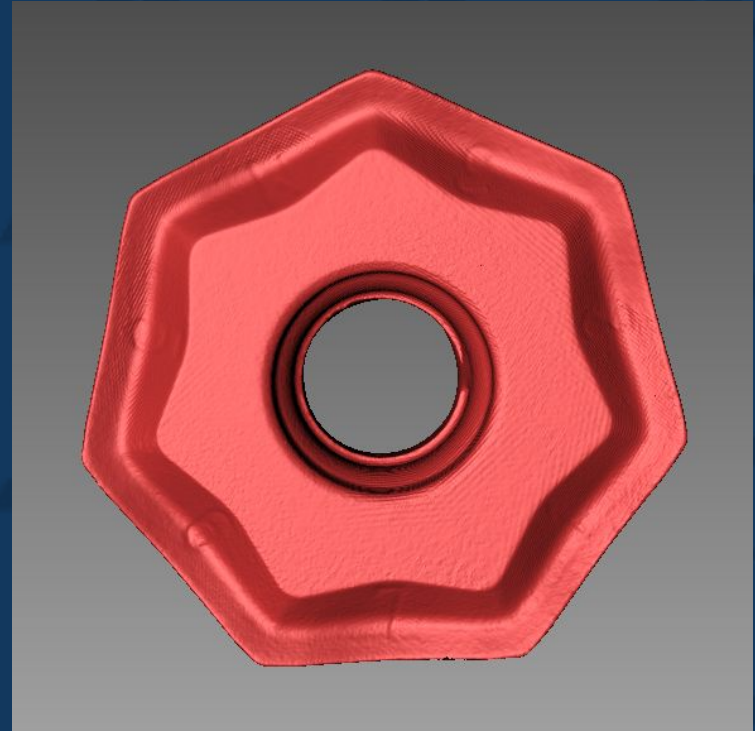
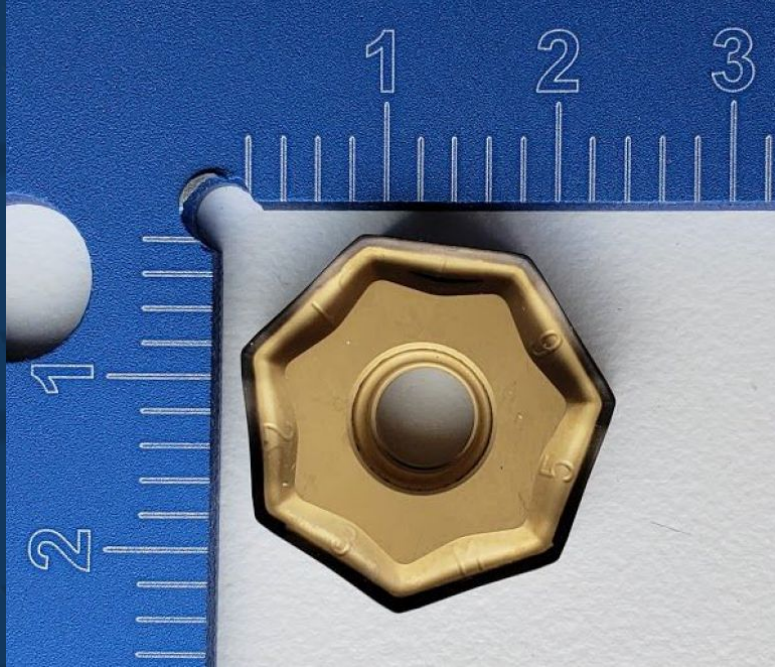


[Click Here to Download Samples](#)

Drill Bit - 2



Drill Bit - 3



Contact

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