DRILL BITS SCAN STUDY

Test Report: Polyga Compact C506

polyga

- 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 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.

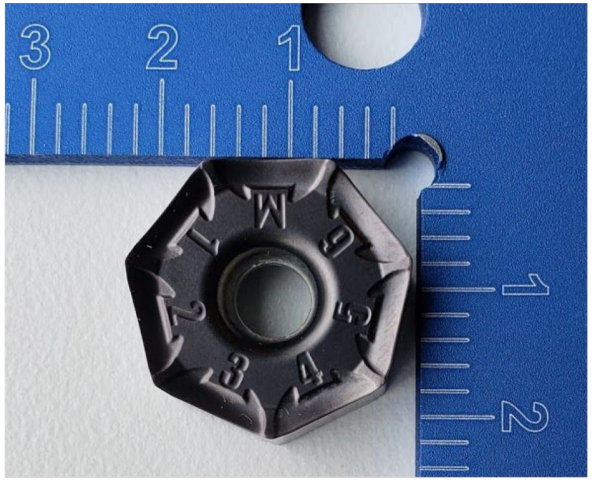
Equipments Used

Polyga Compact C506

Lightweight Rotary Table

Scan Results

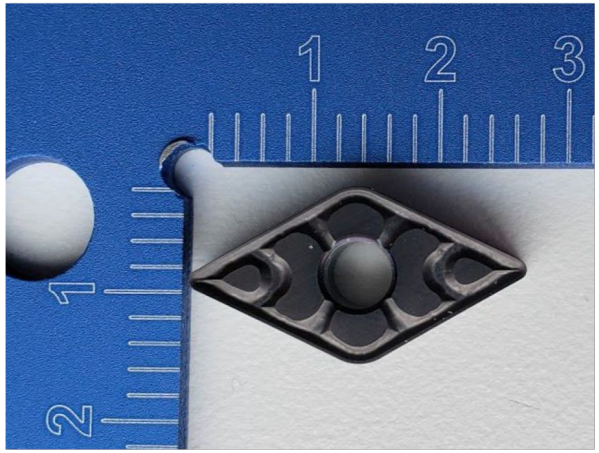
Drill Bit- 1

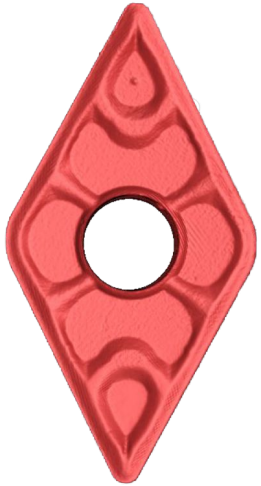


Download Samples

Scan Results

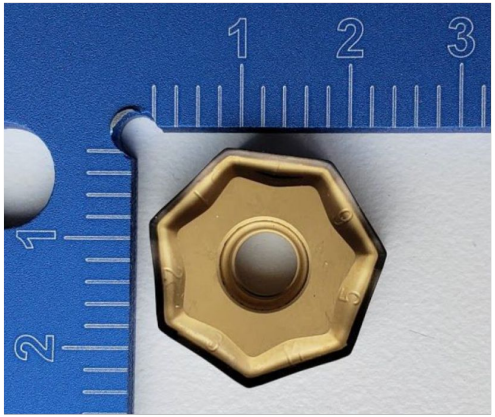
Drill Bit- 2





Scan Results

Drill Bit- 3



Our Team Looks Forward To Speaking With You Soon!

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