CyberGage360™
3D Scanning System

Unprecedented speed, accuracy and one-button simplicity for non-contact automated 3D scanning inspection.

Complete 360° 3D scan and inspection report in less than 3 minutes.

High-Precision Accuracy with MRS Technology
- Generates full 360° automated scan with accuracy to 7µm, 0.007mm +L/10000mm
- Incorporates CyberOptics' proprietary 3D Multi-Reflection Suppression (MRS) technology that inhibits measurement distortions for a highly accurate metrology grade scan

Easy-to-Use with One-Button Simplicity
- Simplifies scanning with one-button automation
- Provides factory-friendly operation with minimal training
- Generates reports comparing scan data to CAD models or ‘golden’ example
- Speeds part program selection with Bar Code Part ID
- Programs off-line with pre-defined inspection templates
- Eliminates costly inspection gages with fixtureless design
- Offers quick and simple field recalibration

Fast Scanning in Less than 3 Minutes
- Quickly generates a highly precise full 360° automated 3D surface scan of complex shaped parts in less than 3 minutes
- Facilitates near-production line high-volume scanning and high speed throughput

CyberGage360 lowers Cost of Quality and shortens time-to-market by dramatically speeding up In-Process Inspection and/or Incoming/Outgoing Parts Inspections.

Save Time. Save Expense. Improve Yields.
Specifications

**Work Volume**
200mm diameter x 100mm high cylinder (8" diameter x 4" high)

**Sensor Technology**
Patented MRS technology with structured blue light

**System Volumetric Accuracy**
7 µm; 0.007mm +L/10000mm (ISO 10360) See Accuracy Statement for CyberGage360 report available at LaserDesign.com/Products/CyberGage360

**Repeatability**
5 µm; 0.005mm/0.00020” See Accuracy Statement for CyberGage360 report available at LaserDesign.com/Products/CyberGage360

**Speed**
Up to 16 million points/part/ pose. Typical cycle time < 3 minutes

**CDRH Safety**
Eye safe - no protection needed

**System Controllers**
Embedded

**Environmental Temperature**
Temperature ambient = 20°C +/- 3°C (68.5°F +/- 5°F) to maintain calibrated performance

**Operating Environment**
Humidity 50% +/- 30%

**Weight of Part**
2.0 kg max (4.4 lbs.)

**Data Output Formats**
STL, PLY, OBJ, ASC

**Electrical Requirements**
100-240 VAC, 3.6/1.8 Amps, 60-50Hz, Phase 1

**Included with System**
PC controller built in, Polyworks Inspector inspection reporting software with:
1 year maintenance/support, operation manual, maintenance manual, and training at factory (Minneapolis or onsite option).

**Warranty**
1-year warranty (hardware, software, parts, labor, workmanship)

Dimensions

Output Report Examples

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3D Scans – Simple as...

1. Open the door
2. Place the part
3. Press the button

Designed for use in general purpose metrology, the CyberGage360 has a range of potential industrial applications from automotive to aerospace, where high accuracy and high speed throughput are important.