

GOM VOLUME INSPECT

CT data analysis  
in 3D

Visualize and inspect your CT data with GOM Volume Inspect – irrespective of which computed tomography system you use for measuring. Import your CT and CAD data to gain highly precise information on the quality of your measurement objects.

Intuitive operation, high performance:  
Never have CT data analyses been easier!



## Reveal the inside

GOM Volume Inspect combines powerful volume features with innovative measuring tools:

### Interactive display of volume data

Display your data in 2D volume sections and in 3D

### Metrological evaluation

3D inspections of geometric elements including GD&T

### Analysis of internal defects

Shrinkage cavities, inclusion, porosity, and so on

### Clear result visualization

Full-field nominal/actual comparison with color-coded visualization

### Automated evaluations and customized functions

In GOM Volume Inspect Pro

### Conclusive reporting

Summary of all your measuring results in one report

# Highlights of GOM Volume Inspect Pro

## Video reporting

Move virtually through your components layer by layer. Record video clips as you move along and share them with your colleagues.

## Analysis according to P203

Perform automated evaluations of defects such as pores or shrinkage cavities based on a wide range of criteria.

## Evaluate batch scans

Extract individual volumes automatically from a batch scan, thus simplifying the evaluation of all individual components.

## Automated evaluations

Create your evaluations once and apply them to any number of parts to speed up your processes.

## Analyze trends

Easy and fast trend analyses and part-to-part comparisons.

## Create templates

Add individual and customized templates to the software.

# License overview

Choose the license that suits your inspection.

GOM Volume Inspect Pro offers the complete feature scope.



## Visual inspection of volume data in 2D and 3D

Visualization templates for color and transparency		✓
Volume Detail View	✓	✓
Creation of fly-through videos		✓
Automatic recalculation of volume sections		✓

## Defect analysis

Basic defect checks	✓	✓
Coloring of defects	✓	✓
Advanced defect checks according to P203		✓
Automatic recalculation of inspection elements		✓

## Dimensional Inspection

Geometric Dimensioning and Tolerancing (GD&T)	✓	✓
Full-field geometrical inspection, also on internal structures	✓	✓
Use of tolerance tables		✓
Virtual compensation of warpage with De-Warp		✓
Automatic recalculation of inspection elements		✓

## Automation

Volume separation of batch scans		✓
Trend analysis and part-to-part comparison		✓
Automated workflow		✓

## Customization

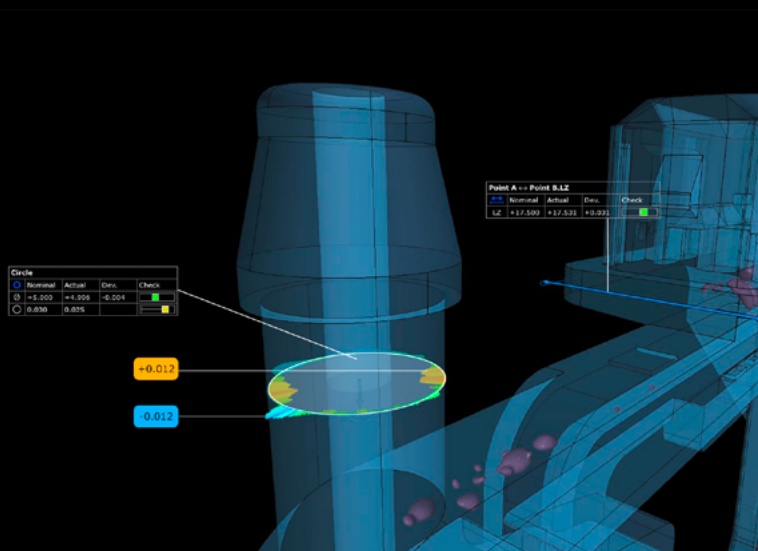
User-defined checks		✓
Individual programming including macro recorder		✓
Creation and deployment of feature packages		✓
Customized reporting templates		✓

## Volume processing

Basic volume polygonization	✓	✓
Enhanced volume polygonization		✓
Volume size reduction	✓	✓
Volume reconstruction		✓

## Reporting

Reports with snapshots, images, tables, charts, texts and graphs	✓	✓	incl. videos
Color-coded display of results	✓	✓	



## Get started with GOM Suite

The one-for-all platform GOM Suite offers easy access to GOM software.  
Get to know the basic features of GOM Volume Inspect for free!\*

Look into your parts and evaluate geometries, defects and structures.

Learn more at [gom.com](https://www.gom.com)

\*Free use – no contractual commitment, only registration required