

**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** CAD 1  
**Section:** CAD settings

**Serial number:**  
**Object evaluation state:** Out of tolerance  
**Scene evaluation state:** Out of tolerance

**Mesh info**

Vertex count	40820
Triangle count	65954
Surface area [mm²]	77902.57
Dimensions [mm]	[100.00, 99.99, 125.00]

**Registration information**

Alignment approach
Aligned object
Reference object

**Tolerance settings**

Distance measure
Surface overlap
Alignment tolerance status

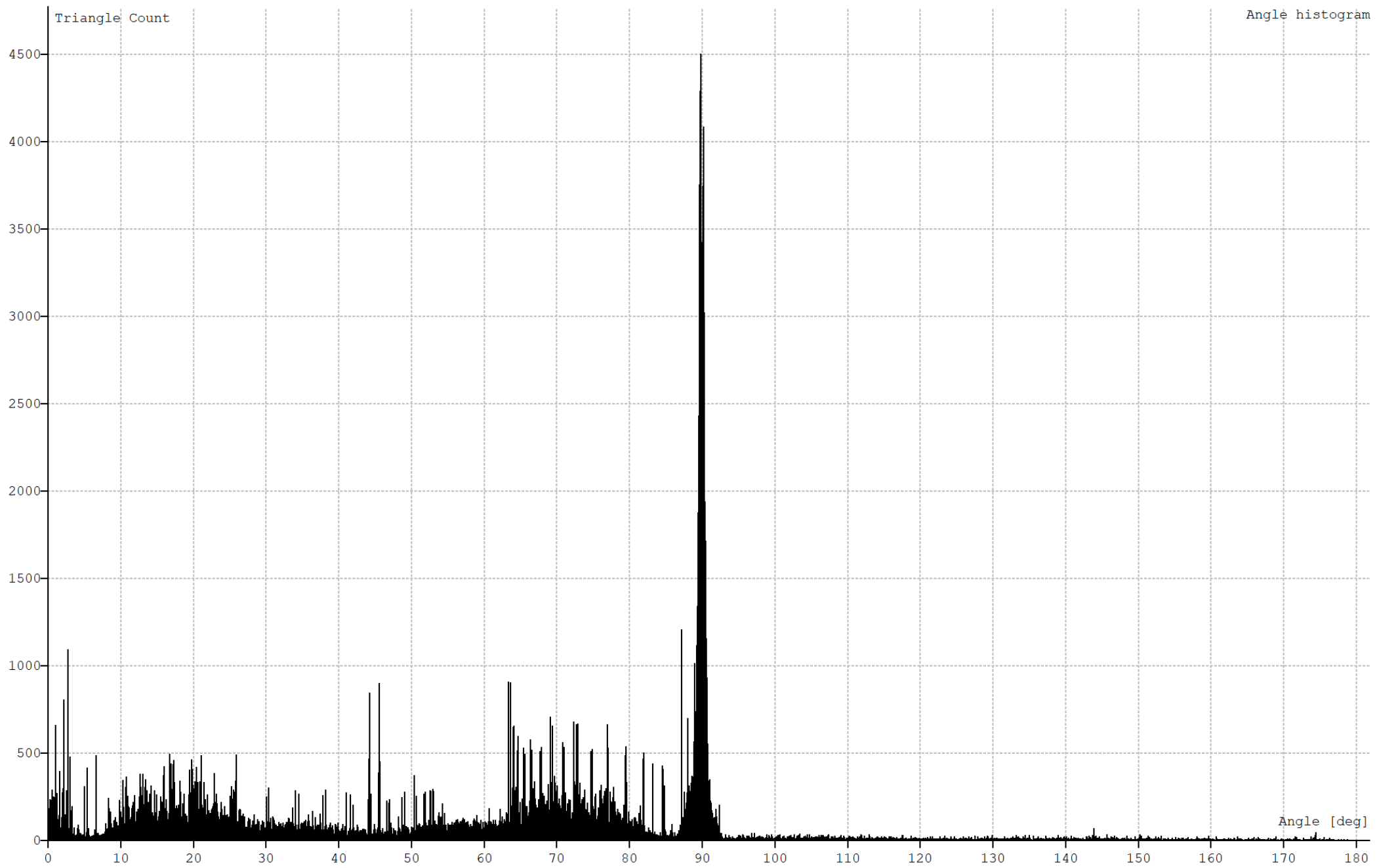
**File list**

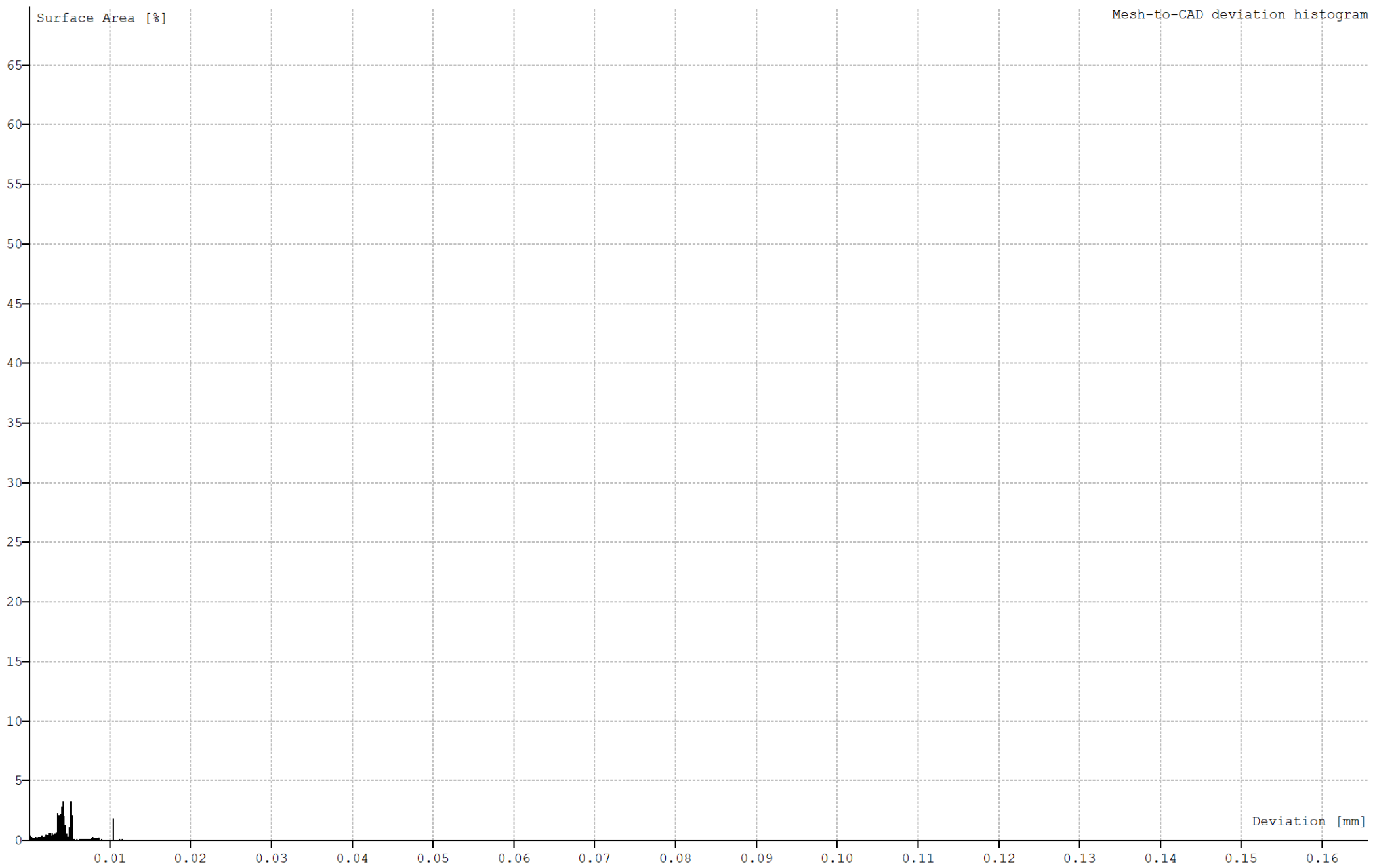
D:/workspace/volume/[vg-data] CMM/cad\_1/VG\_Cube.stp

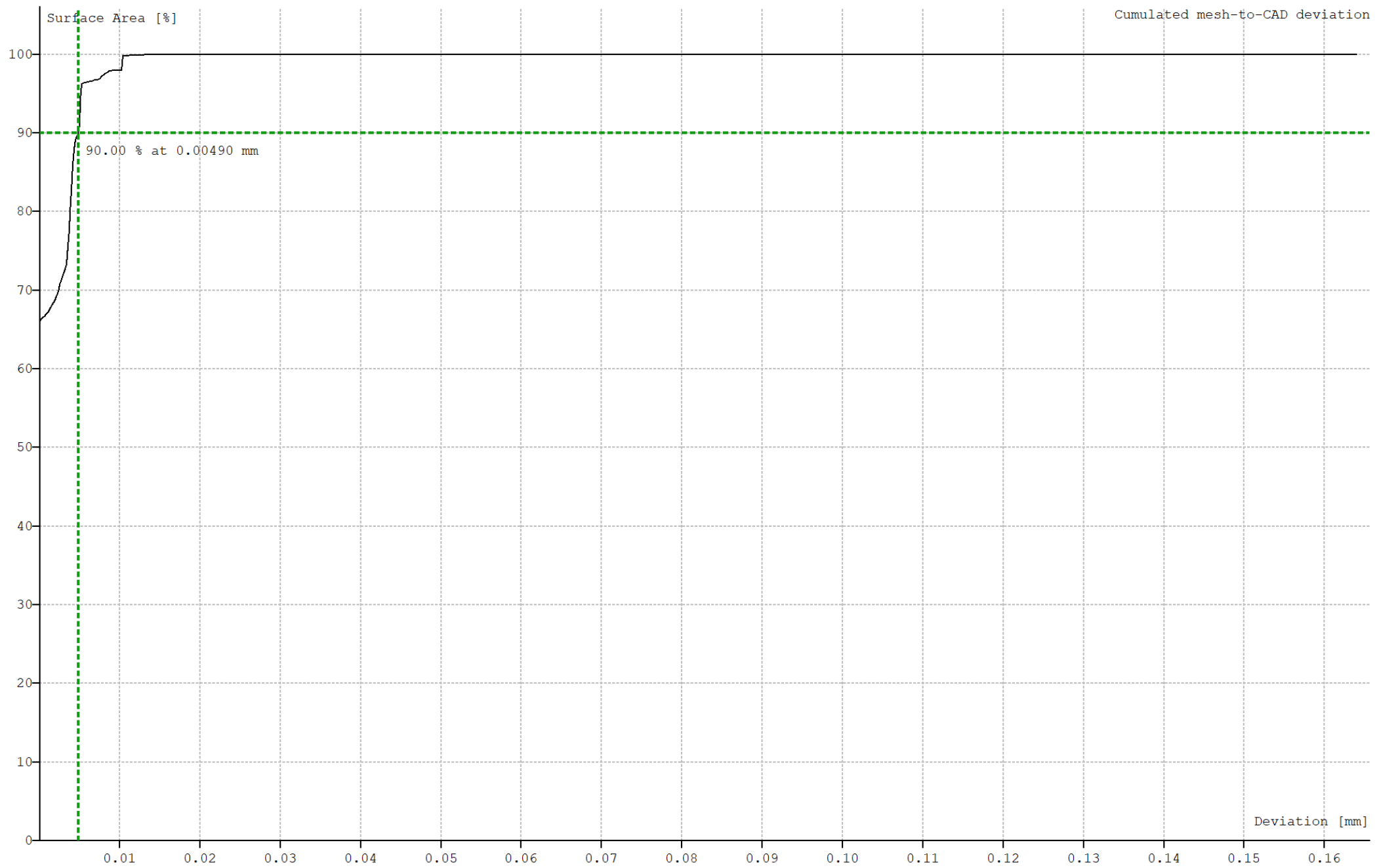
Tag	Description
Internal name	Testkoerper_Solid.stp
Date	2012/03/21 10:39:39
Author	Volume Graphics
Organization	Volume Graphics
Preprocessor version	Open CASCADE STEP processor 6.5
Originating system	VGStudio Max 2.2
Authorisation	Unknown
Schema identifier	AUTOMOTIVE_DESIGN_CC2 { 1 2 10303 214 -1 1 5 4 }
Description	VG-Wuerfel
Implementation level	2;1

Project name: D:/workspace/volume/CMM.vgl  
Scene path: CAD 1  
Section: Interior angle histogram

Serial number:  
Object evaluation state: Out of tolerance  
Scene evaluation state: Out of tolerance







Group	Name	Type	Actual value [mm/deg]	Position x [mm]	Position y [mm]	Position z [mm]	Direction x	Direction y	Direction z	Nominal [mm/deg]	Tolerance (lo) [mm/deg]	Tolerance (hi) [mm/deg]
	Angle 1	Angle	50.38 deg	30.55	-15.25	-50.00						
	Indicator 1	Indicator	This is an i...	50.05	15.64	-70.30						

**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** CAD 1 > Coordinate measurement  
**Section:** Feature table

**Serial number:**  
**Object evaluation state:** Out of tolerance  
**Scene evaluation state:** Out of tolerance

Group	Name	Type	Coordinate system	Actual value [mm/deg]	Nominal value [mm/deg]	Tolerance (lo) [mm/deg]
	Feature 1	Angularity	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 1 [2]	Radius	Scene coordinate system	25.00 mm	25.00 mm	-0.10 mm
	Feature 1 [2] [2]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 1 [3]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 1 [3] [2]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 1 [4]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 2	Coaxiality	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 2 [2]	Radius	Scene coordinate system	25.00 mm	25.00 mm	-0.20 mm
	Feature 3	Conicity	Scene coordinate system	0.04 mm	0.00 mm	
	Feature 3 [2]	Radius	Scene coordinate system	25.00 mm	25.00 mm	-0.20 mm
	Feature 4	Cylindricity	Scene coordinate system	0.10 mm	0.00 mm	
	Feature 4 [2]	Position	Scene coordinate system	113.00 mm	113.00 mm	-0.30 mm
	Feature 5	Flatness	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 5 [2]	Angle	Scene coordinate system	90.00 deg	90.00 deg	-0.50 deg
	Feature 6	Line profile	Volume 1 coordinate syst...	0.25 mm	0.00 mm	
	Feature 6 [2]	Angle	Scene coordinate system	90.00 deg	90.00 deg	-0.10 deg
	Feature 7	Parallelism	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 7 [2]	Distance (mid perpendic...	Scene coordinate system	100.00 mm	100.00 mm	-0.50 mm
	Feature 8	Perpendicularity	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 8 [2]	Distance (mid perpendic...	Scene coordinate system	25.00 mm	25.00 mm	-0.20 mm
	Feature 9	Position	Scene coordinate system	0.09 mm	0.00 mm	
	Feature 9 [2]	Distance (mid perpendic...	Scene coordinate system	90.00 mm	90.00 mm	-0.71 mm
	Feature 9 [3]	Position	Scene coordinate system	7.91 mm	0.00 mm	
	Feature 10	Roundness	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 10 [2]	Angle	Scene coordinate system	45.00 deg	45.00 deg	
	Feature 11	Run-out	Scene coordinate system	1.36 mm	0.00 mm	
	Feature 11 [2]	Angle	Scene coordinate system	90.00 deg	90.00 deg	
	Feature 11 [3]	Run-out	Scene coordinate system	1.36 mm	0.00 mm	
	Feature 12	Sphericity	Scene coordinate system	0.11 mm	0.00 mm	
	Feature 12 [2]	Cylindricity	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 13	Straightness	Scene coordinate system	99.98 mm	0.00 mm	
	Feature 13 [2]	Cylindricity	Datum system 1 [3]	0.00 mm	0.00 mm	
	Feature 14	Surface profile	Volume 1 coordinate syst...	0.95 mm	0.00 mm	
	Feature 14 [2]	Cylindricity	Datum system 1 [3]	0.00 mm	0.00 mm	
	Feature 15	Symmetry	Volume 1 coordinate syst...	0.00 mm	0.00 mm	
	Feature 15 [2]	Perpendicularity	Datum system 1 [3]	0.00 mm	0.00 mm	
	Feature 16	Total run-out	Volume 1 coordinate syst...	52.52 mm	0.00 mm	
	Feature 16 [2]	Flatness	Datum system 1 [3]	0.00 mm	0.00 mm	

Project name: D:/workspace/volume/CMM.vgl  
Scene path: CAD 1 > Coordinate measurement  
Section: Feature table

Serial number:  
Object evaluation state: Out of tolerance  
Scene evaluation state: Out of tolerance

Group	Name	Type	Coordinate system	Actual value [mm/deg]	Nominal value [mm/deg]	Tolerance (lo) [mm/deg]
	Feature 17	Distance	Scene coordinate system	92.15 mm	92.00 mm	-0.20 mm
	Feature 17 [2]	Surface profile	Datum system 1 [2]	12.40 mm	0.00 mm	
	Feature 17 [3]	Surface profile	Datum system 1 [3]	0.00 mm	0.00 mm	
	Feature 18	Angle	Scene coordinate system	90.00 deg	90.00 deg	-0.10 deg
	Feature 18 [2]	Line profile	Datum system 1 [2]	12.42 mm	0.00 mm	
	Feature 18 [3]	Line profile	Datum system 1 [3]	0.00 mm	0.00 mm	
	Feature 19	Distance (min perpendic...	Scene coordinate system	100.00 mm	100.00 mm	-0.20 mm
	Feature 20	Distance (max perpendic...	Scene coordinate system	100.00 mm	100.00 mm	-0.20 mm
	Feature 21	Distance (min finite)	Scene coordinate system	100.00 mm	100.00 mm	-0.20 mm
	Feature 22	Distance (mid perpendic...	Scene coordinate system	100.00 mm	100.00 mm	-0.20 mm
	Feature 23	Distance (max finite)	Scene coordinate system	167.13 mm	166.00 mm	-1.00 mm
	Feature 24	Distance (min)	Scene coordinate system	100.00 mm	100.00 mm	-0.20 mm
	Feature 25	Distance (min infinite)	Scene coordinate system	100.00 mm	100.00 mm	-0.10 mm
	Feature 26	Distance (centroid)	Scene coordinate system	100.18 mm	100.00 mm	-0.05 mm
	Feature 27	Diameter	Scene coordinate system	9.00 mm	9.00 mm	-0.05 mm
	Feature 28	Position	Scene coordinate system	122.26 mm	122.00 mm	-0.20 mm
	Feature 29	Distance	Scene coordinate system	100.08 mm	100.00 mm	-0.10 mm
	Feature 30	Distance (mid perpendic...	Scene coordinate system	100.00 mm	100.00 mm	-0.50 mm



**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** CAD 1 > Coordinate measurement  
**Section:** Geometry element table

**Serial number:**  
**Object evaluation state:** Out of tolerance  
**Scene evaluation state:** Out of tolerance

Name	Status	Type	Position x [mm]	Position y [mm]	Position z [mm]	Direction x	Direction y	Direction z	Normal x	Normal y	Normal z	Constructi... method
Circle 1	OK	Circle	-12.37	12.37	-121.00				0.00	0.00	1.00	Gauss (lea...
Cone 1	OK	Cone	0.00	0.00	-112.15	0.00	0.00	1.00				Gauss (lea...
Cylinder 1	OK	Cylinder	0.00	0.00	-20.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 1 [...]	OK	Cylinder	0.00	0.00	-20.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 2	OK	Cylinder	25.50	0.00	-40.00	1.00	0.00	0.00				Gauss (lea...
Cylinder 2 [...]	OK	Cylinder	25.50	0.00	-40.00	1.00	0.00	0.00				Gauss (lea...
Cylinder 3	OK	Cylinder	0.00	0.00	-113.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 3 [...]	OK	Cylinder	0.00	0.00	-113.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4	OK	Cylinder	-12.37	12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.37	12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.37	-12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.37	-12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.37	-12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.37	-12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.37	12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.37	12.37	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 5	OK	Cylinder	-20.00	40.00	-80.00	0.00	1.00	0.00				Gauss (lea...
Cylinder 5 [...]	OK	Cylinder	-20.00	40.00	-80.00	0.00	1.00	0.00				Gauss (lea...
Freeform li...	OK	Freeform li...										Prescribed ...
Freeform li...	OK	Freeform li...										Prescribed ...
Freeform s...	OK	Freeform s...										Prescribed ...
Freeform s...	OK	Freeform s...										Prescribed ...
Plane 1	OK	Plane	0.00	5.00	-100.00				0.00	0.00	-1.00	Gauss (lea...
Plane 1 [2]	OK	Plane	0.00	5.00	-100.00				0.00	0.00	-1.00	Gauss (lea...
Plane 2	OK	Plane	-7.50	-40.00	-54.00				0.00	-1.00	0.00	Gauss (lea...
Plane 2 [2]	OK	Plane	-7.50	-40.00	-54.00				0.00	-1.00	0.00	Gauss (lea...
Plane 3	OK	Plane	43.00	-30.00	-50.00				0.00	-1.00	0.00	Gauss (lea...
Plane 3 [2]	OK	Plane	43.00	-30.00	-50.00				0.00	-1.00	0.00	Gauss (lea...
Plane 4	OK	Plane	35.00	-35.50	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 4 [2]	OK	Plane	35.00	-35.50	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 5	OK	Plane	50.00	10.00	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 5 [2]	OK	Plane	50.00	10.00	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 6	OK	Plane	0.00	9.00	0.00				0.00	0.00	1.00	Gauss (lea...
Plane 6 [2]	OK	Plane	0.00	9.00	0.00				0.00	0.00	1.00	Gauss (lea...
Plane 7	OK	Plane	-7.50	-36.00	-4.00				0.00	-0.71	0.71	Gauss (lea...
Plane 7 [2]	OK	Plane	-7.50	-36.00	-4.00				0.00	-0.71	0.71	Gauss (lea...
Plane 8	OK	Plane	-50.00	5.00	-50.00				-1.00	0.00	0.00	Gauss (lea...
Plane 8 [2]	OK	Plane	-50.00	5.00	-50.00				-1.00	0.00	0.00	Gauss (lea...

Project name: D:/workspace/volume/CMM.vgl  
Scene path: CAD 1 > Coordinate measurement  
Section: Geometry element table

Serial number:  
Object evaluation state: Out of tolerance  
Scene evaluation state: Out of tolerance

Name	Status	Type	Position x [mm]	Position y [mm]	Position z [mm]	Direction x	Direction y	Direction z	Normal x	Normal y	Normal z	Constructi... method
Plane 9	OK	Plane	0.00	0.00	-125.00				0.00	0.00	-1.00	Gauss (lea...
Plane 9 [2]	OK	Plane	0.00	0.00	-125.00				0.00	0.00	-1.00	Gauss (lea...
Plane 10	OK	Plane	0.00	50.00	-50.00				0.00	1.00	0.00	Gauss (lea...
Plane 10 [2]	OK	Plane	0.00	50.00	-50.00				0.00	1.00	0.00	Gauss (lea...
Sphere 1	OK	Sphere	10.00	-44.97	-30.00							Gauss (lea...

Data info	
Endianness	Little-endian
Data type	UInt8

Data set info	
Dimensions [voxel]	[375, 390, 431]
Dimensions [mm]	[112.50, 117.00, 129.30]
Resolution min [mm]	[0.300000012, 0.300000012, 0.300000042]
Voxel count	63033750
Total volume [mm³]	1701911.88

Surface determination	
Object volume [mm³]	739988.19
Total volume - object volume [mm³]	961923.69
Surface area [mm²]	75688.55
Closed surface area [mm²]	75688.55
Surface area difference [mm²]	0.00
Dimensions [mm]	[100.18, 99.96, 125.02]

Registration information	
Alignment approach	Feature-based alignment
Aligned object	Volume 1
Reference object	CAD 1
Distance measure	0.08
Surface overlap [%]	99.89
Alignment tolerance status	Not toleranced

Morphometrics	
BV/TV, material to total volume [%]	43.48
BS/BV, material surface to material volume [mm <sup>-1</sup> ]	0.10228
TbTh, mean trabecular thickness [mm]	19.55
TbN, mean trabecular number [mm <sup>-1</sup> ]	0.022236
TbSp, mean trabecular spacing [mm]	25.42

Anisotropy	
Anisotropy	0.00000000
Eigenvalues of fabric tensor	[0.00000000, 0.00000000, 0.00000000]
Main direction of orientation	[0.00000000, 0.00000000, 0.00000000]

Project name:

Scene path:

Section:

D:/workspace/volume/CMM.vgl  
Volume 1  
File list

Serial number:

Object evaluation state:

Scene evaluation state:

Out of tolerance  
Out of tolerance

File name	Volume size x	Volume size y	Volume size z	Sample type	Resolution x [mm]	Resolution y [mm]	Resolution z [mm]	Slice position [mm]	File format
D:/workspace/v...	375	390	431	UInt8	1.000000	1.000000	1.000000	0.000000	raw

**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** Volume 1  
**Section:** Manufacturer info

Serial number: Out of tolerance  
Object evaluation state: Out of tolerance  
Scene evaluation state: Out of tolerance

Project name:

Scene path:

Section:

D:/workspace/volume/CMM.vgl  
Volume 1  
Scan info

Serial number:

Object evaluation state:

Scene evaluation state:

Out of tolerance

Out of tolerance

Tag	Description
Tube voltage	
Tube current	
Scan time	
Reconstruction time	
Total process time	
Reconstruction algorithm	
Scan method	
Geometry	
Integration time	
Filter	
Number of projections	
Date time	
User	

Serial number:   
Object evaluation state: Out of tolerance   
Scene evaluation state: Out of tolerance

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**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** Volume 1 > Coordinate measurement  
**Section:** Feature table

**Serial number:**  
**Object evaluation state:** Out of tolerance  
**Scene evaluation state:** Out of tolerance

Group	Name	Type	Coordinate system	Actual value [mm/deg]	Nominal value [mm/deg]	Tolerance (lo) [mm/deg]
	Feature 1	Angularity	Scene coordinate system	0.47 mm	0.00 mm	
	Feature 1 [2]	Radius	Scene coordinate system	25.04 mm	25.00 mm	-0.10 mm
	Feature 1 [2] [2]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 1 [3]	Radius	Scene coordinate system	4.51 mm	4.50 mm	-0.10 mm
	Feature 1 [3] [2]	Radius	Scene coordinate system	4.50 mm	4.50 mm	-0.10 mm
	Feature 1 [4]	Radius	Scene coordinate system	4.51 mm	4.50 mm	-0.10 mm
	Feature 2	Coaxiality	Scene coordinate system	0.09 mm	0.00 mm	
	Feature 2 [2]	Radius	Scene coordinate system	25.06 mm	25.00 mm	-0.20 mm
	Feature 3	Conicity	Scene coordinate system	0.06 mm	0.00 mm	
	Feature 3 [2]	Radius	Scene coordinate system	25.04 mm	25.00 mm	-0.20 mm
	Feature 4	Cylindricity	Scene coordinate system	0.11 mm	0.00 mm	
	Feature 4 [2]	Position	Scene coordinate system	113.00 mm	113.00 mm	-0.30 mm
	Feature 5	Flatness	Scene coordinate system	0.06 mm	0.00 mm	
	Feature 5 [2]	Angle	Scene coordinate system	90.00 deg	90.00 deg	-0.50 deg
	Feature 5 [3]	Flatness	Scene coordinate system	14.15 mm	0.00 mm	
	Feature 6	Line profile	Volume 1 coordinate syst...	0.00 mm	0.00 mm	
	Feature 6 [2]	Angle	Scene coordinate system	90.01 deg	90.00 deg	-0.10 deg
	Feature 7	Parallelism	Scene coordinate system	0.15 mm	0.00 mm	
	Feature 7 [2]	Distance (mid perpendic...	Scene coordinate system	99.86 mm	100.00 mm	-0.50 mm
	Feature 8	Perpendicularity	Scene coordinate system	0.15 mm	0.00 mm	
	Feature 8 [2]	Distance (mid perpendic...	Scene coordinate system	25.05 mm	25.00 mm	-0.20 mm
	Feature 9	Position	Scene coordinate system	0.00 mm	0.00 mm	
	Feature 9 [2]	Distance (mid perpendic...	Scene coordinate system	89.86 mm	90.00 mm	
	Feature 10	Roundness	Scene coordinate system	0.05 mm	0.00 mm	
	Feature 10 [2]	Angle	Scene coordinate system	45.05 deg	45.00 deg	
	Feature 10 [3]	Roundness	Scene coordinate system	0.05 mm	0.00 mm	
	Feature 11	Run-out	Scene coordinate system	1.36 mm	0.00 mm	
	Feature 11 [2]	Angle	Scene coordinate system	90.01 deg	90.00 deg	
	Feature 12	Sphericity	Scene coordinate system	0.14 mm	0.00 mm	
	Feature 12 [2]	Cylindricity	Scene coordinate system	0.12 mm	0.00 mm	
	Feature 13	Straightness	Scene coordinate system	99.89 mm	0.00 mm	
	Feature 13 [2]	Cylindricity	Datum system 1 [3]	0.13 mm	0.00 mm	
	Feature 14	Surface profile	Volume 1 coordinate syst...	0.00 mm	0.00 mm	
	Feature 14 [2]	Cylindricity	Datum system 1 [3]	0.06 mm	0.00 mm	
	Feature 15	Symmetry	Volume 1 coordinate syst...	0.29 mm	0.00 mm	
	Feature 15 [2]	Perpendicularity	Datum system 1 [3]	0.19 mm	0.00 mm	
	Feature 16	Total run-out	Volume 1 coordinate syst...	52.58 mm	0.00 mm	
	Feature 16 [2]	Flatness	Datum system 1 [3]	0.09 mm	0.00 mm	



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**Scene path:** Volume 1 > Coordinate measurement  
**Section:** Feature table

**Serial number:**  
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Group	Name	Type	Coordinate system	Actual value [mm/deg]	Nominal value [mm/deg]	Tolerance (lo) [mm/deg]
	Feature 17	Distance	Scene coordinate system	92.15 mm	92.00 mm	-0.20 mm
	Feature 17 [2]	Surface profile	Datum system 1 [2]	0.00 mm	0.00 mm	
	Feature 17 [3]	Surface profile	Datum system 1 [3]	3.98 mm	0.00 mm	
	Feature 18	Angle	Scene coordinate system	90.00 deg	90.00 deg	-0.10 deg
	Feature 18 [2]	Line profile	Datum system 1 [2]	0.00 mm	0.00 mm	
	Feature 18 [3]	Line profile	Datum system 1 [3]	3.44 mm	0.00 mm	
	Feature 19	Distance (min perpendic...	Scene coordinate system	99.85 mm	100.00 mm	-0.20 mm
	Feature 20	Distance (max perpendic...	Scene coordinate system	99.88 mm	100.00 mm	-0.20 mm
	Feature 21	Distance (min finite)	Scene coordinate system	99.85 mm	100.00 mm	-0.20 mm
	Feature 22	Distance (mid perpendic...	Scene coordinate system	99.86 mm	100.00 mm	-0.20 mm
	Feature 23	Distance (max finite)	Scene coordinate system	167.05 mm	166.00 mm	-1.00 mm
	Feature 24	Distance (min)	Scene coordinate system	99.85 mm	100.00 mm	-0.20 mm
	Feature 26	Distance (centroid)	Scene coordinate system	100.07 mm	100.00 mm	-0.05 mm
	Feature 27	Diameter	Scene coordinate system	9.01 mm	9.00 mm	-0.05 mm
	Feature 28	Position	Scene coordinate system	122.27 mm	122.00 mm	-0.20 mm
	Feature 29	Distance	Scene coordinate system	99.94 mm	100.00 mm	-0.10 mm
	Feature 30	Position	Scene coordinate system	-121.00 mm	122.00 mm	-0.20 mm
	Feature 31	Distance (min infinite)	Scene coordinate system	100.06 mm	100.06 mm	-0.01 mm

**Project name:** D:/workspace/volume/CMM.vgl  
**Scene path:** Volume 1 > Coordinate measurement  
**Section:** Geometry element table

**Serial number:**  
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Name	Status	Type	Position x [mm]	Position y [mm]	Position z [mm]	Direction x	Direction y	Direction z	Normal x	Normal y	Normal z	Constructi... method
Circle 1	OK	Circle	-12.39	12.45	-121.00				0.00	0.00	1.00	Gauss (lea...
Cone 1	OK	Cone	0.01	0.05	-112.15	0.00	0.00	1.00				Gauss (lea...
Cylinder 1	OK	Cylinder	0.02	0.01	-20.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 1 [...]	OK	Cylinder	0.02	0.01	-20.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 2	OK	Cylinder	25.50	0.03	-39.96	1.00	0.00	0.00				Gauss (lea...
Cylinder 2 [...]	OK	Cylinder	25.50	0.03	-39.96	1.00	0.00	0.00				Gauss (lea...
Cylinder 3	OK	Cylinder	0.01	0.05	-113.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 3 [...]	OK	Cylinder	0.01	0.05	-113.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4	OK	Cylinder	-12.39	12.45	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.39	12.45	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.39	-12.34	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	-12.39	-12.34	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.40	-12.34	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.40	-12.34	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.40	12.45	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 4 [...]	OK	Cylinder	12.40	12.45	-121.00	0.00	0.00	1.00				Gauss (lea...
Cylinder 5	OK	Cylinder	-20.01	40.01	-79.80	0.00	1.00	-0.03				Gauss (lea...
Cylinder 5 [...]	OK	Cylinder	-20.01	40.01	-79.80	0.00	1.00	-0.03				Gauss (lea...
Freeform li...	OK	Freeform li...										Prescribed ...
Freeform li...	OK	Freeform li...										Prescribed ...
Freeform s...	OK	Freeform s...										Prescribed ...
Freeform s...	OK	Freeform s...										Prescribed ...
Line 1	OK	Line	50.04	32.30	-45.58	0.00	-0.15	0.99				Gauss (lea...
Line 2	OK	Line	-50.01	2.12	-59.27	0.00	0.79	-0.62				Gauss (lea...
Plane 1	OK	Plane	0.00	5.00	-99.91				0.00	0.00	-1.00	Gauss (lea...
Plane 1 [2]	OK	Plane	0.00	5.00	-99.91				0.00	0.00	-1.00	Gauss (lea...
Plane 2	OK	Plane	-7.50	-39.95	-54.00				0.00	-1.00	0.00	Gauss (lea...
Plane 2 [2]	OK	Plane	-7.50	-39.95	-54.00				0.00	-1.00	0.00	Gauss (lea...
Plane 3	OK	Plane	43.00	-30.01	-50.00				0.00	-1.00	0.00	Gauss (lea...
Plane 3 [2]	OK	Plane	43.00	-30.01	-50.00				0.00	-1.00	0.00	Gauss (lea...
Plane 4	OK	Plane	34.99	-35.50	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 4 [2]	OK	Plane	34.99	-35.50	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 5	OK	Plane	50.04	10.00	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 5 [2]	OK	Plane	50.04	10.00	-50.00				1.00	0.00	0.00	Gauss (lea...
Plane 6	OK	Plane	0.00	9.00	-0.05				0.00	0.00	1.00	Gauss (lea...
Plane 6 [2]	OK	Plane	0.00	9.00	-0.05				0.00	0.00	1.00	Gauss (lea...
Plane 7	OK	Plane	-7.50	-35.94	-4.06				0.00	-0.71	0.71	Gauss (lea...
Plane 7 [2]	OK	Plane	-7.50	-35.94	-4.06				0.00	-0.71	0.71	Gauss (lea...

Name	Status	Type	Position x [mm]	Position y [mm]	Position z [mm]	Direction x	Direction y	Direction z	Normal x	Normal y	Normal z	Constructi... method
Plane 8	OK	Plane	-50.02	5.00	-50.00				-1.00	0.00	0.00	Gauss (lea...
Plane 8 [2]	OK	Plane	-50.02	5.00	-50.00				-1.00	0.00	0.00	Gauss (lea...
Plane 9	OK	Plane	0.00	0.00	-124.96				0.00	0.00	-1.00	Gauss (lea...
Plane 9 [2]	OK	Plane	0.00	0.00	-124.96				0.00	0.00	-1.00	Gauss (lea...
Plane 10	OK	Plane	0.00	49.91	-50.00				0.00	1.00	0.00	Gauss (lea...
Plane 10 [2]	OK	Plane	0.00	49.91	-50.00				0.00	1.00	0.00	Gauss (lea...
Sphere 1	OK	Sphere	10.03	-44.97	-30.03							Gauss (lea...