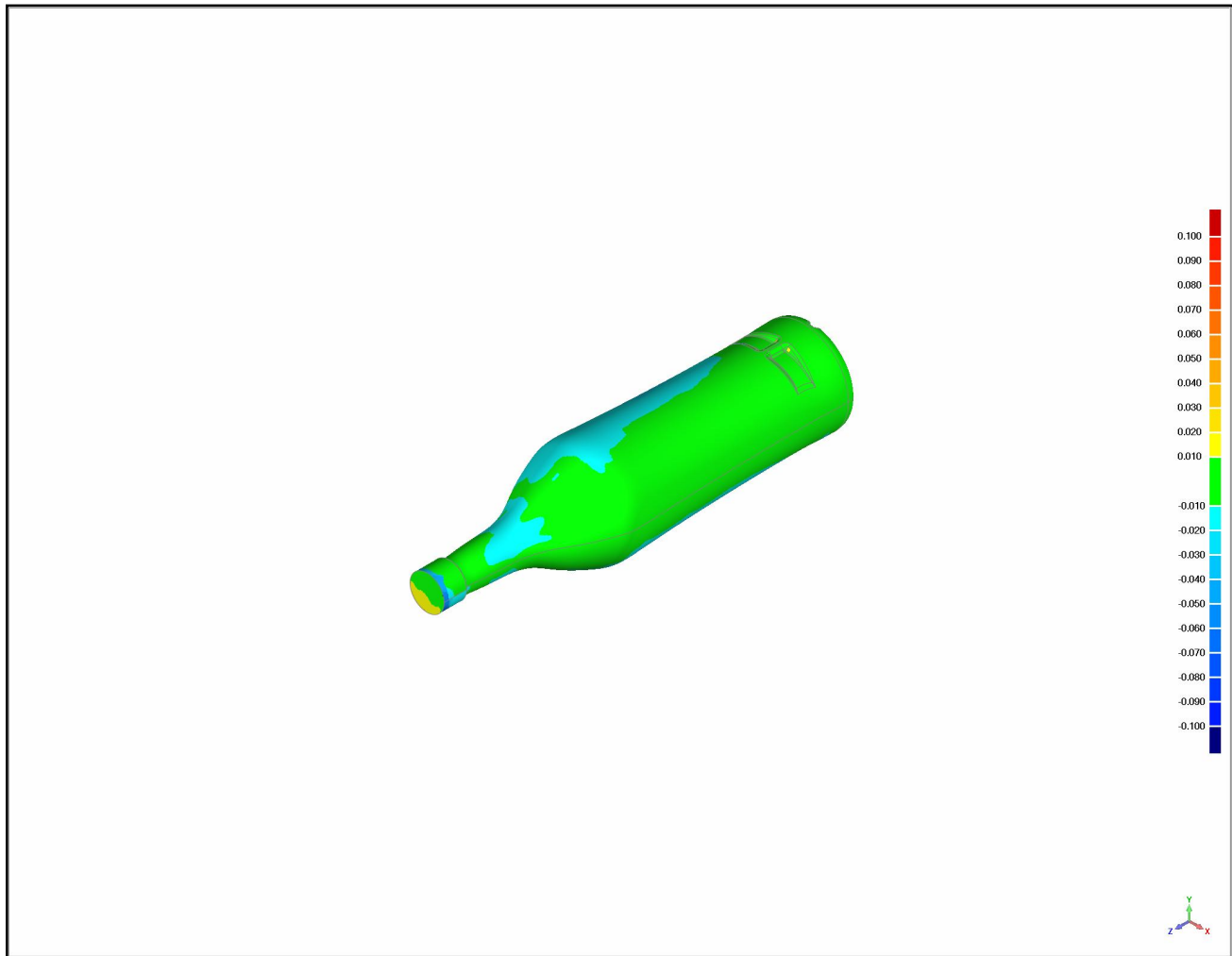


Bottle_Inspection

Date Inspected: 6/11/2012
Date Generated: 6/11/2012, 11:53 am



Reference Model: glass_bottle
Test Model: Merged Points 1

Alignment Statistics

Alignment Name: Best fit alignment: glass_bottle (2)

RMS Error: 0.012673867in

Model Max. Length: 12.615031114in

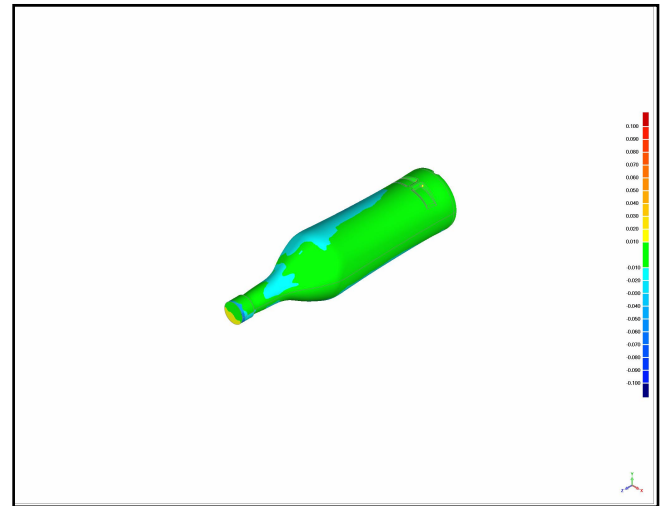
Average Error: 0.007969510in

3D Comparison Results

Reference Model	glass_bottle
Test Model	Merged Points 1
No. of Data Points	1704354
# Outliers	25666

Tolerance Type	3D Deviation
Units	in
Max. Critical	0.100
Max. Nominal	0.010
Min. Nominal	-0.010
Min. Critical	-0.100

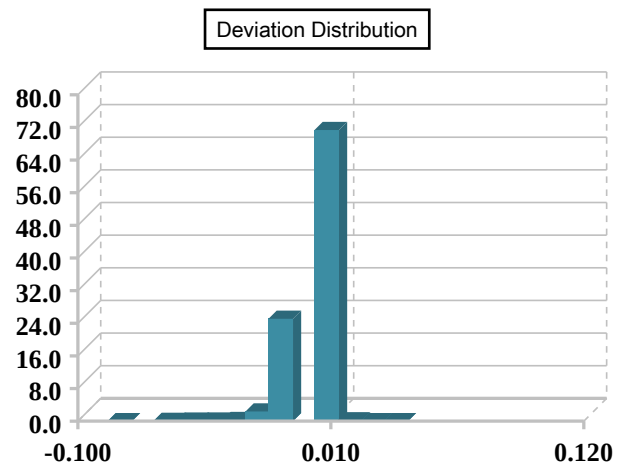
Deviation	
Max. Upper Dev.	0.787
Max. Lower Dev.	-0.778
Average Deviation	0.003 / -0.009
Standard Deviation	0.028



Deviation Distribution

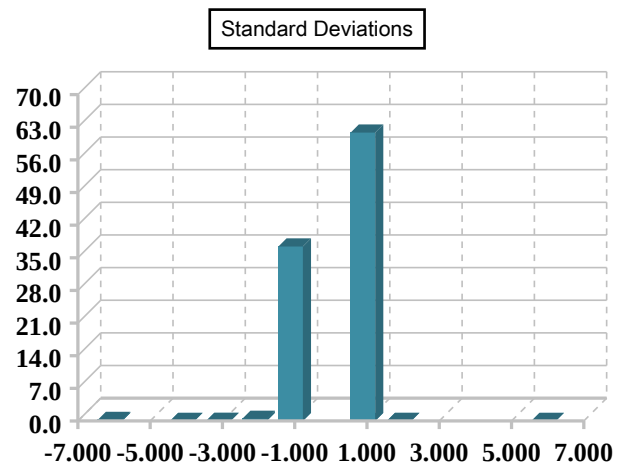
>=Min	<Max	# Points	%
-0.100	-0.090	3	0.000
-0.090	-0.080	70	0.004
-0.080	-0.070	7	0.000
-0.070	-0.060	1383	0.081
-0.060	-0.050	2517	0.148
-0.050	-0.040	2768	0.162
-0.040	-0.030	4950	0.290
-0.030	-0.020	40667	2.386
-0.020	-0.010	427861	25.104
-0.010	0.010	1216342	71.367
0.010	0.020	3747	0.220
0.020	0.030	93	0.005
0.030	0.040	52	0.003
0.040	0.050	0	0.000
0.050	0.060	0	0.000
0.060	0.070	2	0.000
0.070	0.080	0	0.000
0.080	0.090	0	0.000
0.090	0.100	0	0.000

Out of Upper Critical	10	0.001
Out of Lower Critical	3882	0.228

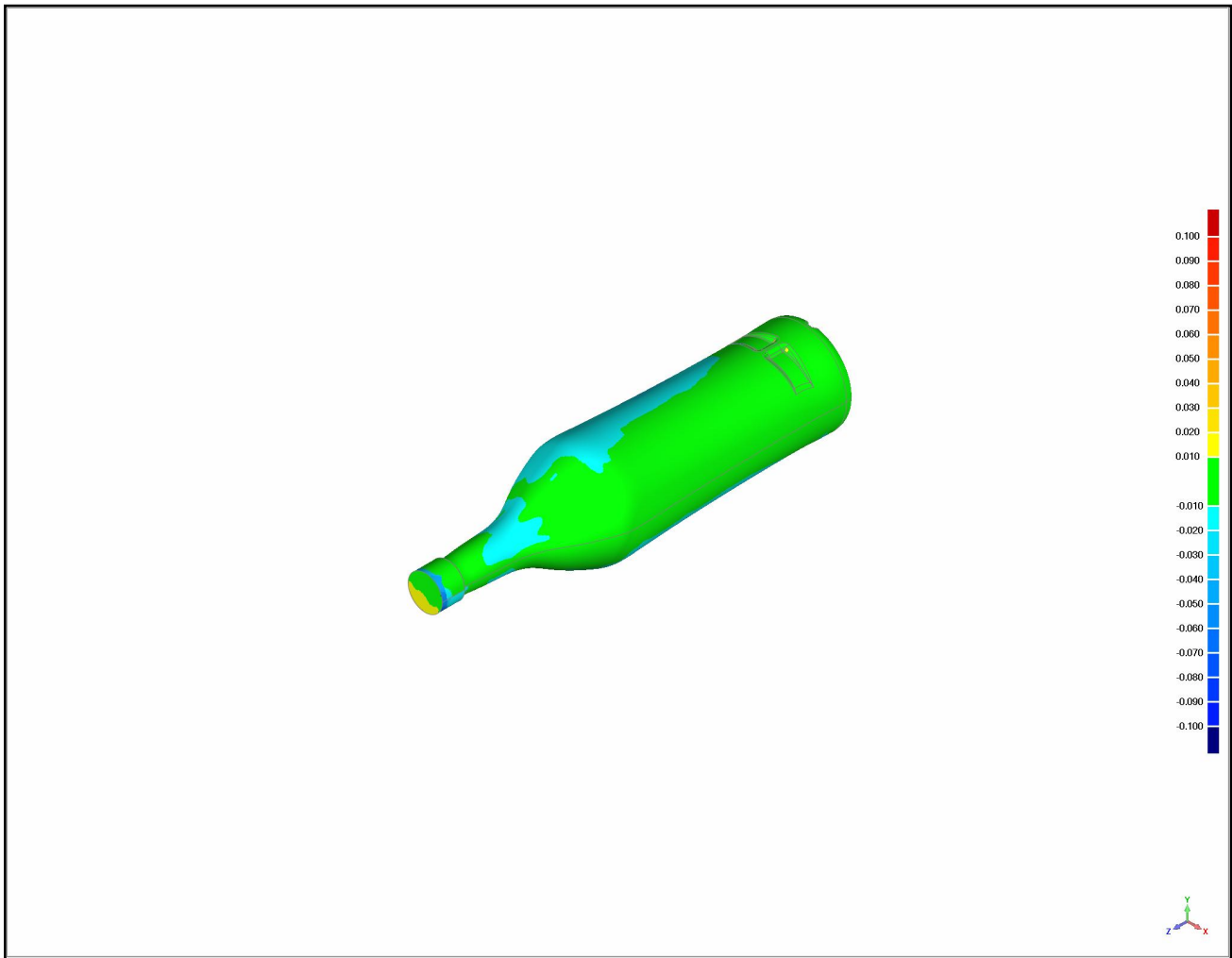


Standard Deviations

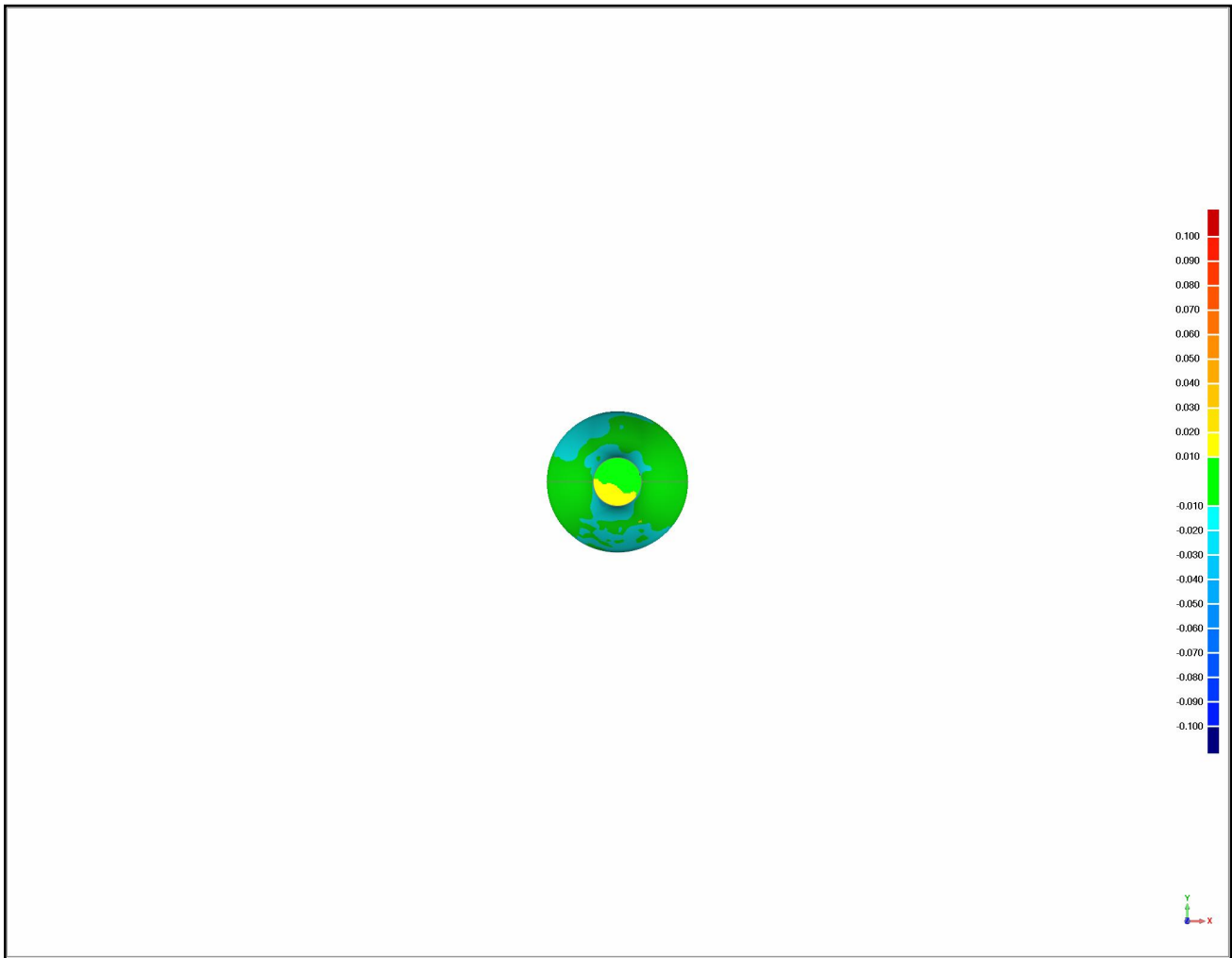
Distribution (+/-)	# Points	%
-6 * Std. Dev.	3865	0.227
-5 * Std. Dev.	0	0.000
-4 * Std. Dev.	20	0.001
-3 * Std. Dev.	376	0.022
-2 * Std. Dev.	7938	0.466
-1 * Std. Dev.	637820	37.423
1 * Std. Dev.	1054175	61.852
2 * Std. Dev.	148	0.009
3 * Std. Dev.	2	0.000
4 * Std. Dev.	0	0.000
5 * Std. Dev.	0	0.000
6 * Std. Dev.	10	0.001



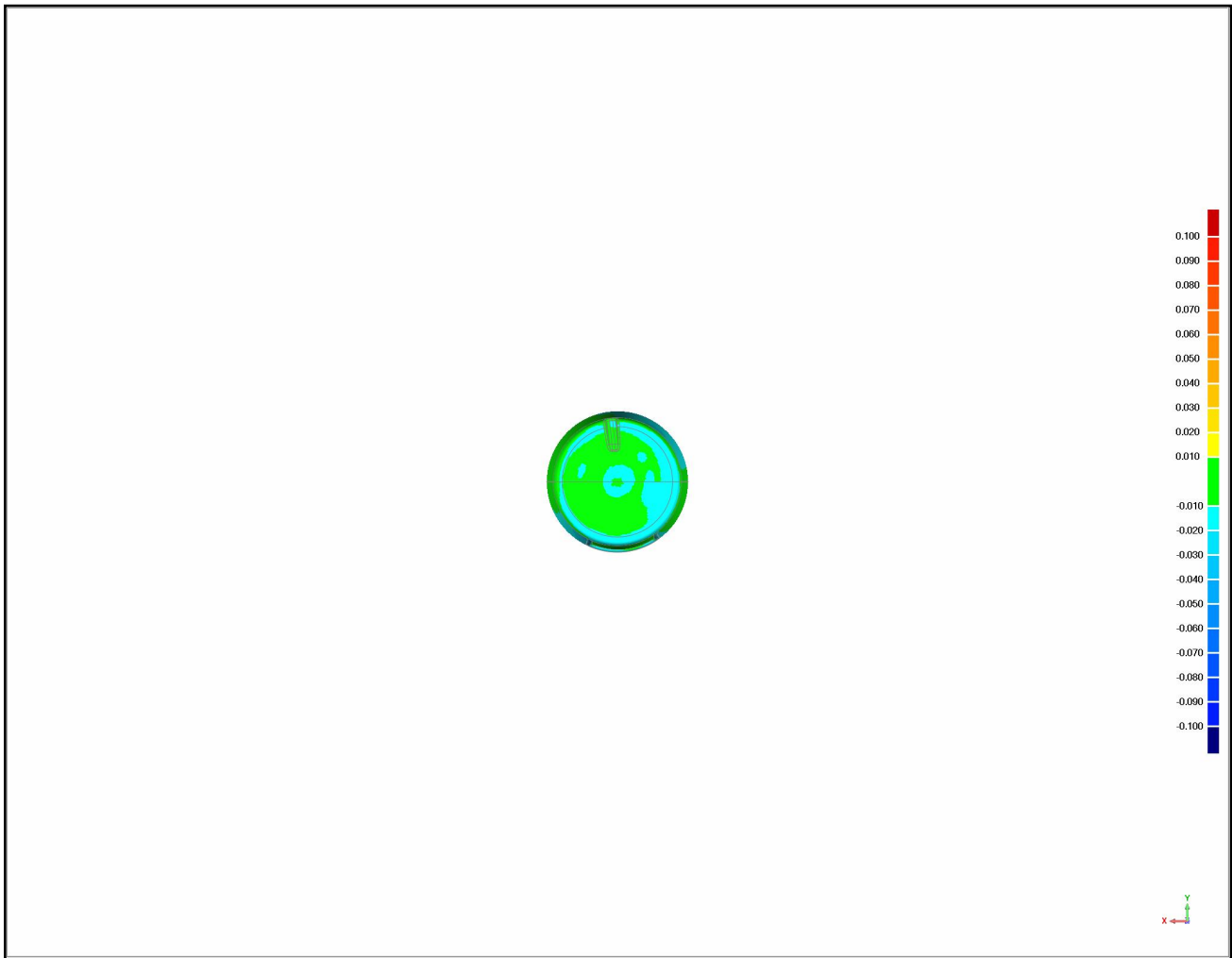
Predefined: Isometric



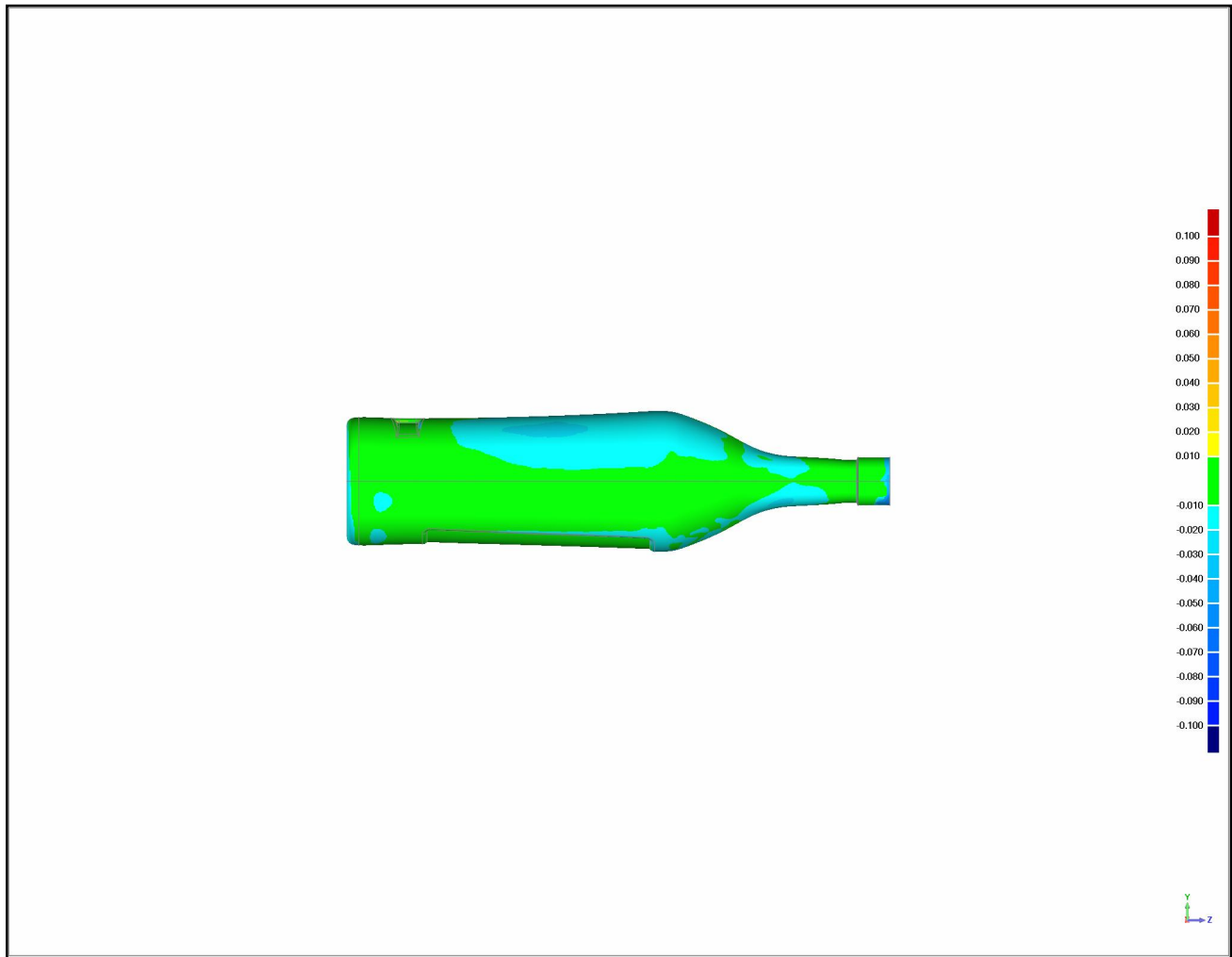
Predefined: Front



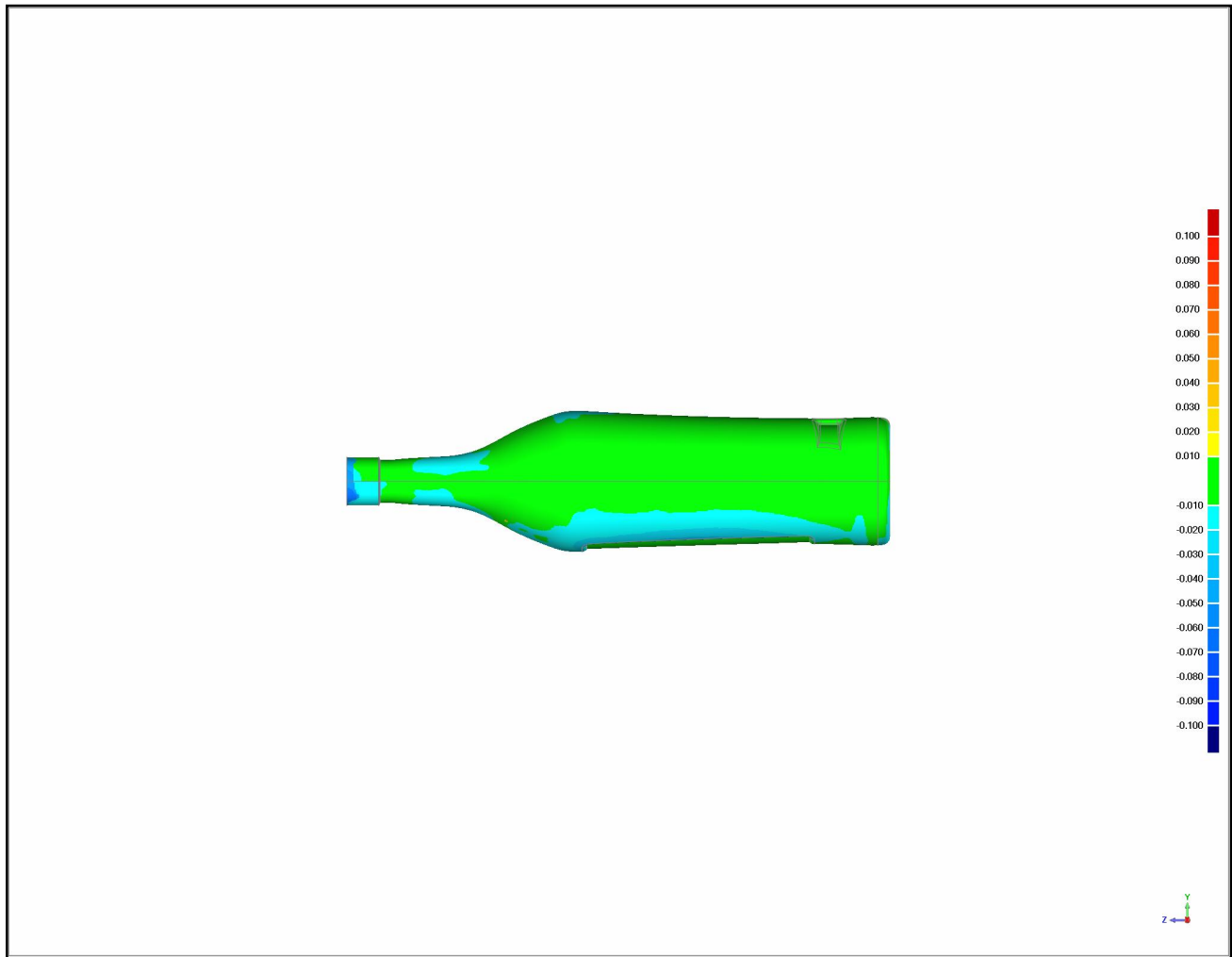
Predefined: Back



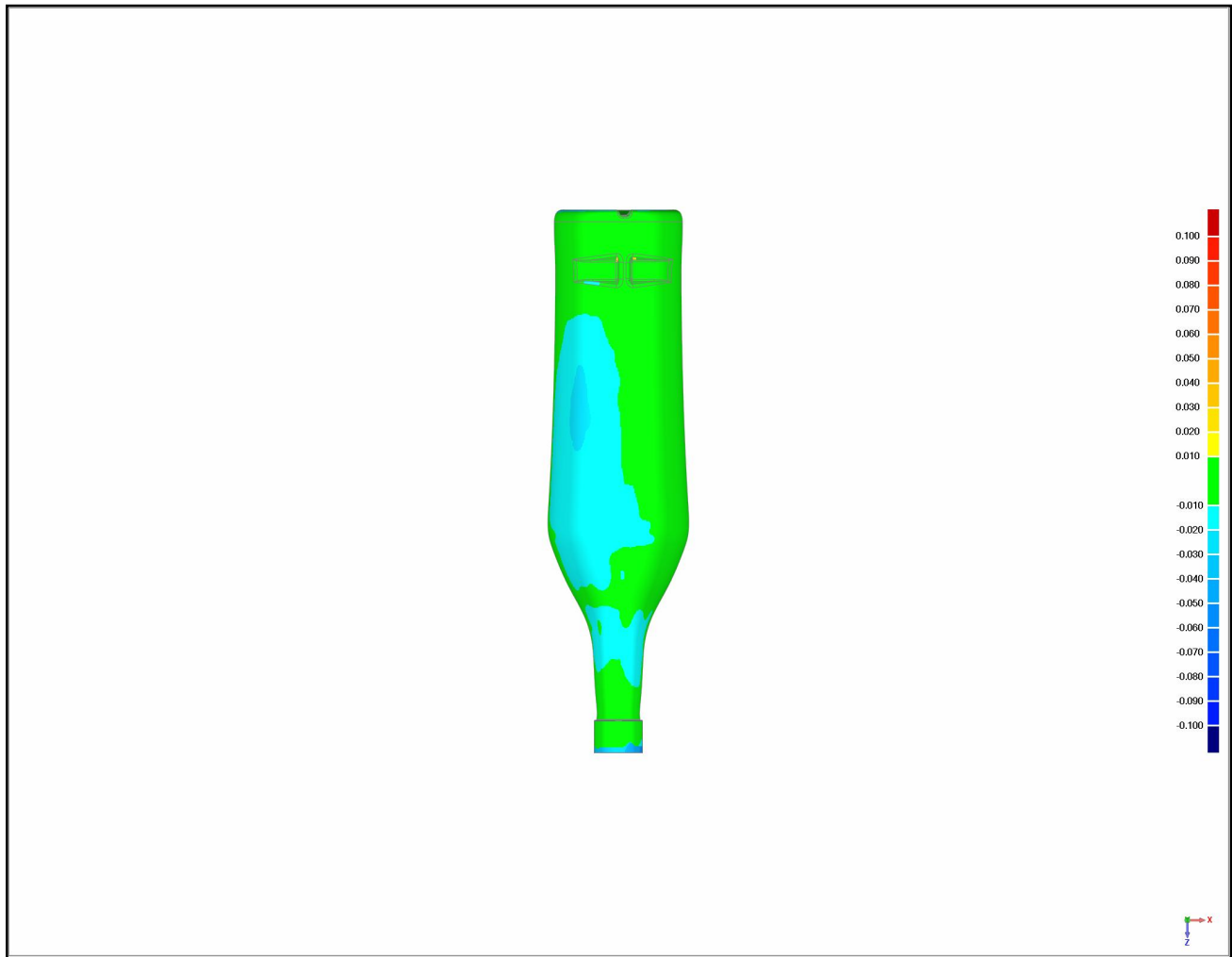
Predefined: Left



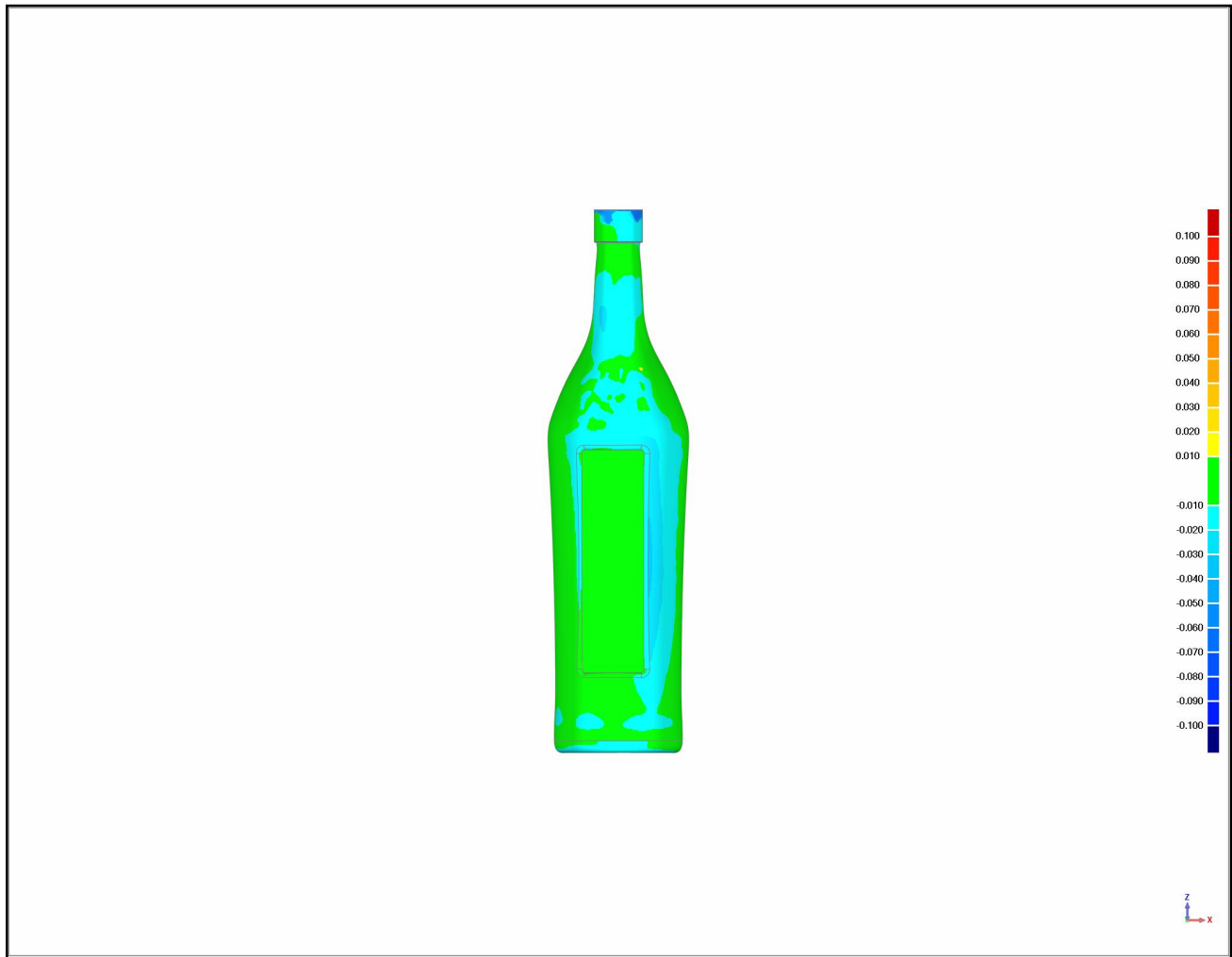
Predefined: Right



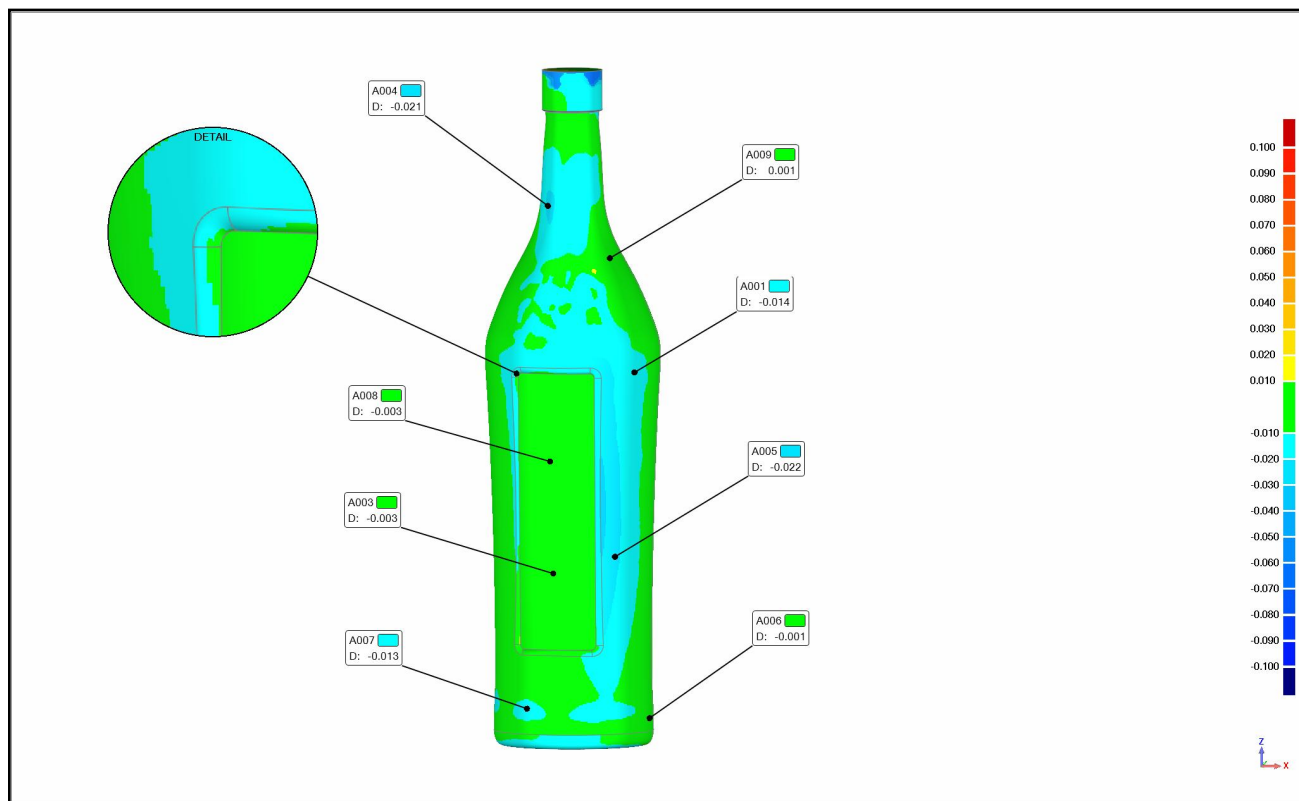
Predefined: Top



Predefined: Bottom



Annotated: Annotation View 1

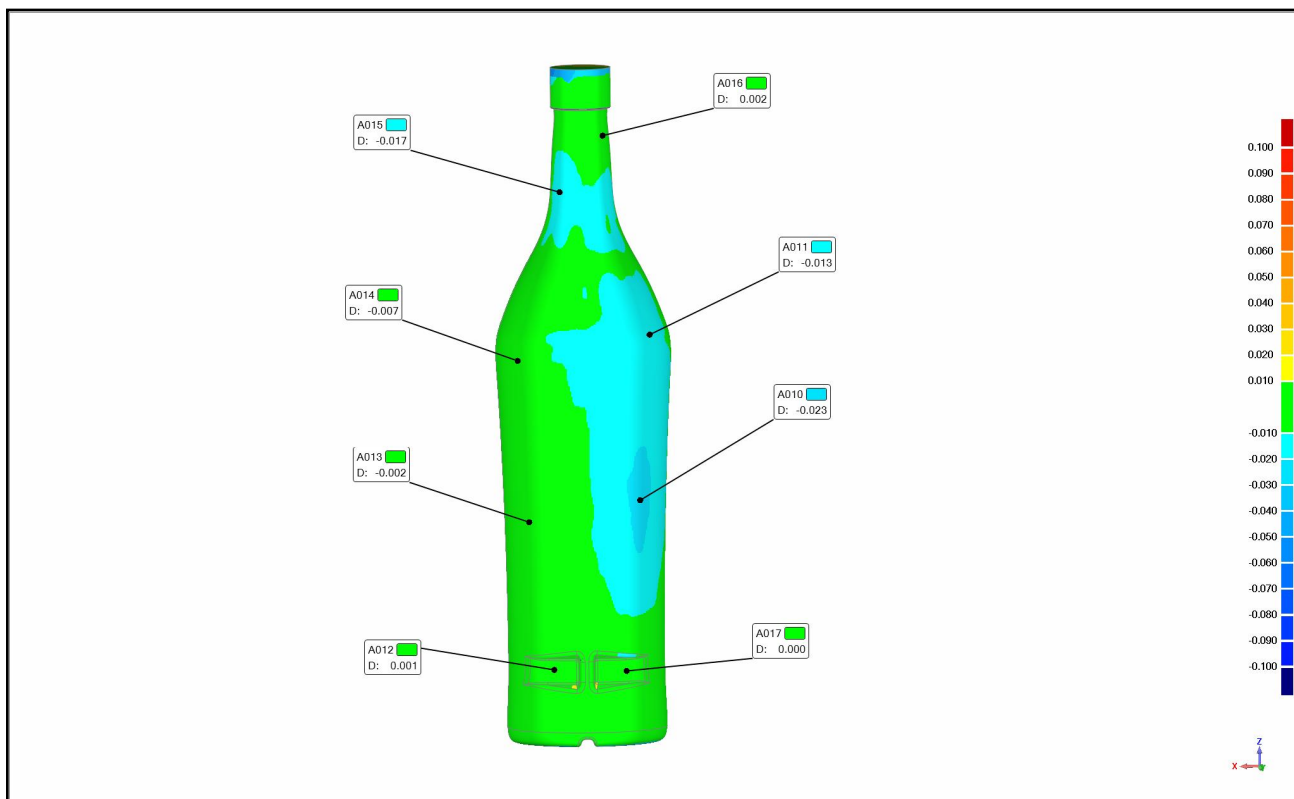


Units: in

CSYS: Annotation View 1

Name	Dev	Status	Upper Tol.	Lower Tol.	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Measured X	Measured Y	Measured Z	Normal X	Normal Y	Normal Z
A001	-0.014	PASS	0.020	-0.020	1.293	-0.993	1.162	0.039	-0.011	0.008	0.001	1.282	-0.985	1.163	0.794	-0.606	-0.044
A003	-0.003	PASS	0.020	-0.020	-0.186	-1.446	-2.577	0.039	0.000	0.003	0.000	-0.186	-1.443	-2.577	-0.123	-0.992	-0.033
A004	-0.021	FAIL	0.020	-0.020	-0.401	-0.451	4.227	0.039	0.014	0.016	-0.003	-0.387	-0.436	4.224	-0.656	-0.742	0.134
A005	-0.022	FAIL	0.020	-0.020	0.938	-1.154	-2.277	0.039	-0.014	0.017	0.001	0.924	-1.137	-2.276	0.634	-0.773	-0.023
A006	-0.001	PASS	0.020	-0.020	1.463	-0.279	-5.353	0.039	-0.001	0.000	-0.000	1.462	-0.278	-5.353	0.982	-0.189	0.023
A007	-0.013	PASS	0.020	-0.020	-0.706	-1.301	-5.119	0.039	0.006	0.011	-0.001	-0.700	-1.290	-5.119	-0.473	-0.880	0.045
A008	-0.003	PASS	0.020	-0.020	-0.232	-1.502	-0.477	0.039	0.000	0.003	0.000	-0.232	-1.499	-0.477	-0.145	-0.989	-0.031
A009	0.001	PASS	0.020	-0.020	0.772	-0.545	3.262	0.039	0.001	-0.001	0.001	0.773	-0.545	3.263	0.720	-0.503	0.478
DETAIL					-0.880	-1.346	1.153								-0.145	-0.909	-0.391

Annotated: Annotation View 2



Units: in

CSYS: Annotation View 2

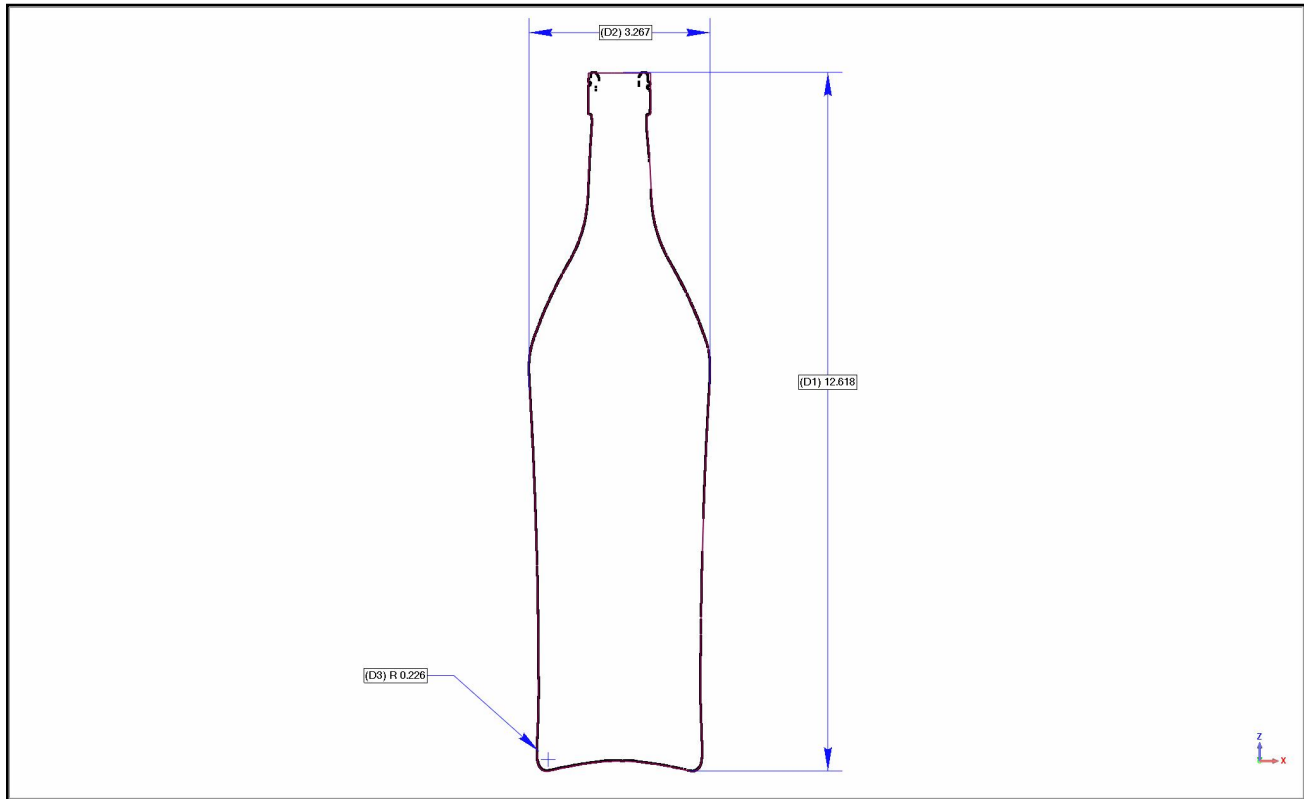
Name	Dev	Status	Upper Tol.	Lower Tol.	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Measured X	Measured Y	Measured Z	Normal X	Normal Y	Normal Z
A010	-0.023	FAIL	0.020	-0.020	-0.912	1.210	-1.284	0.039	0.014	-0.018	0.001	-0.898	1.192	-1.283	-0.605	0.796	-0.038
A011	-0.013	FAIL	0.020	0.020	-1.134	1.117	1.803	0.039	0.009	-0.009	-0.003	-1.125	1.109	1.800	-0.693	0.676	0.251
A012	0.001	PASS	0.020	-0.020	0.734	1.191	-4.429	0.039	0.000	0.001	-0.000	0.734	1.192	-4.429	0.425	0.905	-0.002
A013	-0.002	PASS	0.020	-0.020	1.150	0.967	-1.674	0.039	-0.002	-0.001	0.000	1.149	0.966	-1.674	0.768	0.640	-0.028
A014	-0.007	PASS	0.020	-0.020	1.330	0.954	1.349	0.039	-0.006	-0.004	0.000	1.325	0.950	1.349	0.809	0.588	-0.011
A015	-0.017	PASS	0.020	-0.020	0.447	0.373	4.440	0.039	-0.013	-0.010	-0.001	0.434	0.363	4.439	0.776	0.627	0.077
A016	0.002	PASS	0.020	-0.020	-0.371	0.362	5.482	0.039	-0.001	0.001	0.000	-0.373	0.363	5.482	-0.721	0.690	0.066
A017	0.000	PASS	0.020	-0.020	-0.613	1.274	-4.469	0.039	-0.000	0.000	0.000	-0.613	1.274	-4.469	-0.319	0.948	0.003

Annotated: All

Units: in

Name	Dev	Status	Upper Tol.	Lower Tol.	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Measured X	Measured Y	Measured Z	Normal X	Normal Y	Normal Z
A001	-0.014	PASS	0.020	-0.020	1.293	-0.993	1.162	0.039	-0.011	0.008	0.001	1.282	-0.985	1.163	0.794	-0.606	-0.044
A003	-0.003	PASS	0.020	-0.020	-0.186	-1.446	-2.577	0.039	0.000	0.003	0.000	-0.186	-1.443	-2.577	-0.123	-0.992	-0.033
A004	-0.021	FAIL	0.020	-0.020	-0.401	-0.451	4.227	0.039	0.014	0.016	-0.003	-0.387	-0.436	4.224	-0.656	-0.742	0.134
A005	-0.022	FAIL	0.020	-0.020	0.938	-1.154	-2.277	0.039	-0.014	0.017	0.001	0.924	-1.137	-2.276	0.634	-0.773	-0.023
A006	-0.001	PASS	0.020	-0.020	1.463	-0.279	-5.353	0.039	-0.001	0.000	-0.000	1.462	-0.278	-5.353	0.982	-0.189	0.023
A007	-0.013	PASS	0.020	-0.020	-0.706	-1.301	-5.119	0.039	0.006	0.011	-0.001	-0.700	-1.290	-5.119	-0.473	-0.880	0.045
A008	-0.003	PASS	0.020	-0.020	-0.232	-1.502	-0.477	0.039	0.000	0.003	0.000	-0.232	-1.499	-0.477	-0.145	-0.989	-0.031
A009	0.001	PASS	0.020	-0.020	0.772	-0.545	3.262	0.039	0.001	-0.001	0.001	0.773	-0.545	3.263	0.720	-0.503	0.478
A010	-0.023	FAIL	0.020	-0.020	-0.912	1.210	-1.284	0.039	0.014	-0.018	0.001	-0.898	1.192	-1.283	-0.605	0.796	-0.038
A011	-0.013	FAIL	0.020	0.020	-1.134	1.117	1.803	0.039	0.009	-0.009	-0.003	-1.125	1.109	1.800	-0.693	0.676	0.251
A012	0.001	PASS	0.020	-0.020	0.734	1.191	-4.429	0.039	0.000	0.001	-0.000	0.734	1.192	-4.429	0.425	0.905	-0.002
A013	-0.002	PASS	0.020	-0.020	1.150	0.967	-1.674	0.039	-0.002	-0.001	0.000	1.149	0.966	-1.674	0.768	0.640	-0.028
A014	-0.007	PASS	0.020	-0.020	1.330	0.954	1.349	0.039	-0.006	-0.004	0.000	1.325	0.950	1.349	0.809	0.588	-0.011
A015	-0.017	PASS	0.020	-0.020	0.447	0.373	4.440	0.039	-0.013	-0.010	-0.001	0.434	0.363	4.439	0.776	0.627	0.077
A016	0.002	PASS	0.020	-0.020	-0.371	0.362	5.482	0.039	-0.001	0.001	0.000	-0.373	0.363	5.482	-0.721	0.690	0.066
A017	0.000	PASS	0.020	-0.020	-0.613	1.274	-4.469	0.039	-0.000	0.000	0.000	-0.613	1.274	-4.469	-0.319	0.948	0.003
DETAIL					-0.880	-1.346	1.153								-0.145	-0.909	-0.391

Dimension 2D: Section A-A



Units: in

CSYS: World CSYS

Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
D1	12.618	12.615	0.003	PASS	0.020	-0.020
D2	3.267	3.275	-0.009	PASS	0.020	-0.020
D3	0.226	0.233	-0.008	PASS	0.010	-0.010