

Alignment Summary

Company Name: Acme Corporation
Address: 5 Main St.
City: Downtown
State/ Province / Zip: ID
User Name: Bob
Comments: Looking good!

Country: USA
Station / Location: Plane 2

Flatness

Surface 10107 In (TIR)
Surface 2, Way 10090 In (TIR)
Surface 2, Way 20087 In (TIR)
Surface 30091 In (TIR)

Slope of Best Fit Plane relative to Laser Plane

Surface 1 (X Slope)000994 In/Ft, 17.1 arc secs.
Surface 1 (Y Slope)000758 In/Ft, 13.0 arc secs.
Surface 2, Way 1 (X Slope)000107 In/Ft, 1.8 arc secs.
Surface 2, Way 1 (Y Slope)	-.001076 In/Ft, -18.5 arc secs.
Surface 2, Way 2 (X Slope)	-.000074 In/Ft, -1.3 arc secs.
Surface 2, Way 2 (Y Slope)	-.001046 In/Ft, -18.0 arc secs.
Surface 3 (X Slope)	-.001113 In/Ft, -19.1 arc secs.
Surface 3 (Y Slope)	-.000705 In/Ft, -12.1 arc secs.

NOTE: Slope is positive when the surface rises away from the origin

Squareness (Perpendicularity)

'Surface 1' TO 'Surface 2, Way 1'	-.000318 In/Ft, -5.5 arc secs., Leaning Away from each other
'Surface 1' TO 'Surface 2, Way 2'	-.000289 In/Ft, -5.0 arc secs., Leaning Away from each other
'Surface 1' TO 'Surface 3'000288 In/Ft, 5.0 arc secs., Leaning Towards each other
'Surface 2, Way 1' TO 'Surface 3'	-.001006 In/Ft, -17.3 arc secs., Leaning Away from each other
'Surface 2, Way 2' TO 'Surface 3'	-.001187 In/Ft, -20.4 arc secs., Leaning Away from each other

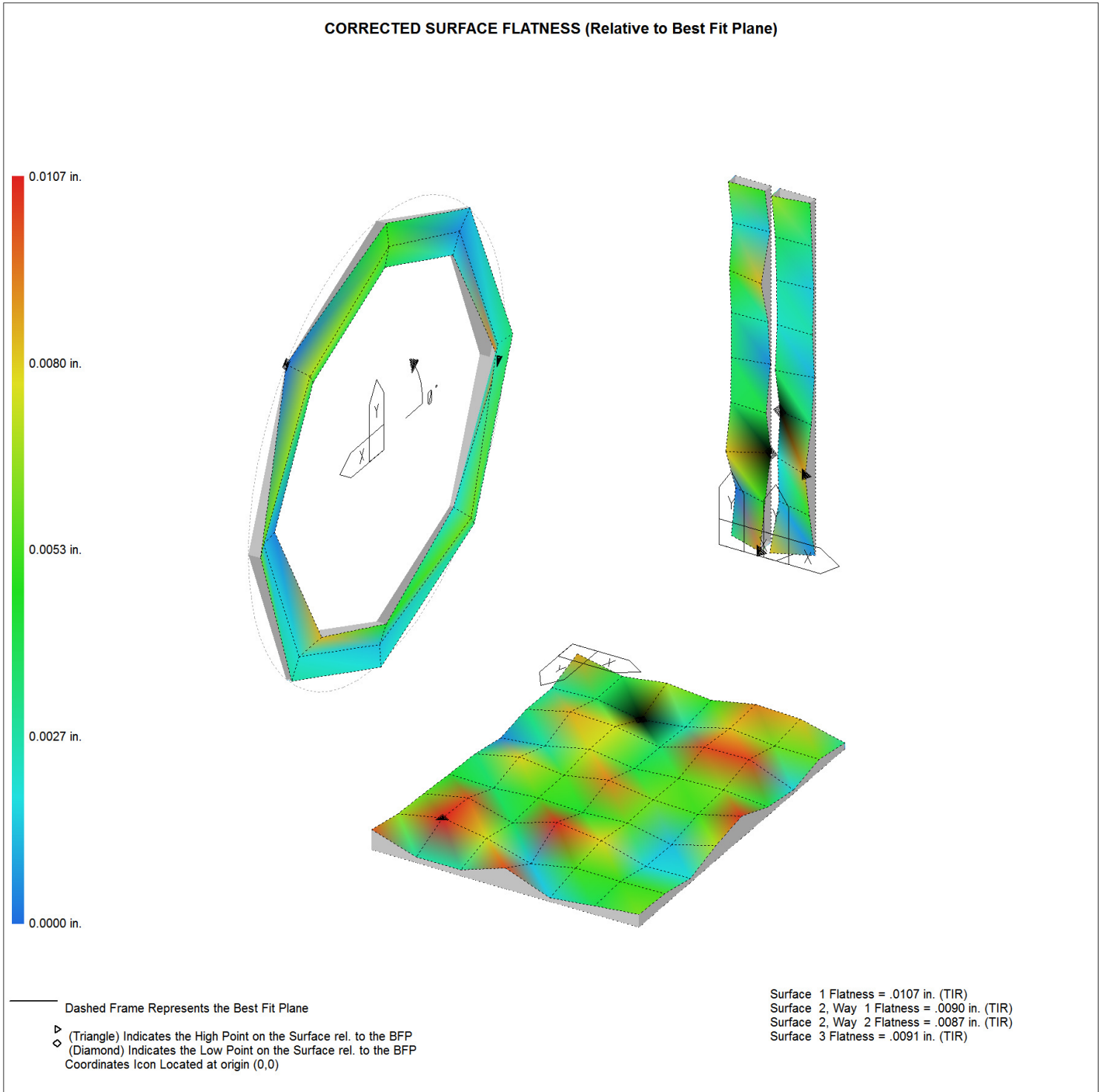
Ways/Columns Parallelism

Surface 2, Way 1' TO 'Surface 2, Way 2'(X Dir.)000181 In/Ft, 3.1 arc secs.
Surface 2, Way 1' TO 'Surface 2, Way 2'(Y Dir.)	-.000030 In/Ft, -0.5 arc secs.

Surface Plot

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HAMAR LASER - Plane 5 Report

Surface 1 (Surface 1)

X distance	Y distance	Raw Flatness Data	Corrected Flatness*	Comments
0	0	-.0010	.0031	
0	10.0	-.0063	-.0027	
0	20.0	-.0051	-.0022	
0	30.0	-.0074	-.0052	
0	40.0	-.0037	-.0021	
0	50.0	-.0021	-.0011	
0	60.0	-.0001	.0002	
0	70.0	.0013	.0010	
0	80.0	.0052	.0043	
10.0	0	-.0048	-.0015	
10.0	10.0	-.0044	-.0017	
10.0	20.0	.0009	.0029	
10.0	30.0	-.0043	-.0028	
10.0	40.0	.0015	.0024	
10.0	50.0	-.0020	-.0019	
10.0	60.0	.0048	.0044	
10.0	70.0	.0062	.0051	
10.0	80.0	-.0011	-.0028	
20.0	0	-.0011	.0014	
20.0	10.0	-.0074	-.0056	
20.0	20.0	.0007	.0020	
20.0	30.0	.0012	.0018	
20.0	40.0	.0000	.0000	
20.0	50.0	.0003	-.0004	
20.0	60.0	-.0003	-.0016	
20.0	70.0	.0038	.0019	
20.0	80.0	-.0002	-.0027	
30.0	0	-.0022	-.0005	
30.0	10.0	-.0040	-.0029	
30.0	20.0	-.0023	-.0019	
30.0	30.0	-.0011	-.0013	
30.0	40.0	.0044	.0036	
30.0	50.0	.0004	-.0010	
30.0	60.0	.0071	.0050	
30.0	70.0	-.0015	-.0042	
30.0	80.0	.0078	.0044	
40.0	0	.0027	.0036	
40.0	10.0	.0024	.0026	
40.0	20.0	.0048	.0044	
40.0	30.0	.0010	.0000	
40.0	40.0	.0022	.0005	
40.0	50.0	.0025	.0002	
40.0	60.0	.0053	.0023	
40.0	70.0	.0033	-.0002	
40.0	80.0	.0002	-.0040	
50.0	0	.0027	.0027	
50.0	10.0	.0011	.0005	
50.0	20.0	.0058	.0046	
50.0	30.0	.0025	.0007	
50.0	40.0	.0022	-.0003	
50.0	50.0	-.0011	-.0043	
50.0	60.0	-.0002	-.0039	
50.0	70.0	.0039	-.0005	
50.0	80.0	.0034	-.0016	
60.0	0	-.0018	-.0026	
60.0	10.0	.0016	.0002	
60.0	20.0	-.0019	-.0040	

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Notes:
 'Corrected Flatness' = Surface Deviation (Z) from the Best Fit Plane at each X,Y location
 'Raw Flatness Data' = Target measurements, as recorded
 *Surface Data Shifted Up. Low Point=0, all other points Positive

HAMAR LASER - Plane 5 Report

Surface 1 (Surface 1)

X distance	Y distance	Raw Flatness Data	Corrected Flatness*	Comments
60.0	30.0	.0014	-.0013	
60.0	40.0	.0082	.0049	
60.0	50.0	.0055	.0015	
60.0	60.0	.0010	-.0036	
60.0	70.0	.0050	-.0002	
60.0	80.0	.0064	.0006	

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HAMAR LASER - Plane 5 Report

Surface 2, Way 1 (Surface 2, Way 1)

X distance	Y distance	Raw Flatness Data	Corrected Flatness*	Comments
0	80.0	-.0036	.0021	
0	70.0	-.0064	-.0015	
0	60.0	-.0029	.0011	
0	50.0	-.0037	-.0007	
0	40.0	-.0026	-.0004	
0	30.0	-.0014	-.0001	
0	20.0	.0039	.0042	
0	10.0	-.0034	-.0039	
0	0	.0006	-.0008	
8.0	80.0	-.0047	.0010	
8.0	70.0	-.0075	-.0027	
8.0	60.0	.0005	.0044	
8.0	50.0	-.0046	-.0016	
8.0	40.0	-.0056	-.0035	
8.0	30.0	-.0010	.0002	
8.0	20.0	-.0043	-.0040	
8.0	10.0	.0015	.0010	
8.0	0	.0065	.0050	

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Surface 2, Way 2 (Surface 2, Way 2)

X distance	Y distance	Raw Flatness Data	Corrected Flatness*	Comments
0	80.0	-.0033	.0034	
0	70.0	-.0054	.0004	
0	60.0	-.0056	-.0007	
0	50.0	-.0053	-.0012	
0	40.0	-.0028	.0004	
0	30.0	-.0056	-.0033	
0	20.0	-.0030	-.0015	
0	10.0	-.0029	-.0023	
0	0	.0051	.0048	
8.0	80.0	-.0057	.0011	
8.0	70.0	-.0062	-.0004	
8.0	60.0	-.0069	-.0019	
8.0	50.0	-.0049	-.0008	
8.0	40.0	-.0055	-.0022	
8.0	30.0	-.0023	.0001	
8.0	20.0	.0038	.0053	
8.0	10.0	.0011	.0017	
8.0	0	-.0026	-.0028	

Notes:

'Corrected Flatness' = Surface Deviation (Z) from the Best Fit Plane at each X,Y location

'Raw Flatness Data' = Target measurements, as recorded

*Surface Data Shifted Up. Low Point=0, all other points Positive

Surface 3 (Surface 3)

X distance	Y distance	Raw Flatness Data	Corrected Flatness*	Comments
-40.0	0	-.0001	.0056	R 40.0 @ 0.00°
-28.3	28.3	-.0103	-.0018	R 40.0 @ 45.00°
0	40.0	-.0113	.0005	R 40.0 @ 90.00°
28.3	28.3	-.0131	.0007	R 40.0 @ 135.00°
40.0	0	-.0163	-.0031	R 40.0 @ 180.00°
28.3	-28.3	-.0055	.0049	R 40.0 @ 225.00°
0	-40.0	-.0060	.0011	R 40.0 @ 270.00°
-28.3	-28.3	-.0067	-.0015	R 40.0 @ 315.00°
-45.0	0	-.0065	-.0012	R 45.0 @ 0.00°
-31.8	31.8	-.0113	-.0029	R 45.0 @ 45.00°
0	45.0	-.0099	.0022	R 45.0 @ 90.00°
31.8	31.8	-.0107	.0036	R 45.0 @ 135.00°
45.0	0	-.0159	-.0022	R 45.0 @ 180.00°
31.8	-31.8	-.0120	-.0015	R 45.0 @ 225.00°
0	-45.0	-.0090	-.0021	R 45.0 @ 270.00°
-31.8	-31.8	-.0021	.0026	R 45.0 @ 315.00°
-50.0	0	-.0048	.0000	R 50.0 @ 0.00°
-35.4	35.4	-.0106	-.0023	R 50.0 @ 45.00°
0	50.0	-.0112	.0012	R 50.0 @ 90.00°
35.4	35.4	-.0183	-.0035	R 50.0 @ 135.00°
50.0	0	-.0117	.0024	R 50.0 @ 180.00°
35.4	-35.4	-.0114	-.0008	R 50.0 @ 225.00°
0	-50.0	-.0081	-.0016	R 50.0 @ 270.00°
-35.4	-35.4	-.0044	-.0003	R 50.0 @ 315.00°

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