

HAMAR LASER - Plane 5 Report

Project: 26-Sep-08@10h09m
Prepared on 9/26/2008 at 10:18:09 AM
Alignment Summary

Page 1

Company Name: XYZ Company
Address: Main Street
City: Danbury
State/ Province / Zip: CT
User Name: Bob
Comments: Out of spec!

Country: USA
Station / Location: Plant 2

Flatness

Surface 103006 In (TIR)
Surface 202847 In (TIR)

Slope of Best Fit Plane relative to Laser Plane

Surface 1 (X slope)0008846 In/Ft, 15.2 arc secs.
Surface 1 (Y slope)0011499 In/Ft, 19.8 arc secs.
Surface 2 (X slope)0014861 In/Ft, 25.5 arc secs.
Surface 2 (Y slope)0011445 In/Ft, 19.7 arc secs.

NOTE: Slope is positive when the surface rises away from the origin(x=0,y=0)

Parallelism

'Surface 1' TO 'Surface 2' (X Direction) -.0006015 In/Ft
'Surface 1' TO 'Surface 2' (Y Direction) -.0022944 In/Ft

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Surface Plot

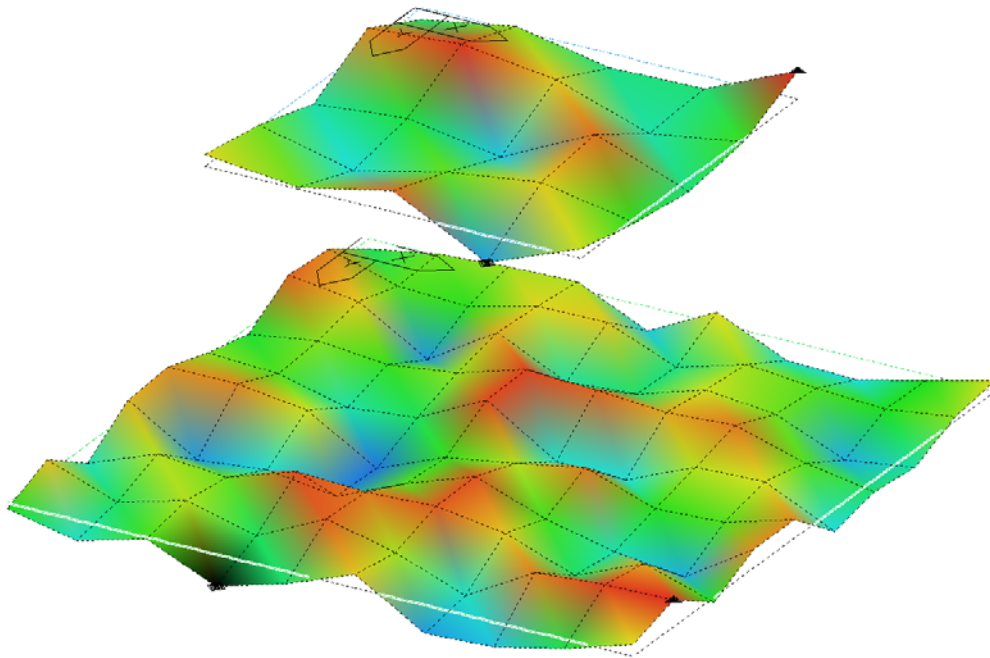
Page 2

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CORRECTED SURFACE FLATNESS (Relative to Best Fit Plane)

0.0144 in.
0.0067 in.
-0.0010 in.
-0.0087 in.
-0.0164 in.



Dashed Frame Represents the Best Fit Plane

▷ (Triangle) Indicates the High Point on the Surface rel. to the BFP
◇ (Diamond) Indicates the Low Point on the Surface rel. to the BFP
Coordinates Icon Located at X=0, Y=0

Surface 1 Flatness = .03006 in. (TIR)
Surface 2 Flatness = .02847 in. (TIR)

Parallelism (X Dir.) = -.0006015 in/Ft
Parallelism (Y Dir.) = -.0022944 in/Ft

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 Surface 1 (Surface 1)

X distance	Y distance	Z Raw Flatness Data	As Configured/Plotted	Comments
0	0	-.01972	-.00544	
0	-11.1	-.00339	.00983	
0	-22.2	-.00091	.01124	
0	-33.3	-.01482	-.00373	
0	-44.4	-.00824	.00178	
0	-55.6	.00040	.00935	
0	-66.7	-.00020	.00769	
0	-77.8	-.01638	-.00956	
0	-88.9	.00155	.00731	
0	-100.0	-.00748	-.00279	
11.1	0	-.01254	.00092	
11.1	-11.1	-.01296	-.00057	
11.1	-22.2	-.00449	.00684	
11.1	-33.3	-.00862	.00164	
11.1	-44.4	-.00963	-.00044	
11.1	-55.6	.00161	.00974	
11.1	-66.7	-.02130	-.01423	
11.1	-77.8	-.00211	.00390	
11.1	-88.9	-.01066	-.00572	
11.1	-100.0	-.01410	-.01022	
22.2	0	-.00941	.00323	
22.2	-11.1	-.01366	-.00209	
22.2	-22.2	-.02492	-.01441	
22.2	-33.3	-.01112	-.00168	
22.2	-44.4	-.01715	-.00877	
22.2	-55.6	-.00224	.00508	
22.2	-66.7	-.01701	-.01076	
22.2	-77.8	-.00465	.00053	
22.2	-88.9	-.00041	.00371	
22.2	-100.0	-.00415	-.00109	
33.3	0	-.00779	.00403	
33.3	-11.1	-.00439	.00636	
33.3	-22.2	-.00153	.00816	
33.3	-33.3	-.00633	.00230	
33.3	-44.4	-.01288	-.00532	
33.3	-55.6	-.02244	-.01594	
33.3	-66.7	-.02070	-.01527	
33.3	-77.8	.00785	.01221	
33.3	-88.9	-.00866	-.00535	
33.3	-100.0	-.01861	-.01638	
44.4	0	-.02322	-.01222	
44.4	-11.1	-.00300	.00693	
44.4	-22.2	-.01741	-.00853	
44.4	-33.3	.00497	.01278	
44.4	-44.4	.00576	.01250	
44.4	-55.6	-.00742	-.00174	
44.4	-66.7	-.00498	-.00036	
44.4	-77.8	.00691	.01046	
44.4	-88.9	.00902	.01151	
44.4	-100.0	-.00770	-.00628	
55.6	0	-.00427	.00591	
55.6	-11.1	-.01638	-.00727	
55.6	-22.2	-.01413	-.00608	
55.6	-33.3	.00432	.01131	
55.6	-44.4	-.01623	-.01031	

(table continued on next page)

Notes:
 'As Configured/Plotted' = User Customized Data, as shown on the Surface Plot
 'Z Raw Flatness Data' = Target measurements taken at each X, Y location

