

Units: in

Free Adobe Acrobat 9 viewer required to rotate, pan, and zoom acrobat.com

Author: 538353:538353-08-PC

Client Name: 3D Systems, Inc.

Reference Model: T-B-1

Test Model: FULL LPT BLADE_12-13-2013



"The economy is a wholly owned subsidiary of the environment, not the other way around."

US Senator Gaylord Nelson : Earth Day Founder 1970 : Presidential Medal of Honor 1995



ALL SYSTEMS GO.

Alignment Statistics

Alignment Name: Best fit alignment: T-B-1 (2)

RMS Error: 0.003387696in

Model Max. Length: 3.647225452in

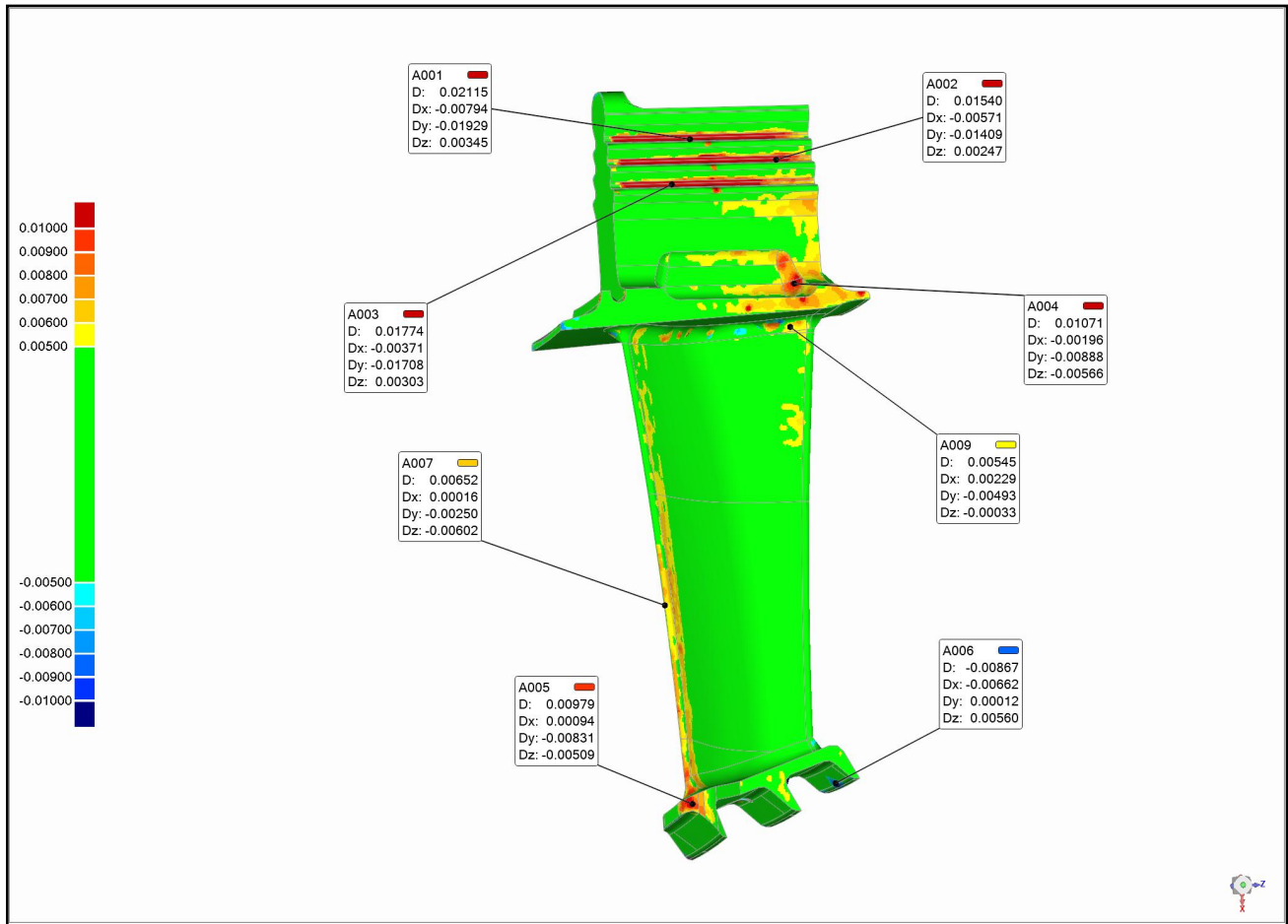
Average Error: 0.002522531in



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Annotated View: View 1



Units: in

CSYS: 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	0.02115				8.89434	-0.44059	-0.08070	0.01000	-0.00794	-0.01929	0.00345	8.88640	-0.45988	-0.07725	-0.37559	-0.91231	0.16318
A002	0.01540				9.00665	-0.40870	0.33600	0.01000	-0.00571	-0.01409	0.00247	9.00094	-0.42279	0.33847	-0.37081	-0.91479	0.16019
A003	0.01774				9.11370	-0.54715	-0.20290	0.01000	-0.00371	-0.01708	0.00303	9.11000	-0.56424	-0.19987	-0.20895	-0.96286	0.17101
A004	0.01071				9.60639	-0.48613	0.37356	0.01000	-0.00196	-0.00888	-0.00566	9.60442	-0.49501	0.36789	-0.18337	-0.82876	-0.52871
A005	0.00979				12.10620	-1.06305	-0.38136	0.01000	0.00094	-0.00831	-0.00509	12.10714	-1.07137	-0.38645	0.09622	-0.84880	-0.51988
A006	-0.00867				11.96939	-0.17339	0.49576	0.01000	-0.00662	0.00012	0.00560	11.96277	-0.17327	0.50136	0.76333	-0.01413	-0.64586



Level 3 Inspection®

ALL SYSTEMS GO.

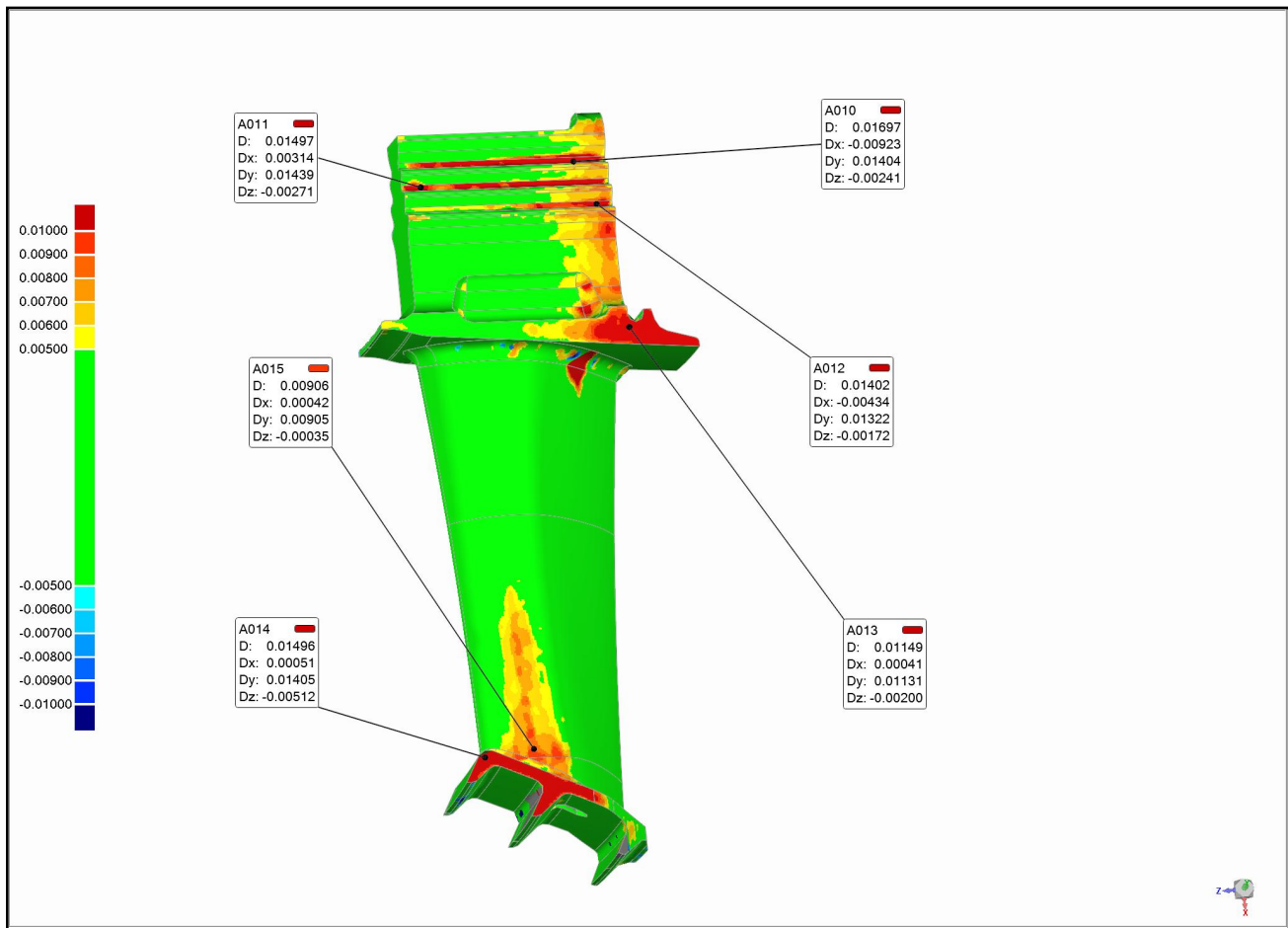
Name	Dev	Status	Upper Tol.	Lower Tol.	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Measured X	Measured Y	Measured Z	Normal X	Normal Y	Normal Z
A007	0.00652				11.14128	-0.88378	-0.42271	0.01000	0.00016	-0.00250	-0.00602	11.14144	-0.88628	-0.42873	0.02467	-0.38370	-0.92313
A009	0.00545				9.80524	-0.39710	0.35904	0.01000	0.00229	-0.00493	-0.00033	9.80753	-0.40203	0.35871	0.42083	-0.90515	-0.06010



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Annotated View: View 2



Units: in

CSYS: 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	0.01697				8.89822	-0.28798	-0.35532	0.01000	-0.00923	0.01404	-0.00241	8.88899	-0.27394	-0.35773	-0.54373	0.82712	-0.14224
A011	0.01497				9.00886	-0.11790	0.41573	0.01000	0.00314	0.01439	-0.00271	9.01200	-0.10352	0.41302	0.20962	0.96086	-0.18113
A012	0.01402				9.12246	-0.23123	-0.43579	0.01000	-0.00434	0.01322	-0.00172	9.11812	-0.21801	-0.43752	-0.30950	0.94292	-0.12297
A013	0.01149				9.75008	-0.12715	-0.51490	0.01000	0.00041	0.01131	-0.00200	9.75049	-0.11584	-0.51689	0.03597	0.98415	-0.17365
A014	0.01496				11.85980	0.23720	0.44547	0.01000	0.00051	0.01405	-0.00512	11.86031	0.25125	0.44035	0.03432	0.93907	-0.34202
A015	0.00906				11.77527	-0.04424	0.16060	0.01000	0.00042	0.00905	-0.00035	11.77569	-0.03519	0.16025	0.04625	0.99819	-0.03855



Annotated View: All

Units: in

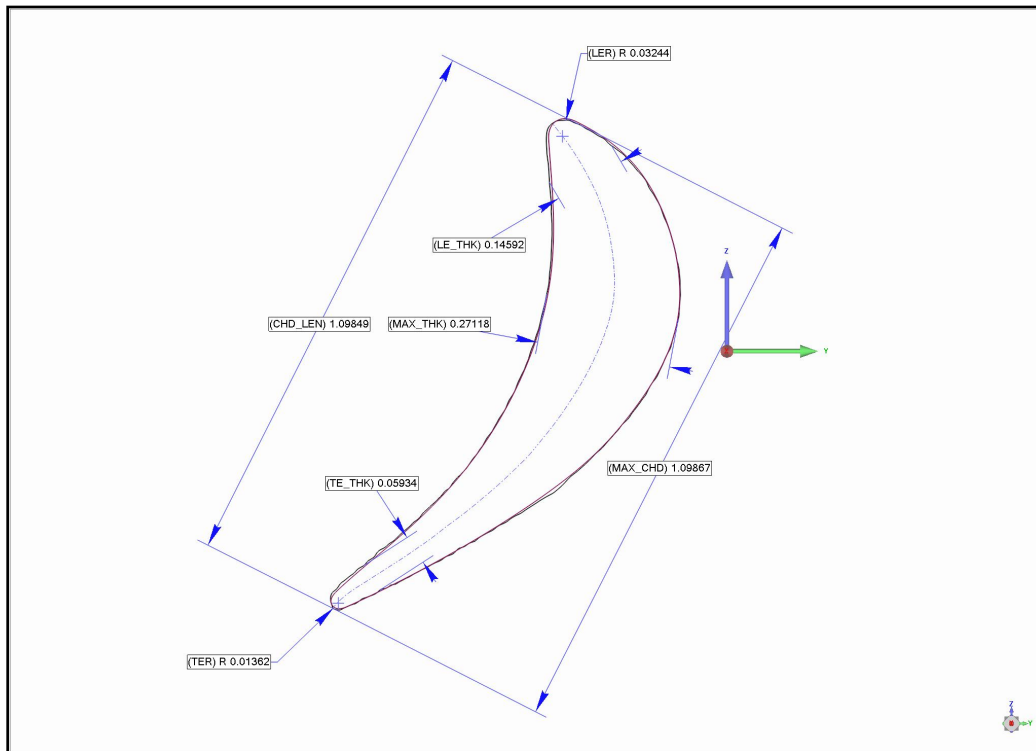
Name	Dev	Status	Upper Tol.	Lower Tol.	Ref X	Ref Y	Ref Z	Dev Radius	Dev X	Dev Y	Dev Z	Measured X	Measured Y	Measured Z	Normal X	Normal Y	Normal Z
A001	0.02115				8.89434	-0.44059	-0.08070	0.01000	-0.00794	-0.01929	0.00345	8.88640	-0.45988	-0.07725	-0.37559	-0.91231	0.16318
A002	0.01540				9.00665	-0.40870	0.33600	0.01000	-0.00571	-0.01409	0.00247	9.00094	-0.42279	0.33847	-0.37081	-0.91479	0.16019
A003	0.01774				9.11370	-0.54715	-0.20290	0.01000	-0.00371	-0.01708	0.00303	9.11000	-0.56424	-0.19987	-0.20895	-0.96286	0.17101
A004	0.01071				9.60639	-0.48613	0.37356	0.01000	-0.00196	-0.00888	-0.00566	9.60442	-0.49501	0.36789	-0.18337	-0.82876	-0.52871
A005	0.00979				12.10620	-1.06305	-0.38136	0.01000	0.00094	-0.00831	-0.00509	12.10714	-1.07137	-0.38645	0.09622	-0.84880	-0.51988
A006	-0.00867				11.96939	-0.17339	0.49576	0.01000	-0.00662	0.00012	0.00560	11.96277	-0.17327	0.50136	0.76333	-0.01413	-0.64586
A007	0.00652				11.14128	-0.88378	-0.42271	0.01000	0.00016	-0.00250	-0.00602	11.14144	-0.88628	-0.42873	0.02467	-0.38370	-0.92313
A009	0.00545				9.80524	-0.39710	0.35904	0.01000	0.00229	-0.00493	-0.00033	9.80753	-0.40203	0.35871	0.42083	-0.90515	-0.06010
A010	0.01697				8.89822	-0.28798	-0.35532	0.01000	-0.00923	0.01404	-0.00241	8.88899	-0.27394	-0.35773	-0.54373	0.82712	-0.14224
A011	0.01497				9.00886	-0.11790	0.41573	0.01000	0.00314	0.01439	-0.00271	9.01200	-0.10352	0.41302	0.20962	0.96086	-0.18113
A012	0.01402				9.12246	-0.23123	-0.43579	0.01000	-0.00434	0.01322	-0.00172	9.11812	-0.21801	-0.43752	-0.30950	0.94292	-0.12297
A013	0.01149				9.75008	-0.12715	-0.51490	0.01000	0.00041	0.01131	-0.00200	9.75049	-0.11584	-0.51689	0.03597	0.98415	-0.17365
A014	0.01496				11.85980	0.23720	0.44547	0.01000	0.00051	0.01405	-0.00512	11.86031	0.25125	0.44035	0.03432	0.93907	-0.34202
A015	0.00906				11.77527	-0.04424	0.16060	0.01000	0.00042	0.00905	-0.00035	11.77569	-0.03519	0.16025	0.04625	0.99819	-0.03855



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2D Dimension View: Section A-A



CAD Model: Red
White Light Scan Data: Black

Units: in
CSYS: World CSYS

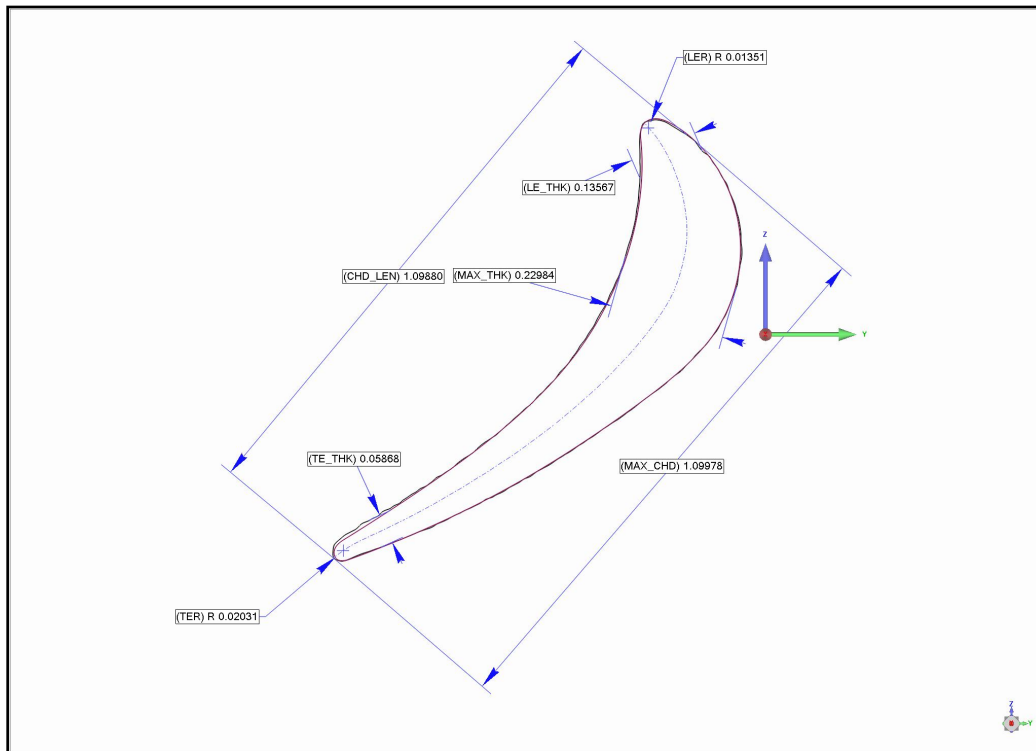
Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
CHD_LEN	1.09849	1.09824	0.00025	PASS	0.03937	-0.03937
LE_THK	0.14592	0.05947	0.08644	FAIL	0.03937	-0.03937
LER	0.03244	0.01694	0.01550	PASS	0.03937	-0.03937
MAX_CHD	1.09867	1.09827	0.00040	PASS	0.03937	-0.03937
MAX_THK	0.27118	0.26769	0.00348	PASS	0.03937	-0.03937
TE_THK	0.05934	0.14515	-0.08581	FAIL	0.03937	-0.03937
TER	0.01362	0.03368	-0.02006	PASS	0.03937	-0.03937



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2D Dimension View: Section B-B



CAD Model: Red
White Light Scan Data: Black

Units: in
CSYS: World CSYS

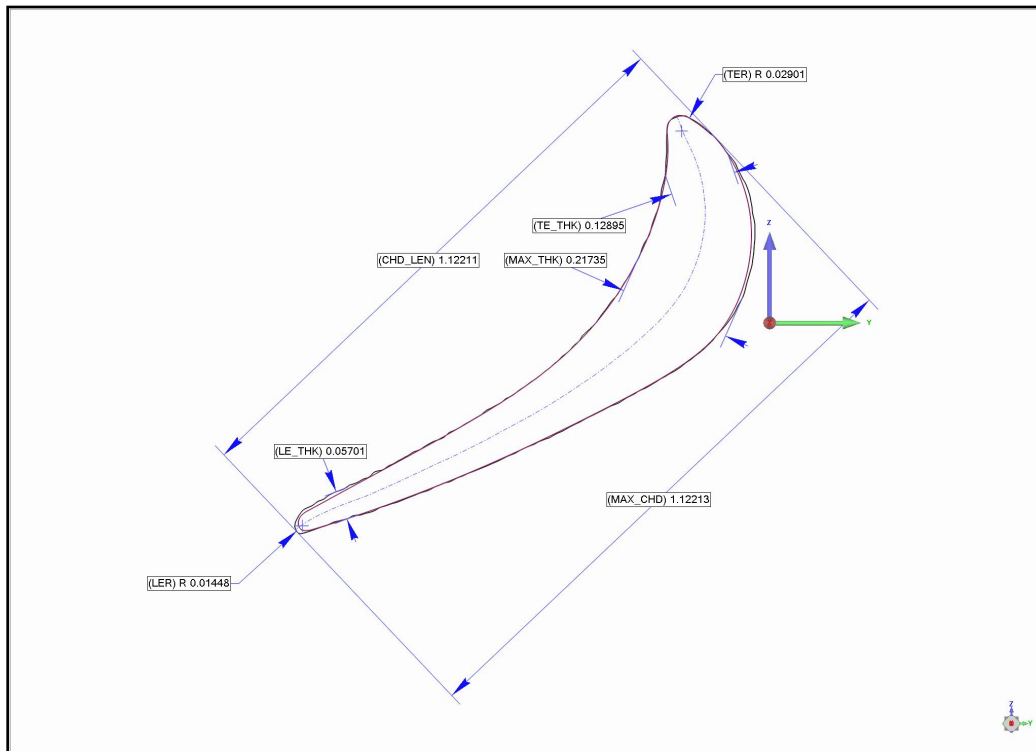
Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
CHD_LEN	1.09880	1.09744	0.00135	PASS	0.03937	-0.03937
LE_THK	0.13567	0.13560	0.00007	PASS	0.03937	-0.03937
LER	0.01351	0.03007	-0.01656	PASS	0.03937	-0.03937
MAX_CHD	1.09978	1.09805	0.00173	PASS	0.03937	-0.03937
MAX_THK	0.22984	0.22591	0.00393	PASS	0.03937	-0.03937
TE_THK	0.05868	0.05454	0.00414	PASS	0.03937	-0.03937
TER	0.02031	0.01830	0.00201	PASS	0.03937	-0.03937



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2D Dimension View: Section C-C



CAD Model: Red
White Light Scan Data: Black

Units: in
 CSYS: World CSYS

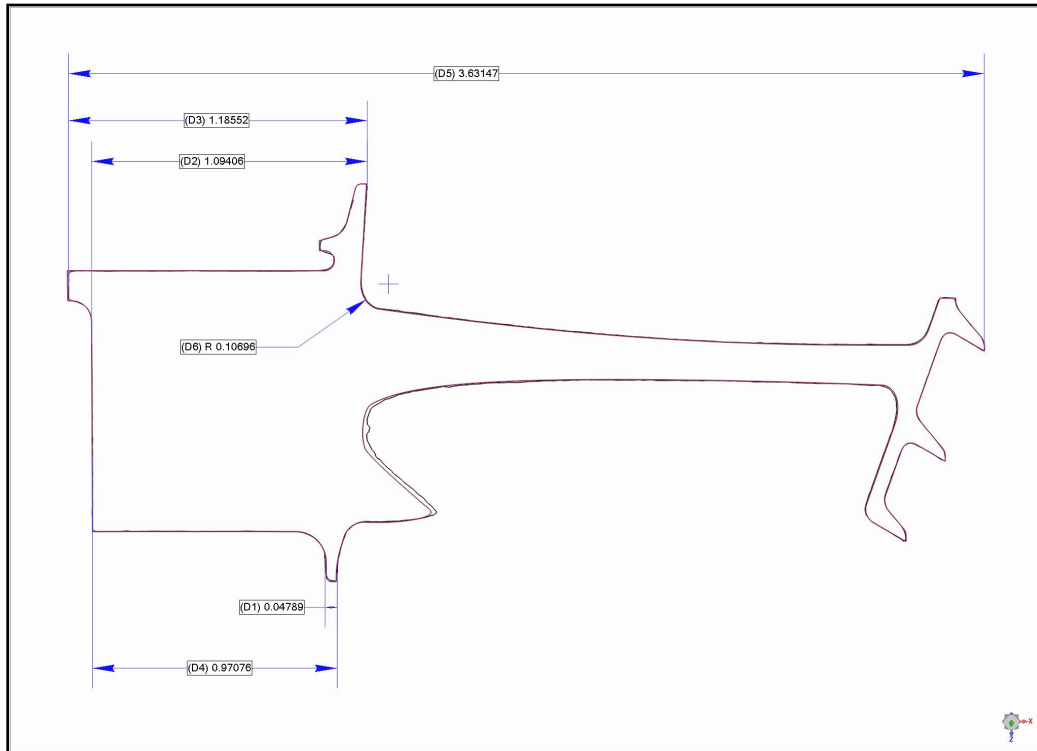
Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
CHD_LEN	1.12211	1.11197	0.01014	PASS	0.03937	-0.03937
LE_THK	0.05701	0.05184	0.00517	PASS	0.03937	-0.03937
LER	0.01448	0.01675	-0.00226	PASS	0.03937	-0.03937
MAX_CHD	1.12213	1.11251	0.00961	PASS	0.03937	-0.03937
MAX_THK	0.21735	0.21157	0.00578	PASS	0.03937	-0.03937
TE_THK	0.12895	0.12478	0.00417	PASS	0.03937	-0.03937
TER	0.02901	0.02659	0.00242	PASS	0.03937	-0.03937



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2D Dimension View: Section D-D



CAD Model: Red
White Light Scan Data: Black

Units: in
CSYS: World CSYS

Name	Measured	Nominal	Dev	Status	Upper Tol.	Lower Tol.
D1	0.04789	0.05000	-0.00211	PASS	0.00300	-0.00300
D2	1.09406	1.09500	-0.00094	PASS	0.00200	-0.00200
D3	1.18552	1.18500	0.00052	PASS	0.00100	-0.00100
D4	0.97076	0.97500	-0.00424	PASS	0.00500	-0.00500
D5	3.63147	3.63500	-0.00353	PASS	0.00500	-0.00500
D6	0.10696	0.10500	0.00196	PASS	0.00300	-0.00300



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Location Set: Upper and Lower Deviations

Units: in

Name	Dev	Status	Upper Tol	Lower Tol	Ref X	Ref Y	Ref Z	Radius	Dev X	Dev Y	Dev Z	Measure d X	Measure d Y	Measure d Z	Proj. Dir X	Proj. Dir Y	Proj. Dir Z
Lower Dev.	-0.12141				8.87921	-0.24493	0.22255	n/a	-0.12103	-0.00060	-0.00955	8.75818	-0.24554	0.21300	0.99689	0.00497	0.07869
Upper Dev.	0.17639				9.80522	-0.80239	-0.61352	n/a	-0.00060	-0.08288	-0.15570	9.80462	-0.88527	-0.76922	-0.00339	-0.46989	-0.88272



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