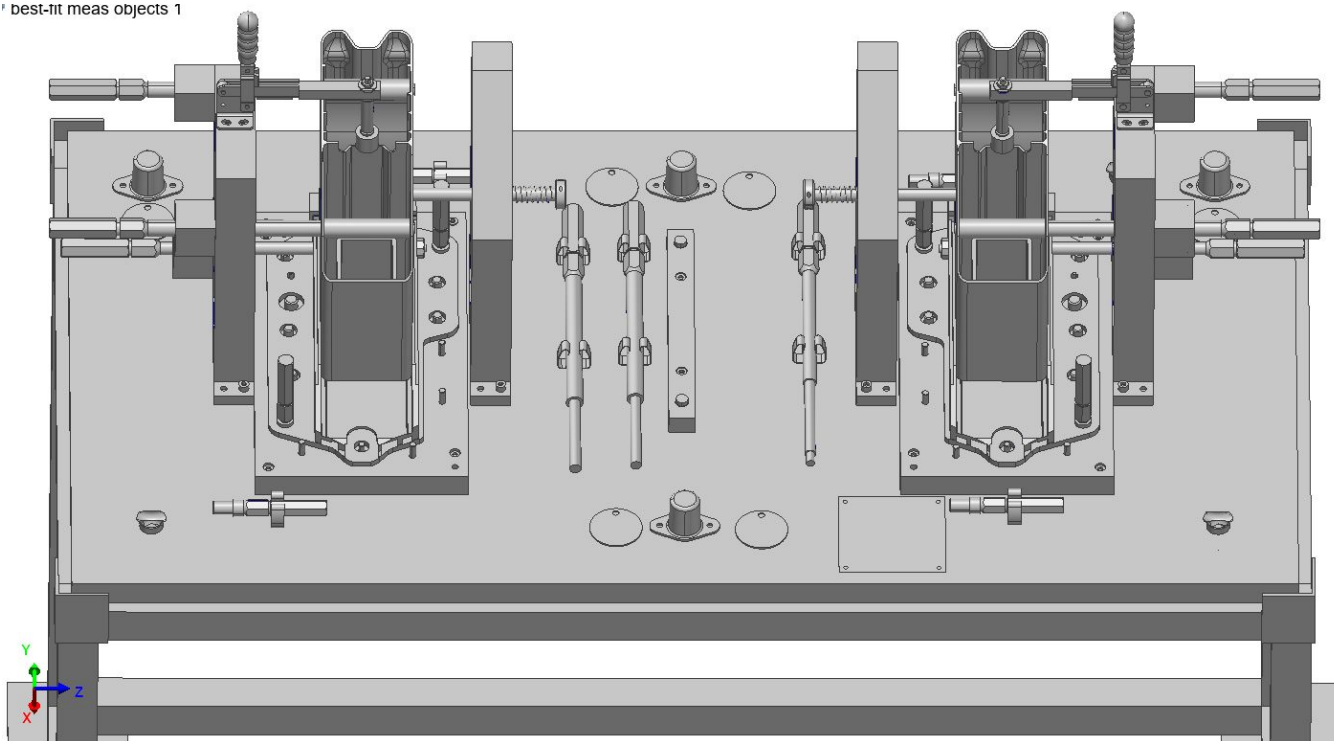


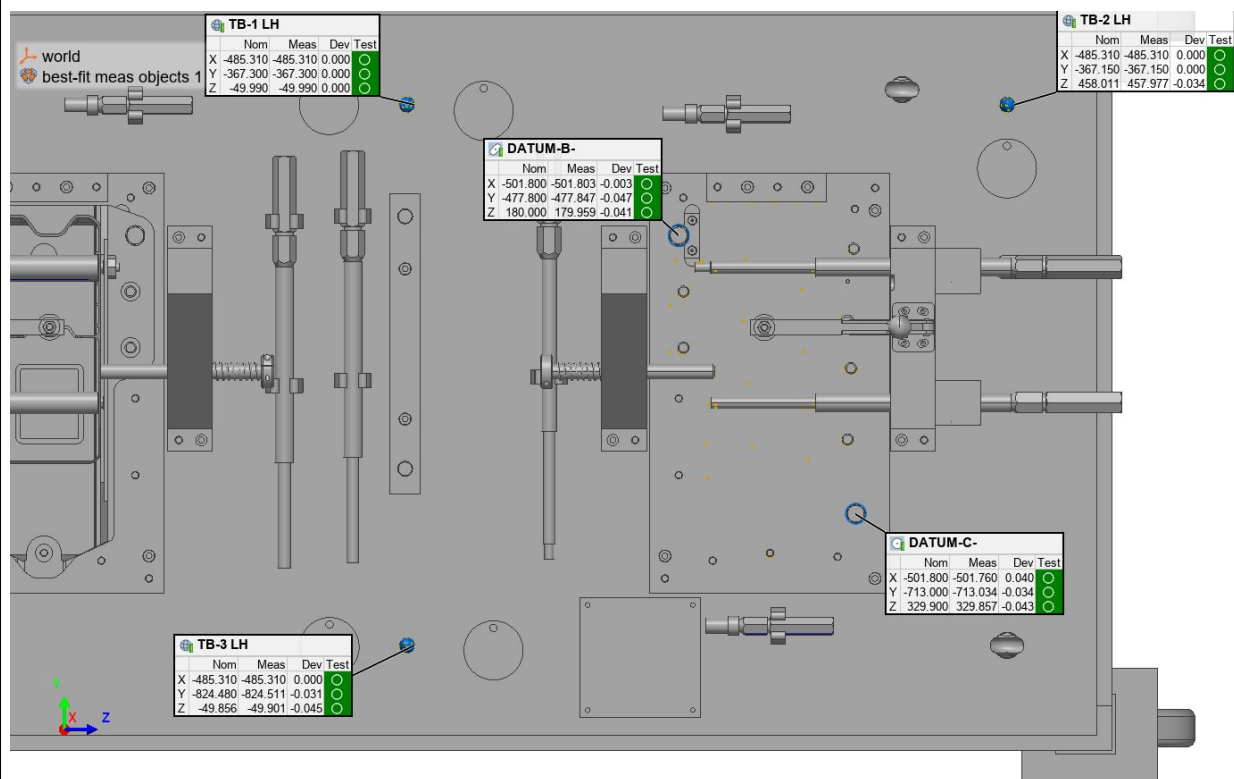
MEASUREMENT REPORT

best-fit meas objects 1



Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx
Workspace: PROGRAM_MARZO
Project: PROGRAMA_LG4194_
 71130-3W0A-WA_piezo 2

Part name: LG4194-LH
Part number: 71130-3W0A-WA
Drawing : S/R
Device: MESS-BRAA-003



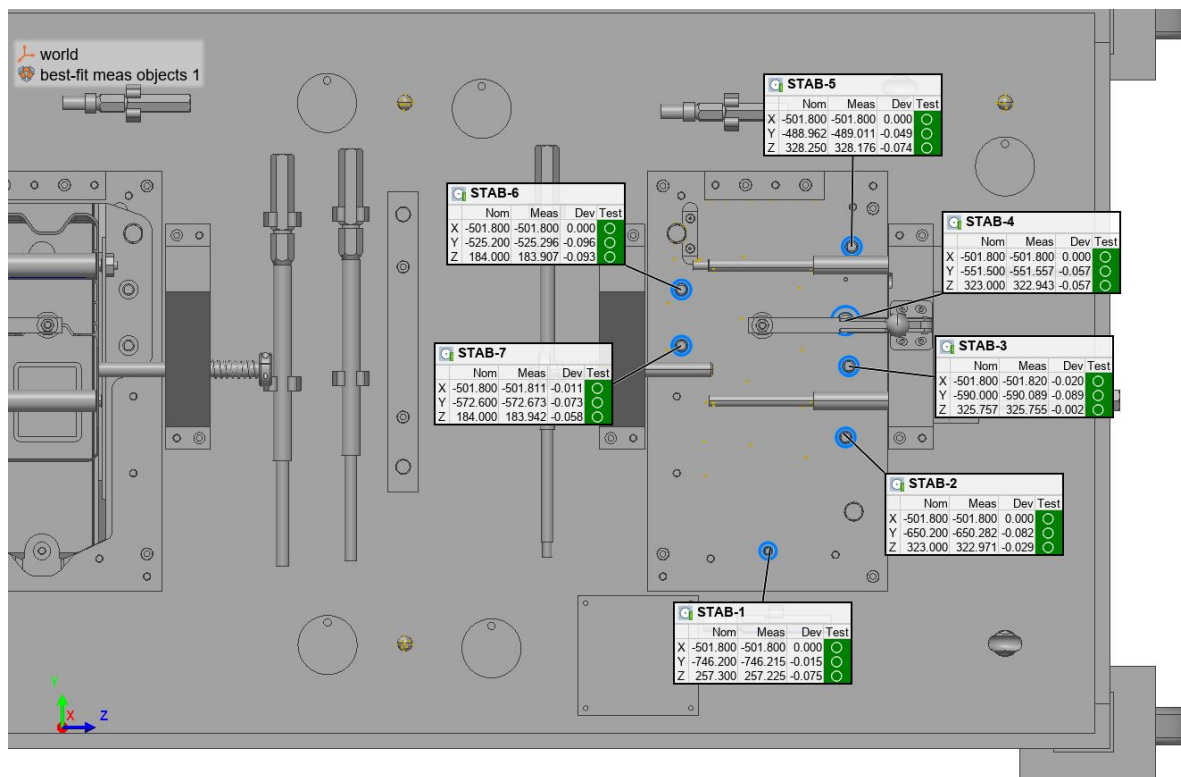
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
TB-1 LH	X	-485.310	-485.310	±0.050	0.000	Pass
	Y	-367.300	-367.300	±0.050	0.000	Pass
	Z	-49.990	-49.990	±0.050	0.000	Pass
TB-2 LH	X	-485.310	-485.310	±0.050	0.000	Pass
	Y	-367.150	-367.150	±0.050	0.000	Pass
	Z	458.011	457.977	±0.050	-0.034	Pass
TB-3 LH	X	-485.310	-485.310	±0.050	0.000	Pass
	Y	-824.480	-824.511	±0.050	-0.031	Pass
	Z	-49.856	-49.901	±0.050	-0.045	Pass
DATUM-B-	X	-501.800	-501.803	±0.050	-0.003	Pass
	Y	-477.800	-477.847	±0.050	-0.047	Pass
	Z	180.000	179.959	±0.050	-0.041	Pass
DATUM-C-	X	-501.800	-501.760	±0.050	0.040	Pass
	Y	-713.000	-713.034	±0.050	-0.034	Pass
	Z	329.900	329.857	±0.050	-0.043	Pass

Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2



Feature Table

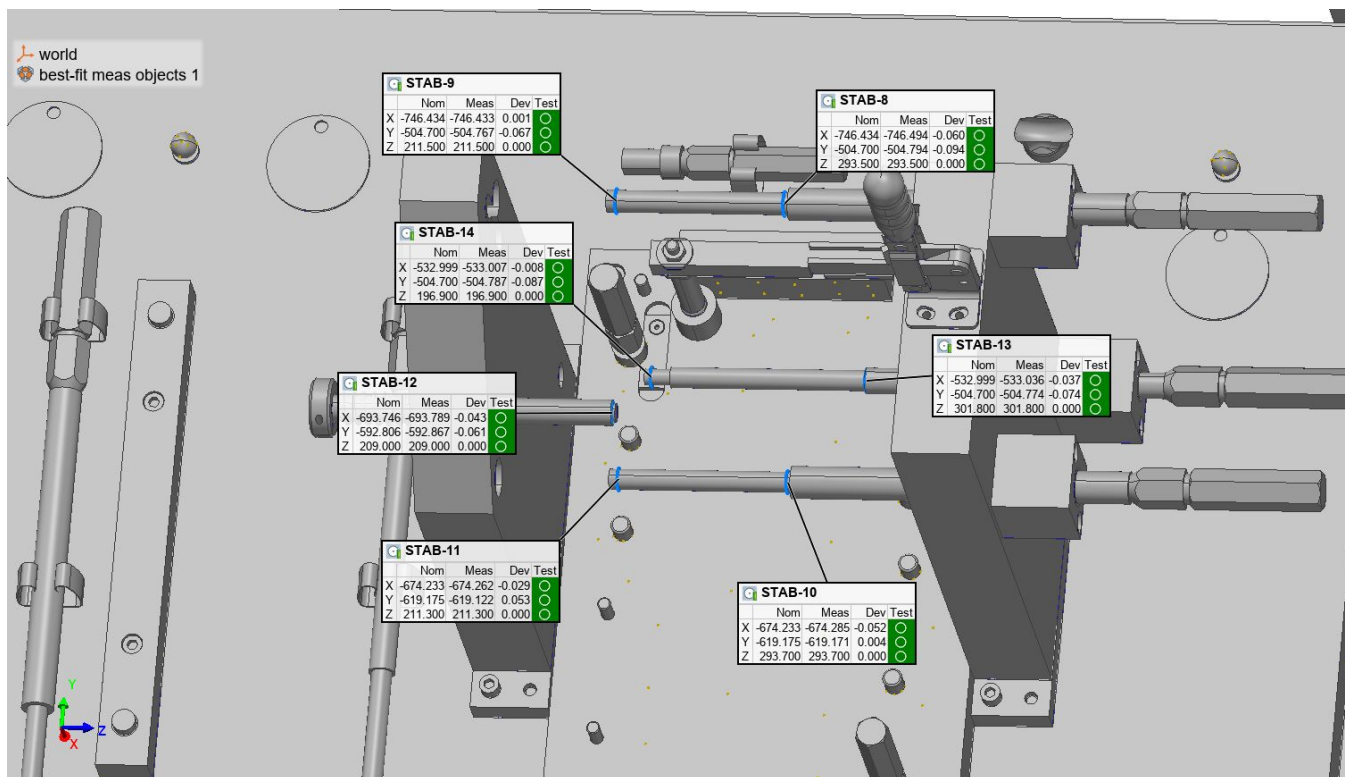
Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-1	X	-501.800	-501.800	±0.100	0.000	Pass
	Y	-746.200	-746.215	±0.100	-0.015	Pass
	Z	257.300	257.225	±0.100	-0.075	Pass
STAB-2	X	-501.800	-501.800	±0.100	0.000	Pass
	Y	-650.200	-650.282	±0.100	-0.082	Pass
	Z	323.000	322.971	±0.100	-0.029	Pass
STAB-3	X	-501.800	-501.820	±0.100	-0.020	Pass
	Y	-590.000	-590.089	±0.100	-0.089	Pass
	Z	325.757	325.755	±0.100	-0.002	Pass
STAB-4	X	-501.800	-501.800	±0.100	0.000	Pass
	Y	-551.500	-551.557	±0.100	-0.057	Pass
	Z	323.000	322.943	±0.100	-0.057	Pass
STAB-5	X	-501.800	-501.800	±0.100	0.000	Pass
	Y	-488.962	-489.011	±0.100	-0.049	Pass
	Z	328.250	328.176	±0.100	-0.074	Pass
STAB-6	X	-501.800	-501.800	±0.100	0.000	Pass
	Y	-525.200	-525.296	±0.100	-0.096	Pass
	Z	184.000	183.907	±0.100	-0.093	Pass
STAB-7	X	-501.800	-501.811	±0.100	-0.011	Pass
	Y	-572.600	-572.673	±0.100	-0.073	Pass

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Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2

Z 184.000 183.942 ±0.100 -0.058 **Pass**



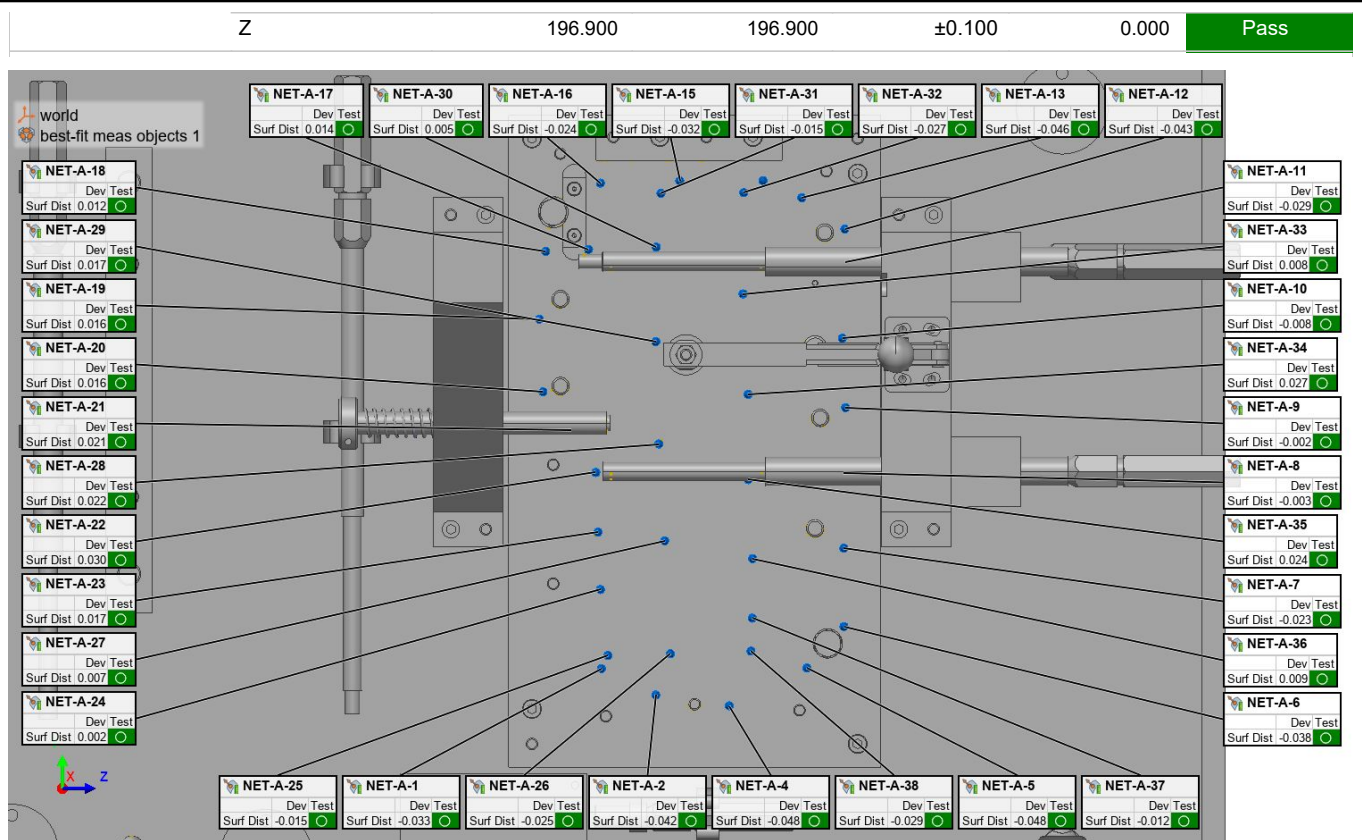
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-8	X	-746.434	-746.494	±0.100	-0.060	Pass
	Y	-504.700	-504.794	±0.100	-0.094	Pass
	Z	293.500	293.500	±0.100	0.000	Pass
STAB-9	X	-746.434	-746.433	±0.100	0.001	Pass
	Y	-504.700	-504.767	±0.100	-0.067	Pass
	Z	211.500	211.500	±0.100	0.000	Pass
STAB-10	X	-674.233	-674.285	±0.100	-0.052	Pass
	Y	-619.175	-619.171	±0.100	0.004	Pass
	Z	293.700	293.700	±0.100	0.000	Pass
STAB-11	X	-674.233	-674.262	±0.100	-0.029	Pass
	Y	-619.175	-619.122	±0.100	0.053	Pass
	Z	211.300	211.300	±0.100	0.000	Pass
STAB-12	X	-693.746	-693.789	±0.100	-0.043	Pass
	Y	-592.806	-592.867	±0.100	-0.061	Pass
	Z	209.000	209.000	±0.100	0.000	Pass
STAB-13	X	-532.999	-533.036	±0.100	-0.037	Pass
	Y	-504.700	-504.774	±0.100	-0.074	Pass
	Z	301.800	301.800	±0.100	0.000	Pass
STAB-14	X	-532.999	-533.007	±0.100	-0.008	Pass
	Y	-504.700	-504.787	±0.100	-0.087	Pass

Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2



Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
NET-A-1	Surface Distance	-0.033	±0.050	-0.033	Pass
NET-A-2	Surface Distance	-0.042	±0.050	-0.042	Pass
NET-A-4	Surface Distance	-0.048	±0.050	-0.048	Pass
NET-A-5	Surface Distance	-0.048	±0.050	-0.048	Pass
NET-A-6	Surface Distance	-0.038	±0.050	-0.038	Pass
NET-A-7	Surface Distance	-0.023	±0.050	-0.023	Pass
NET-A-8	Surface Distance	-0.003	±0.050	-0.003	Pass
NET-A-9	Surface Distance	-0.002	±0.050	-0.002	Pass
NET-A-10	Surface Distance	-0.008	±0.050	-0.008	Pass
NET-A-11	Surface Distance	-0.029	±0.050	-0.029	Pass
NET-A-12	Surface Distance	-0.043	±0.050	-0.043	Pass
NET-A-13	Surface Distance	-0.046	±0.050	-0.046	Pass
NET-A-14	Surface Distance	-0.046	±0.050	-0.046	Pass
NET-A-15	Surface Distance	-0.032	±0.050	-0.032	Pass
NET-A-16	Surface Distance	-0.024	±0.050	-0.024	Pass
NET-A-17	Surface Distance	0.014	±0.050	0.014	Pass
NET-A-18	Surface Distance	0.012	±0.050	0.012	Pass
NET-A-19	Surface Distance	0.016	±0.050	0.016	Pass
NET-A-20	Surface Distance	0.016	±0.050	0.016	Pass
NET-A-21	Surface Distance	0.021	±0.050	0.021	Pass

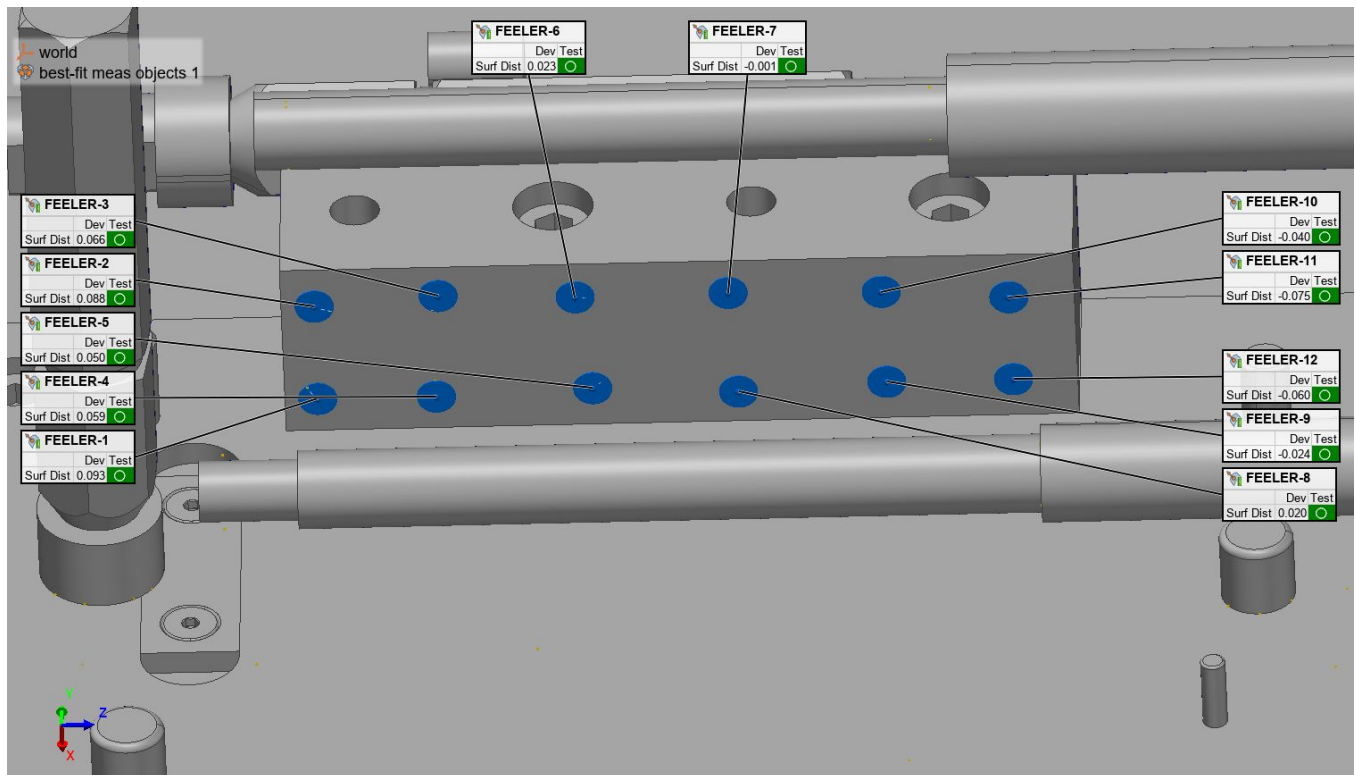
Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2

	NET-A-22	Surface Distance	0.030	±0.050	0.030	Pass
	NET-A-23	Surface Distance	0.017	±0.050	0.017	Pass
	NET-A-24	Surface Distance	0.002	±0.050	0.002	Pass
	NET-A-25	Surface Distance	-0.015	±0.050	-0.015	Pass
	NET-A-26	Surface Distance	-0.025	±0.050	-0.025	Pass
	NET-A-27	Surface Distance	0.007	±0.050	0.007	Pass
	NET-A-28	Surface Distance	0.022	±0.050	0.022	Pass
	NET-A-29	Surface Distance	0.017	±0.050	0.017	Pass
	NET-A-30	Surface Distance	0.005	±0.050	0.005	Pass
	NET-A-31	Surface Distance	-0.015	±0.050	-0.015	Pass
	NET-A-32	Surface Distance	-0.027	±0.050	-0.027	Pass
	NET-A-33	Surface Distance	0.008	±0.050	0.008	Pass
	NET-A-34	Surface Distance	0.027	±0.050	0.027	Pass
	NET-A-35	Surface Distance	0.024	±0.050	0.024	Pass
	NET-A-36	Surface Distance	0.009	±0.050	0.009	Pass
	NET-A-37	Surface Distance	-0.012	±0.050	-0.012	Pass
	NET-A-38	Surface Distance	-0.029	±0.050	-0.029	Pass

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Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2



Comparison Point Table

Units Millimeters

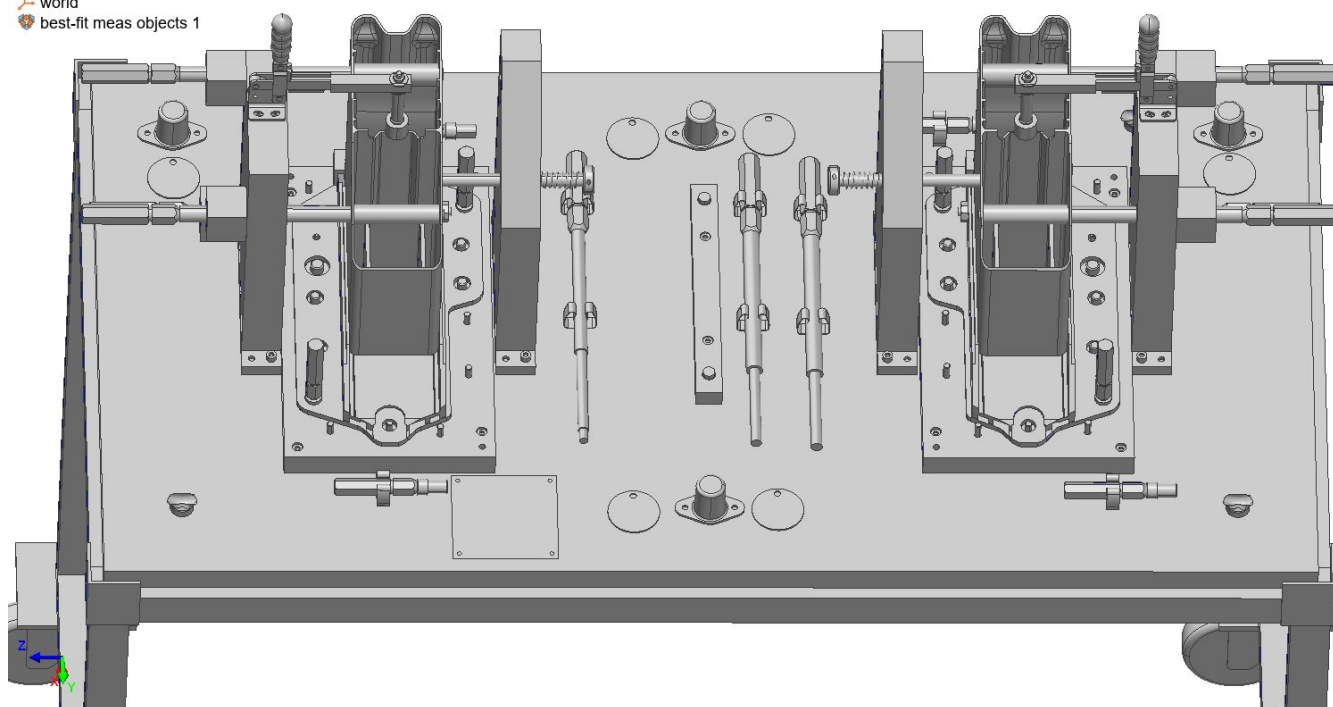
Name	Control	Meas	Tol	Dev	Test
FEELER-1	Surface Distance	0.093	±0.100	0.093	Pass
FEELER-2	Surface Distance	0.088	±0.100	0.088	Pass
FEELER-3	Surface Distance	0.066	±0.100	0.066	Pass
FEELER-4	Surface Distance	0.059	±0.100	0.059	Pass
FEELER-5	Surface Distance	0.050	±0.100	0.050	Pass
FEELER-6	Surface Distance	0.023	±0.100	0.023	Pass
FEELER-7	Surface Distance	-0.001	±0.100	-0.001	Pass
FEELER-8	Surface Distance	0.020	±0.100	0.020	Pass
FEELER-9	Surface Distance	-0.024	±0.100	-0.024	Pass
FEELER-10	Surface Distance	-0.040	±0.100	-0.040	Pass
FEELER-11	Surface Distance	-0.075	±0.100	-0.075	Pass
FEELER-12	Surface Distance	-0.060	±0.100	-0.060	Pass

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Operator: Cesar Hernandez
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Part name: LG4194-LH
Part number: 71130-3W0A-WA
Piece: piece 2

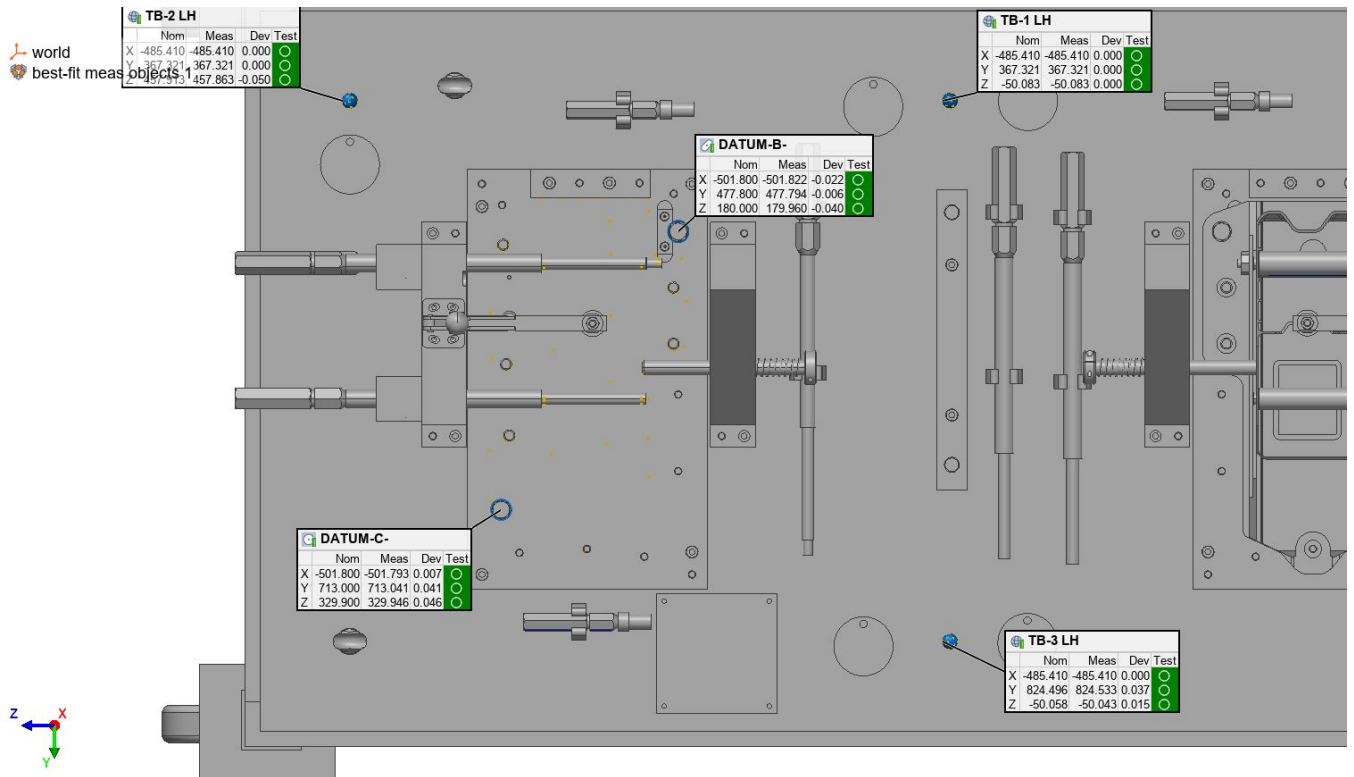
MEASUREMENT REPORT

 world
 best-fit meas objects 1



Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx
Workspace: PROGRAM_MARZO
Project: PROGRAMA_LG4194_71130-3W0A-WA-RH_size 2

Part name: LG2194-RH
Part number: 71130-3W0A-WA
Drawing : S/R
Device: MESS-BRAA-003



Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 TB-1 LH	X	-485.410	-485.410	±0.050	0.000	Pass
	Y	367.321	367.321	±0.050	0.000	Pass
	Z	-50.083	-50.083	±0.050	0.000	Pass
 TB-2 LH	X	-485.410	-485.410	±0.050	0.000	Pass
	Y	367.321	367.321	±0.050	0.000	Pass
	Z	457.913	457.863	±0.050	-0.050	Pass
 TB-3 LH	X	-485.410	-485.410	±0.050	0.000	Pass
	Y	824.496	824.533	±0.050	0.037	Pass
	Z	-50.058	-50.043	±0.050	0.015	Pass
 DATUM-B-	X	-501.800	-501.822	±0.050	-0.022	Pass
	Y	477.800	477.794	±0.050	-0.006	Pass
	Z	180.000	179.960	±0.050	-0.040	Pass
 DATUM-C-	X	-501.800	-501.793	±0.050	0.007	Pass
	Y	713.000	713.041	±0.050	0.041	Pass
	Z	329.900	329.946	±0.050	0.046	Pass

Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2

world
best-fit meas objects 1



STAB-5	Nom	Meas	Dev	Test
X	-501.800	-501.800	0.000	Pass
Y	488.962	488.898	-0.064	Pass
Z	328.250	328.296	0.046	Pass

STAB-4	Nom	Meas	Dev	Test
X	-501.800	-501.800	0.000	Pass
Y	551.500	551.503	0.003	Pass
Z	323.000	323.091	0.091	Pass

STAB-3	Nom	Meas	Dev	Test
X	-501.800	-501.824	-0.024	Pass
Y	590.000	590.062	0.062	Pass
Z	325.757	325.823	0.066	Pass

STAB-2	Nom	Meas	Dev	Test
X	-501.800	-501.800	0.000	Pass
Y	650.200	650.256	0.056	Pass
Z	323.000	323.046	0.046	Pass

STAB-1	Nom	Meas	Dev	Test
X	-501.800	-501.800	0.000	Pass
Y	746.200	746.258	0.058	Pass
Z	257.300	257.371	0.071	Pass

STAB-6	Nom	Meas	Dev	Test
X	-501.800	-501.800	0.000	Pass
Y	525.200	525.235	0.035	Pass
Z	184.000	183.913	-0.087	Pass

STAB-7	Nom	Meas	Dev	Test
X	-501.800	-501.865	-0.065	Pass
Y	572.600	572.694	0.094	Pass
Z	184.000	183.937	-0.063	Pass

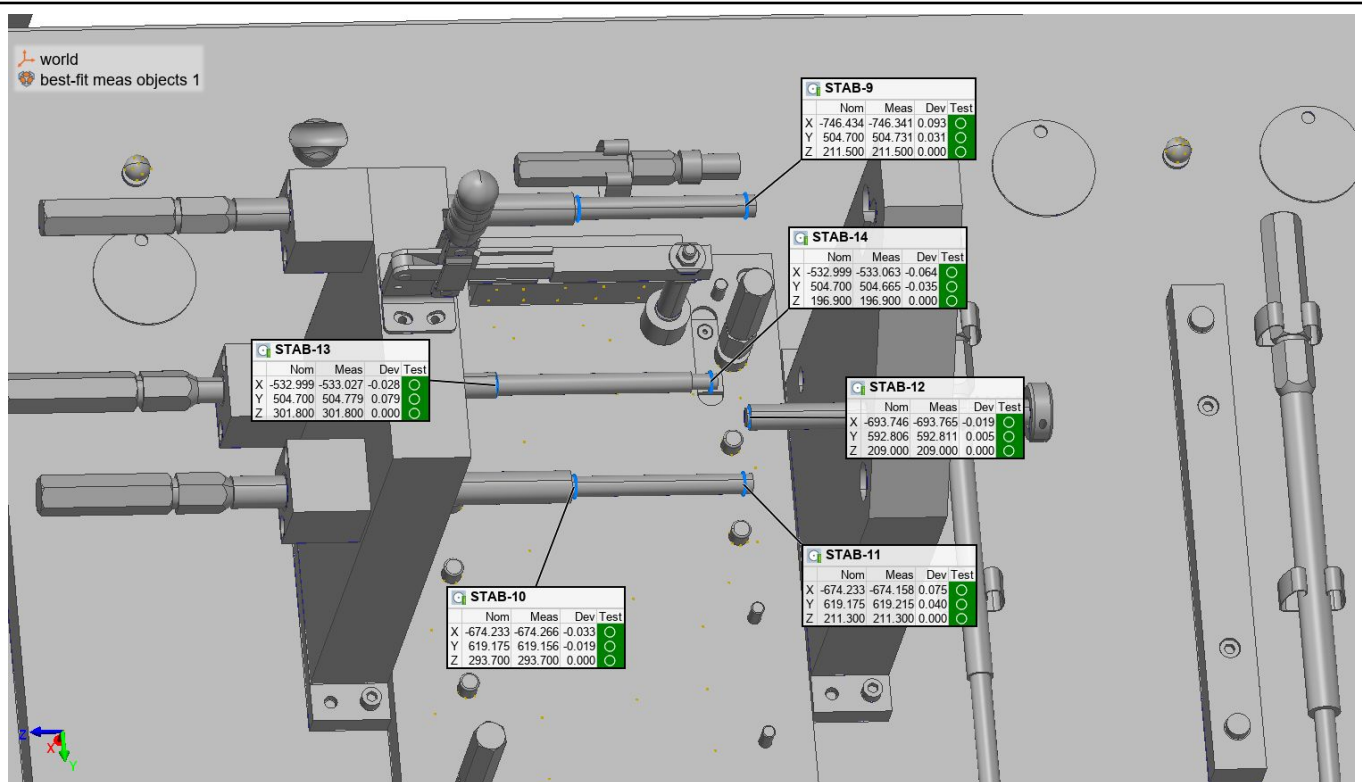
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test	Out Tol
STAB-1	X	-501.800	-501.800	±0.100	0.000	Pass	
	Y	746.200	746.258	±0.100	0.058	Pass	
	Z	257.300	257.371	±0.100	0.071	Pass	
STAB-2	X	-501.800	-501.800	±0.100	0.000	Pass	
	Y	650.200	650.256	±0.100	0.056	Pass	
	Z	323.000	323.046	±0.100	0.046	Pass	
STAB-3	X	-501.800	-501.824	±0.100	-0.024	Pass	
	Y	590.000	590.062	±0.100	0.062	Pass	
	Z	325.757	325.823	±0.100	0.066	Pass	
STAB-4	X	-501.800	-501.800	±0.100	0.000	Pass	
	Y	551.500	551.503	±0.100	0.003	Pass	
	Z	323.000	323.091	±0.100	0.091	Pass	
STAB-5	X	-501.800	-501.800	±0.100	0.000	Pass	
	Y	488.962	488.898	±0.100	-0.064	Pass	
	Z	328.250	328.296	±0.100	0.046	Pass	
STAB-6	X	-501.800	-501.800	±0.100	0.000	Pass	
	Y	525.200	525.235	±0.100	0.035	Pass	
	Z	184.000	183.913	±0.100	-0.087	Pass	
STAB-7	X	-501.800	-501.865	±0.100	-0.065	Pass	
	Y	572.600	572.694	±0.100	0.094	Pass	
	Z	184.000	183.937	±0.100	-0.063	Pass	

Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2



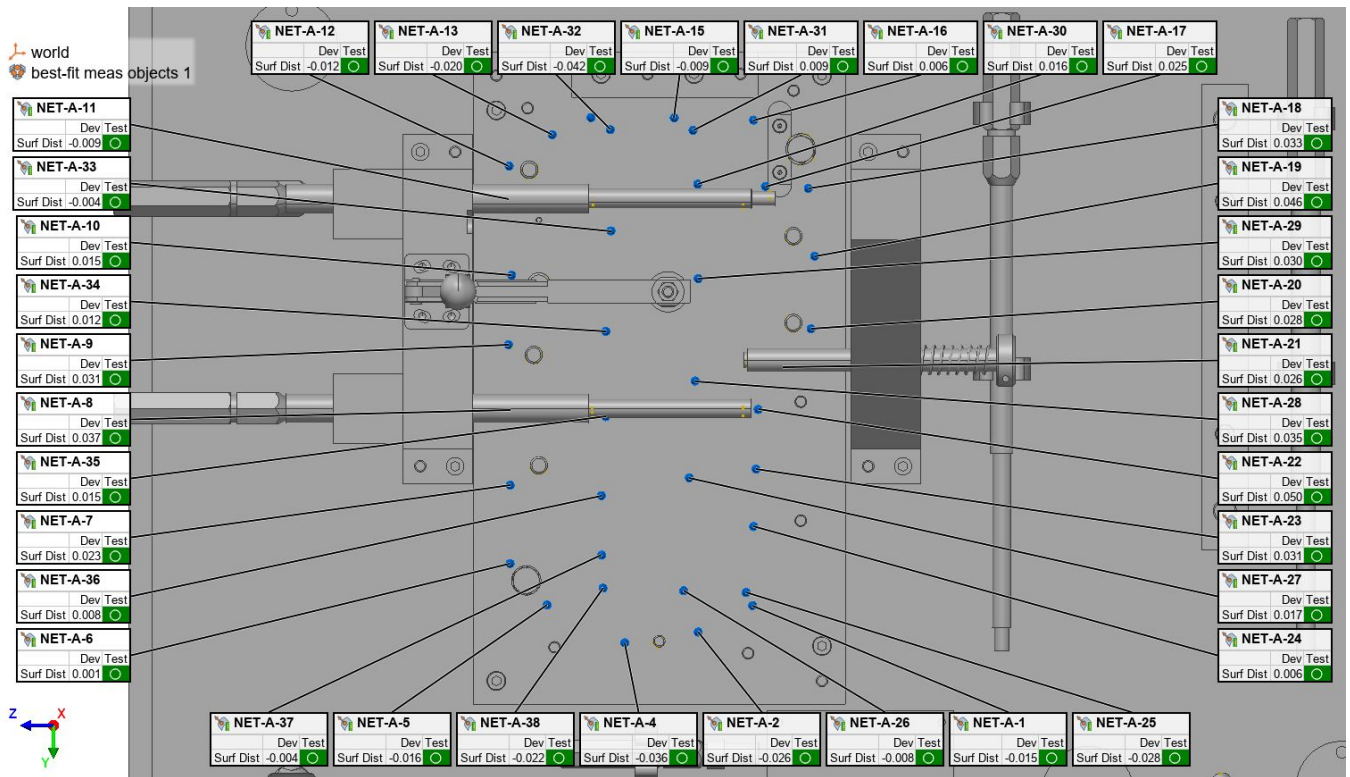
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-8	X	-746.434	-746.398	±0.100	0.036	Pass
	Y	504.700	504.626	±0.100	-0.074	Pass
	Z	293.500	293.500	±0.100	0.000	Pass
STAB-9	X	-746.434	-746.341	±0.100	0.093	Pass
	Y	504.700	504.731	±0.100	0.031	Pass
	Z	211.500	211.500	±0.100	0.000	Pass
STAB-10	X	-674.233	-674.266	±0.100	-0.033	Pass
	Y	619.175	619.156	±0.100	-0.019	Pass
	Z	293.700	293.700	±0.100	0.000	Pass
STAB-11	X	-674.233	-674.158	±0.100	0.075	Pass
	Y	619.175	619.215	±0.100	0.040	Pass
	Z	211.300	211.300	±0.100	0.000	Pass
STAB-12	X	-693.746	-693.765	±0.100	-0.019	Pass
	Y	592.806	592.811	±0.100	0.005	Pass
	Z	209.000	209.000	±0.100	0.000	Pass
STAB-13	X	-532.999	-533.027	±0.100	-0.028	Pass
	Y	504.700	504.779	±0.100	0.079	Pass
	Z	301.800	301.800	±0.100	0.000	Pass
STAB-14	X	-532.999	-533.063	±0.100	-0.064	Pass
	Y	504.700	504.665	±0.100	-0.035	Pass
	Z	196.900	196.900	±0.100	0.000	Pass

Customer: WHITEHALL INDUSTRIES
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Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2



Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
NET-A-1	Surface Distance	-0.015	±0.050	-0.015	Pass
NET-A-2	Surface Distance	-0.026	±0.050	-0.026	Pass
NET-A-4	Surface Distance	-0.036	±0.050	-0.036	Pass
NET-A-5	Surface Distance	-0.016	±0.050	-0.016	Pass
NET-A-6	Surface Distance	0.001	±0.050	0.001	Pass
NET-A-7	Surface Distance	0.023	±0.050	0.023	Pass
NET-A-8	Surface Distance	0.037	±0.050	0.037	Pass
NET-A-9	Surface Distance	0.031	±0.050	0.031	Pass
NET-A-10	Surface Distance	0.015	±0.050	0.015	Pass
NET-A-11	Surface Distance	-0.009	±0.050	-0.009	Pass
NET-A-12	Surface Distance	-0.012	±0.050	-0.012	Pass
NET-A-13	Surface Distance	-0.020	±0.050	-0.020	Pass
NET-A-14	Surface Distance	-0.036	±0.050	-0.036	Pass
NET-A-15	Surface Distance	-0.009	±0.050	-0.009	Pass
NET-A-16	Surface Distance	0.006	±0.050	0.006	Pass
NET-A-17	Surface Distance	0.025	±0.050	0.025	Pass
NET-A-18	Surface Distance	0.033	±0.050	0.033	Pass
NET-A-19	Surface Distance	0.046	±0.050	0.046	Pass
NET-A-20	Surface Distance	0.028	±0.050	0.028	Pass
NET-A-21	Surface Distance	0.026	±0.050	0.026	Pass

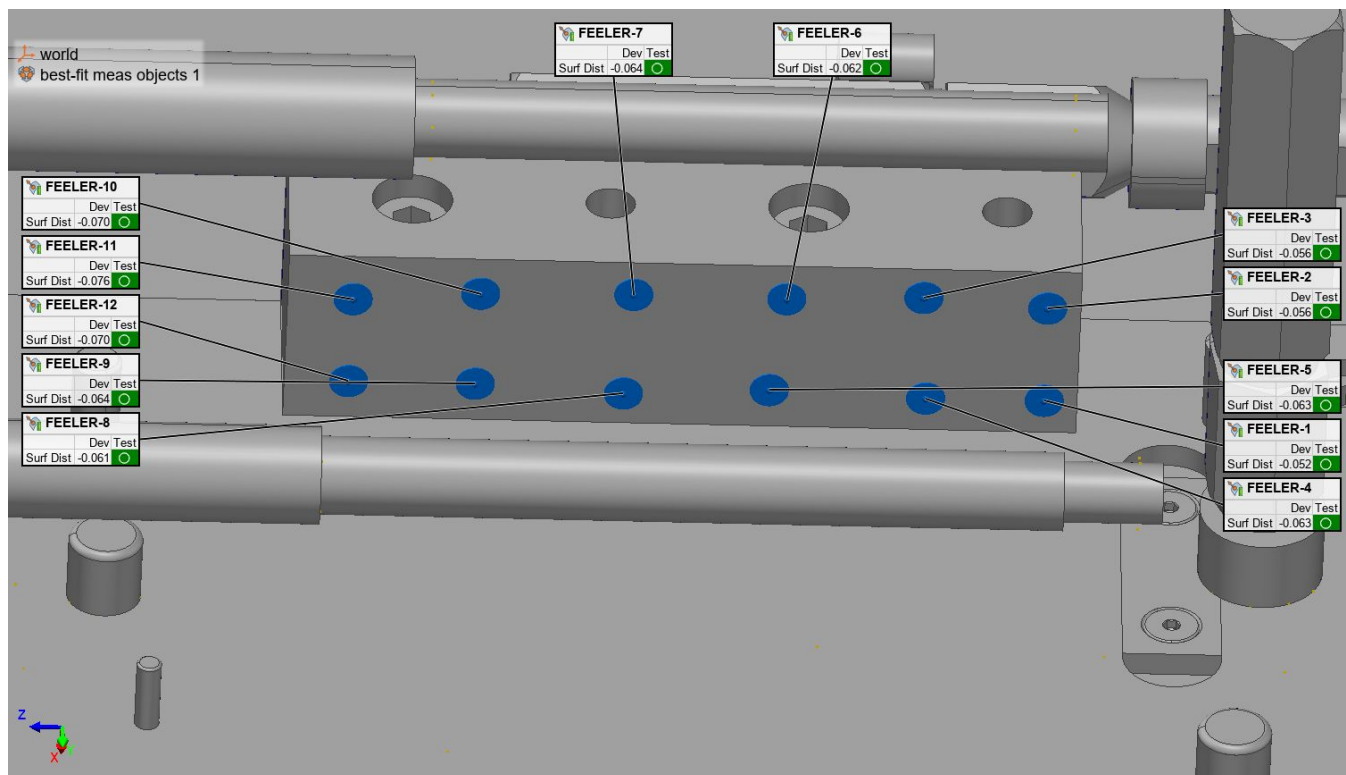
Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx

Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2

	NET-A-22	Surface Distance	0.050	±0.050	0.050	Pass
	NET-A-23	Surface Distance	0.031	±0.050	0.031	Pass
	NET-A-24	Surface Distance	0.006	±0.050	0.006	Pass
	NET-A-25	Surface Distance	-0.028	±0.050	-0.028	Pass
	NET-A-26	Surface Distance	-0.008	±0.050	-0.008	Pass
	NET-A-27	Surface Distance	0.017	±0.050	0.017	Pass
	NET-A-28	Surface Distance	0.035	±0.050	0.035	Pass
	NET-A-29	Surface Distance	0.030	±0.050	0.030	Pass
	NET-A-30	Surface Distance	0.016	±0.050	0.016	Pass
	NET-A-31	Surface Distance	0.009	±0.050	0.009	Pass
	NET-A-32	Surface Distance	-0.042	±0.050	-0.042	Pass
	NET-A-33	Surface Distance	-0.004	±0.050	-0.004	Pass
	NET-A-34	Surface Distance	0.012	±0.050	0.012	Pass
	NET-A-35	Surface Distance	0.015	±0.050	0.015	Pass
	NET-A-36	Surface Distance	0.008	±0.050	0.008	Pass
	NET-A-37	Surface Distance	-0.004	±0.050	-0.004	Pass
	NET-A-38	Surface Distance	-0.022	±0.050	-0.022	Pass

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Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2



Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test	Out Tol
FEELER-1	Surface Distance	-0.052	±0.100	-0.052	Pass	
FEELER-2	Surface Distance	-0.056	±0.100	-0.056	Pass	
FEELER-3	Surface Distance	-0.056	±0.100	-0.056	Pass	
FEELER-4	Surface Distance	-0.063	±0.100	-0.063	Pass	
FEELER-5	Surface Distance	-0.063	±0.100	-0.063	Pass	
FEELER-6	Surface Distance	-0.062	±0.100	-0.062	Pass	
FEELER-7	Surface Distance	-0.064	±0.100	-0.064	Pass	
FEELER-8	Surface Distance	-0.061	±0.100	-0.061	Pass	
FEELER-9	Surface Distance	-0.064	±0.100	-0.064	Pass	
FEELER-10	Surface Distance	-0.070	±0.100	-0.070	Pass	
FEELER-11	Surface Distance	-0.076	±0.100	-0.076	Pass	
FEELER-12	Surface Distance	-0.070	±0.100	-0.070	Pass	

Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
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Part name: LG2194-RH
Part number: 71130-3W0A-WA
Piece: piece 2