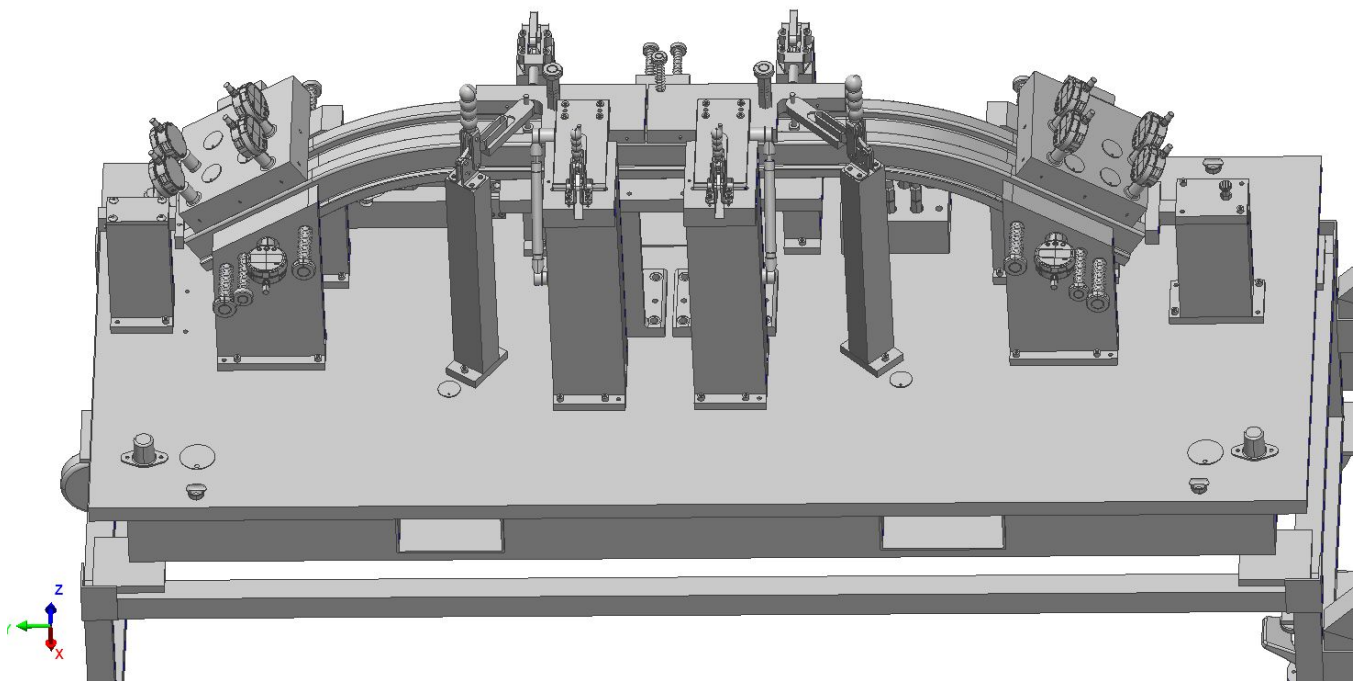


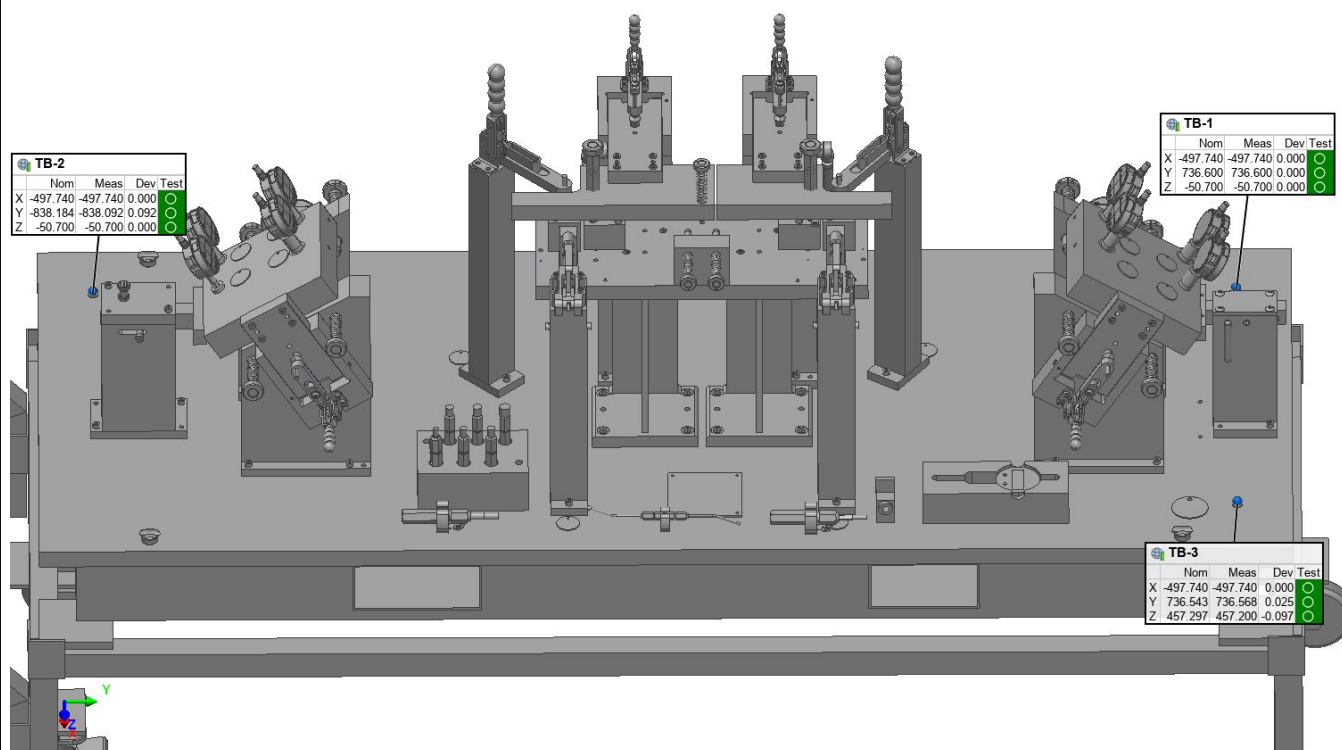
MEASUREMENT REPORT

best-fit meas objects 1



Customer: WHITEHALL INDUSTRIES
Operator: Cesar Hernandez
E-mail: cesar.hernandez@mess.com.mx
Workspace: PROGRAM_MARZO
Project: LG4191_71131-3W0A_rev -
 piece 2

Part name: LG4191
Part number: 71131-3W0A
Drawing : S/R
Device: MESS-BRAA-03



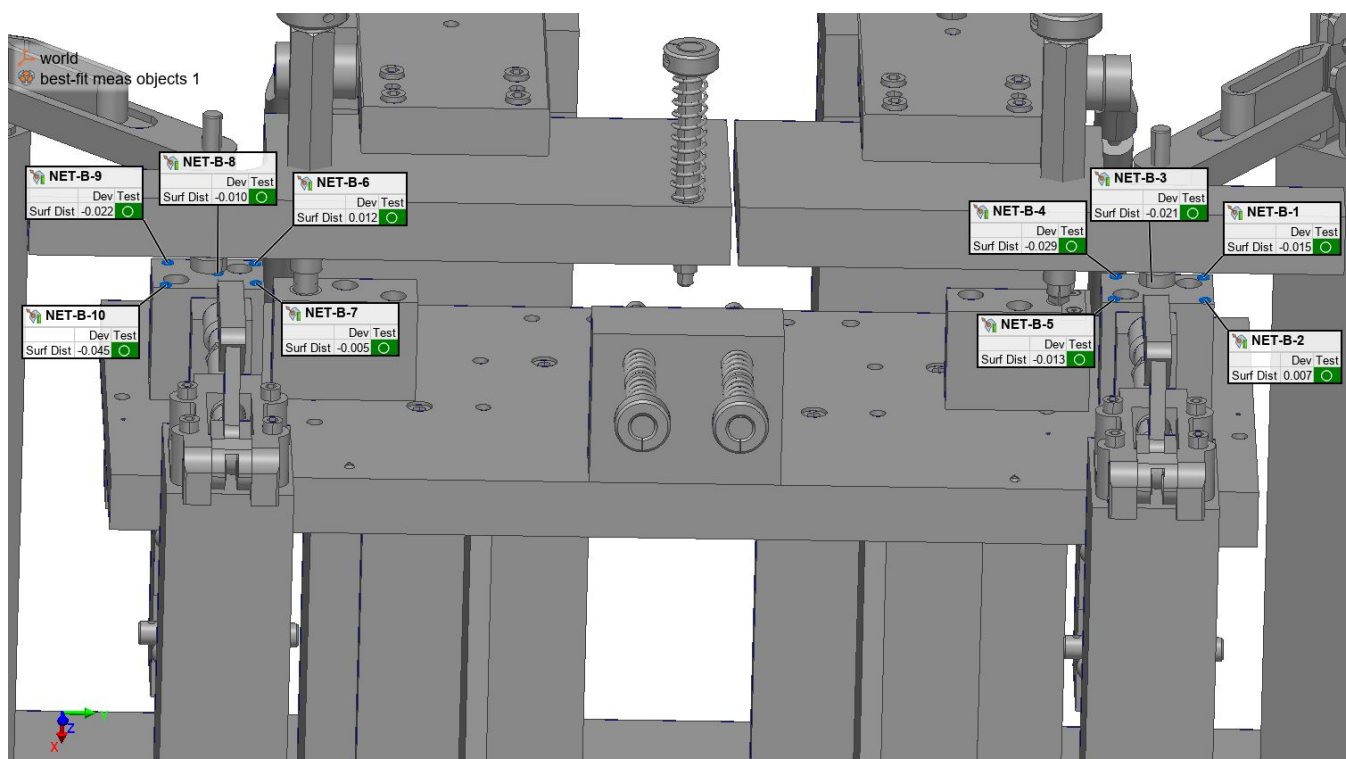
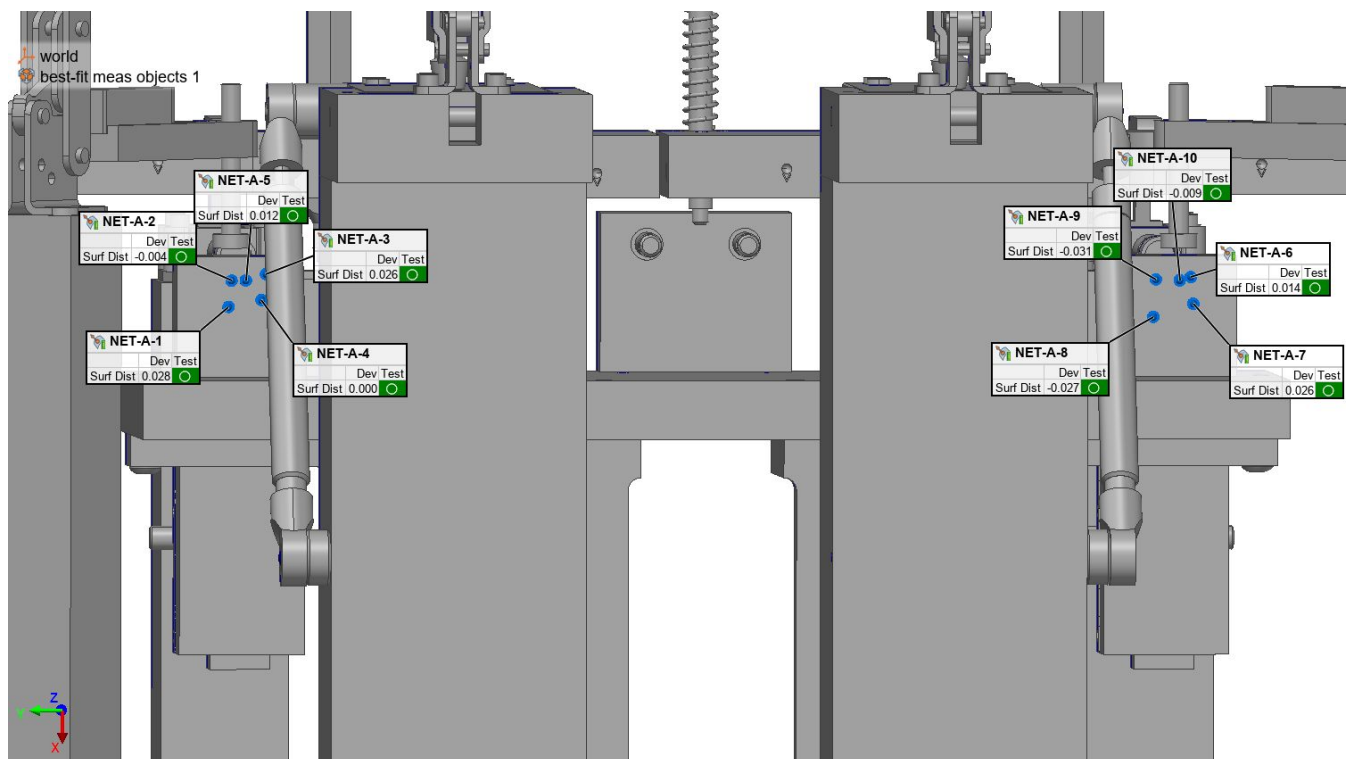
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
TB-1	X	-497.740	-497.740	±0.100	0.000	Pass
	Y	736.600	736.600	±0.100	0.000	Pass
	Z	-50.700	-50.700	±0.100	0.000	Pass
TB-2	X	-497.740	-497.740	±0.100	0.000	Pass
	Y	-838.184	-838.092	±0.100	0.092	Pass
	Z	-50.700	-50.700	±0.100	0.000	Pass
TB-3	X	-497.740	-497.740	±0.100	0.000	Pass
	Y	736.543	736.568	±0.100	0.025	Pass
	Z	457.297	457.200	±0.100	-0.097	Pass
DATUM-D-	X	-836.200	-836.200	±0.100	0.000	Pass
	Y	150.000	150.080	±0.100	0.080	Pass
	Z	252.500	252.408	±0.100	-0.092	Pass
DATUM-E-	X	-836.200	-836.200	±0.100	0.000	Pass
	Y	-150.000	-149.902	±0.100	0.098	Pass
	Z	252.500	252.418	±0.100	-0.082	Pass

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Piece: piece 2



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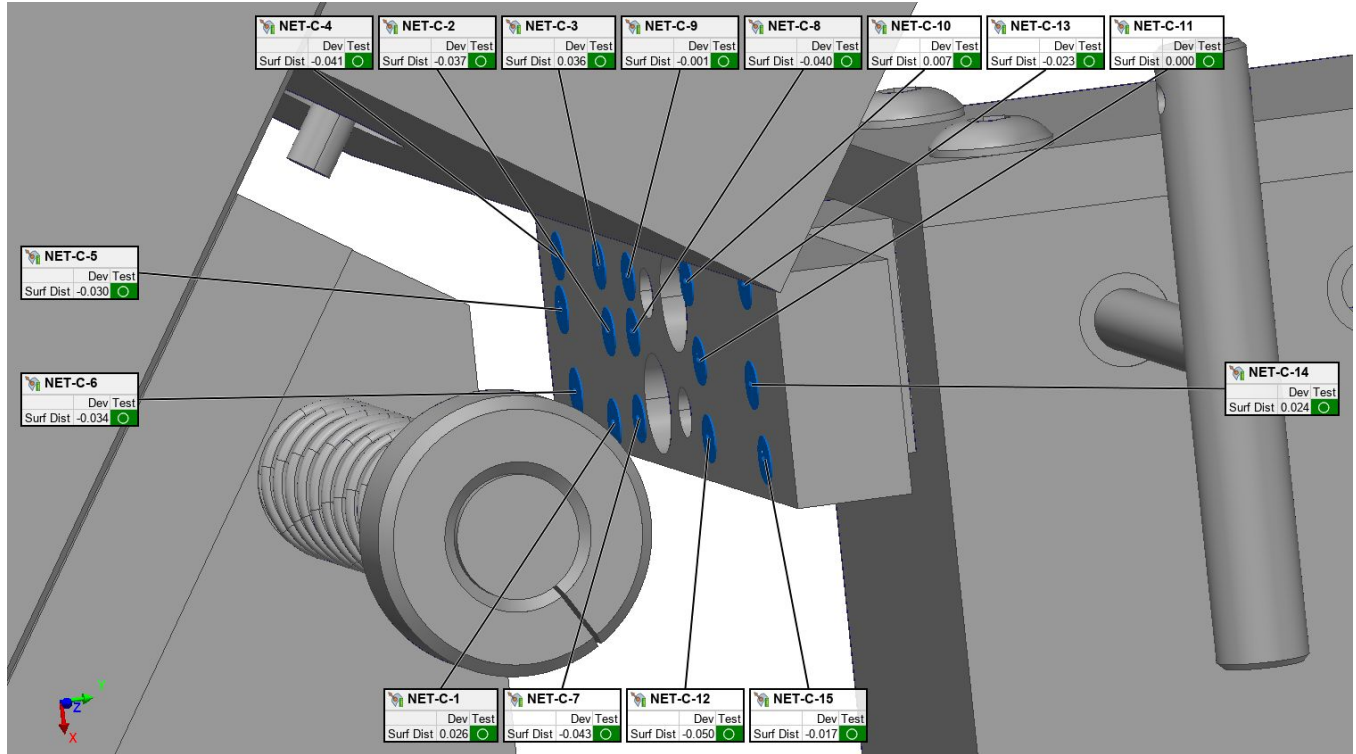
Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
 NET-A-1	Surface Distance	0.028	±0.050	0.028	Pass
 NET-A-2	Surface Distance	-0.004	±0.050	-0.004	Pass
 NET-A-3	Surface Distance	0.026	±0.050	0.026	Pass
 NET-A-4	Surface Distance	0.000	±0.050	0.000	Pass
 NET-A-5	Surface Distance	0.012	±0.050	0.012	Pass
 NET-A-6	Surface Distance	0.014	±0.050	0.014	Pass
 NET-A-7	Surface Distance	0.026	±0.050	0.026	Pass
 NET-A-8	Surface Distance	-0.027	±0.050	-0.027	Pass
 NET-A-9	Surface Distance	-0.031	±0.050	-0.031	Pass
 NET-A-10	Surface Distance	-0.009	±0.050	-0.009	Pass
 NET-B-1	Surface Distance	-0.015	±0.050	-0.015	Pass
 NET-B-2	Surface Distance	0.007	±0.050	0.007	Pass
 NET-B-3	Surface Distance	-0.021	±0.050	-0.021	Pass
 NET-B-4	Surface Distance	-0.029	±0.050	-0.029	Pass
 NET-B-5	Surface Distance	-0.013	±0.050	-0.013	Pass
 NET-B-6	Surface Distance	0.012	±0.050	0.012	Pass
 NET-B-7	Surface Distance	-0.005	±0.050	-0.005	Pass
 NET-B-8	Surface Distance	-0.010	±0.050	-0.010	Pass
 NET-B-9	Surface Distance	-0.022	±0.050	-0.022	Pass
 NET-B-10	Surface Distance	-0.045	±0.050	-0.045	Pass

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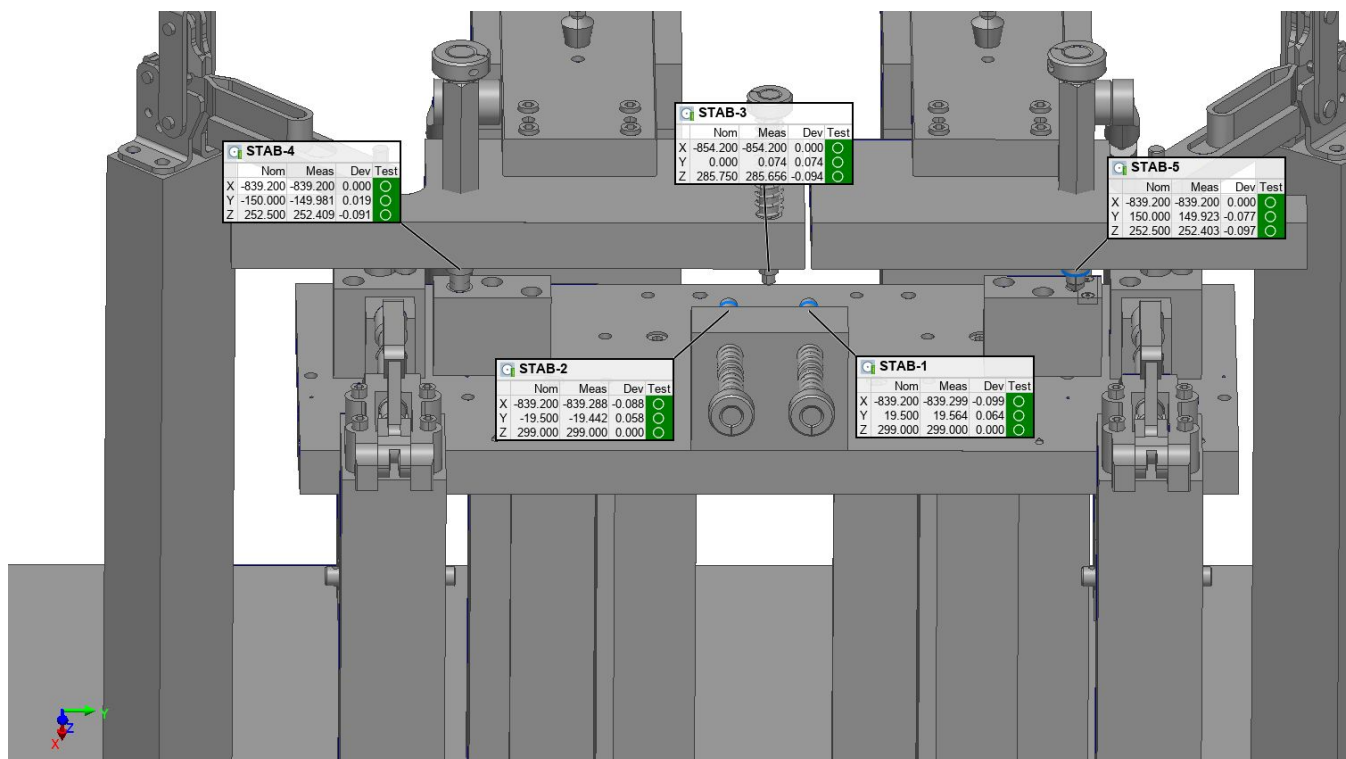
Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
NET-C-1	Surface Distance	0.026	±0.050	0.026	Pass
NET-C-2	Surface Distance	-0.037	±0.050	-0.037	Pass
NET-C-3	Surface Distance	0.036	±0.050	0.036	Pass
NET-C-4	Surface Distance	-0.041	±0.050	-0.041	Pass
NET-C-5	Surface Distance	-0.030	±0.050	-0.030	Pass
NET-C-6	Surface Distance	-0.034	±0.050	-0.034	Pass
NET-C-7	Surface Distance	-0.043	±0.050	-0.043	Pass
NET-C-8	Surface Distance	-0.040	±0.050	-0.040	Pass
NET-C-9	Surface Distance	-0.001	±0.050	-0.001	Pass
NET-C-10	Surface Distance	0.007	±0.050	0.007	Pass
NET-C-11	Surface Distance	0.000	±0.050	0.000	Pass
NET-C-12	Surface Distance	-0.050	±0.050	-0.050	Pass
NET-C-13	Surface Distance	-0.023	±0.050	-0.023	Pass
NET-C-14	Surface Distance	0.024	±0.050	0.024	Pass
NET-C-15	Surface Distance	-0.017	±0.050	-0.017	Pass

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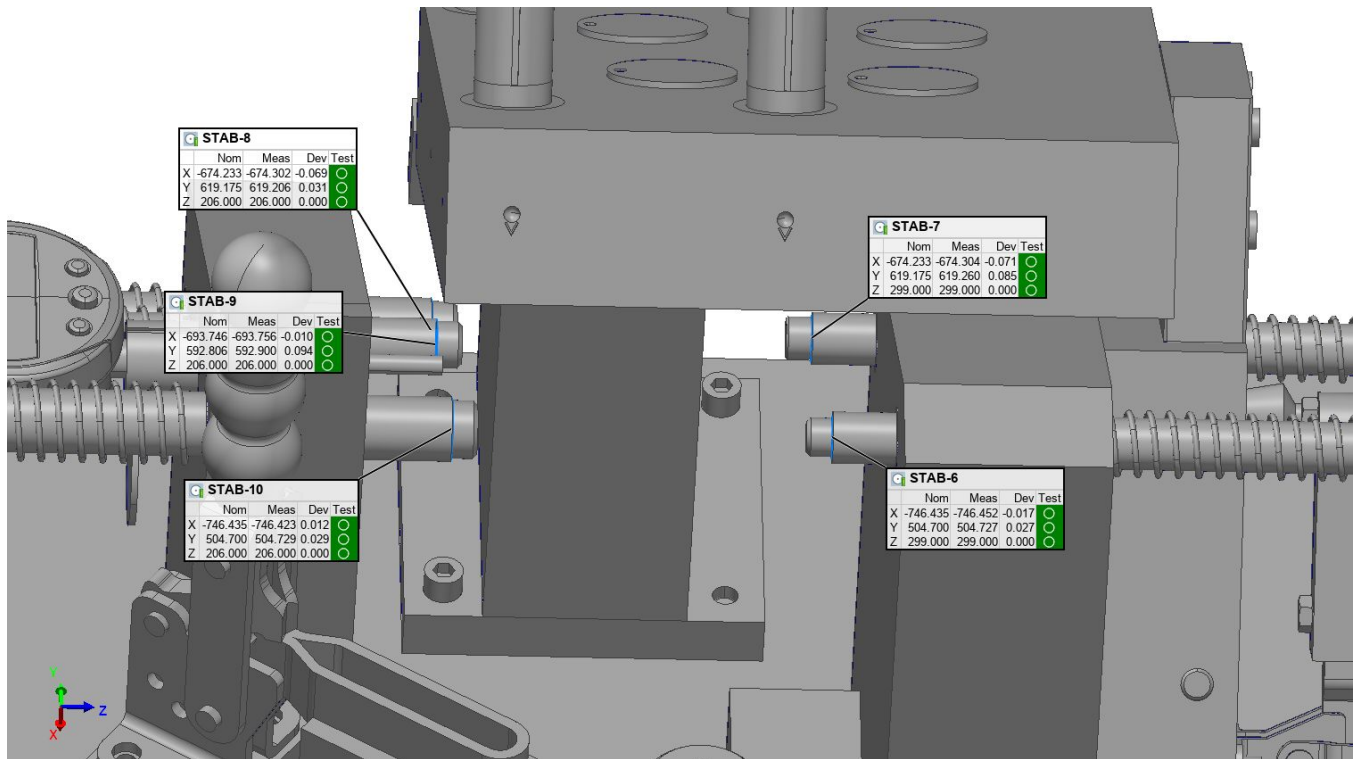
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-1	X	-839.200	-839.299	±0.100	-0.099	Pass
	Y	19.500	19.564	±0.100	0.064	Pass
	Z	299.000	299.000	±0.100	0.000	Pass
STAB-2	X	-839.200	-839.288	±0.100	-0.088	Pass
	Y	-19.500	-19.442	±0.100	0.058	Pass
	Z	299.000	299.000	±0.100	0.000	Pass
STAB-3	X	-854.200	-854.200	±0.100	0.000	Pass
	Y	0.000	0.074	±0.100	0.074	Pass
	Z	285.750	285.656	±0.100	-0.094	Pass
STAB-4	X	-839.200	-839.200	±0.100	0.000	Pass
	Y	-150.000	-149.981	±0.100	0.019	Pass
	Z	252.500	252.409	±0.100	-0.091	Pass
STAB-5	X	-839.200	-839.200	±0.100	0.000	Pass
	Y	150.000	149.923	±0.100	-0.077	Pass
	Z	252.500	252.403	±0.100	-0.097	Pass

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Piece: piece 2



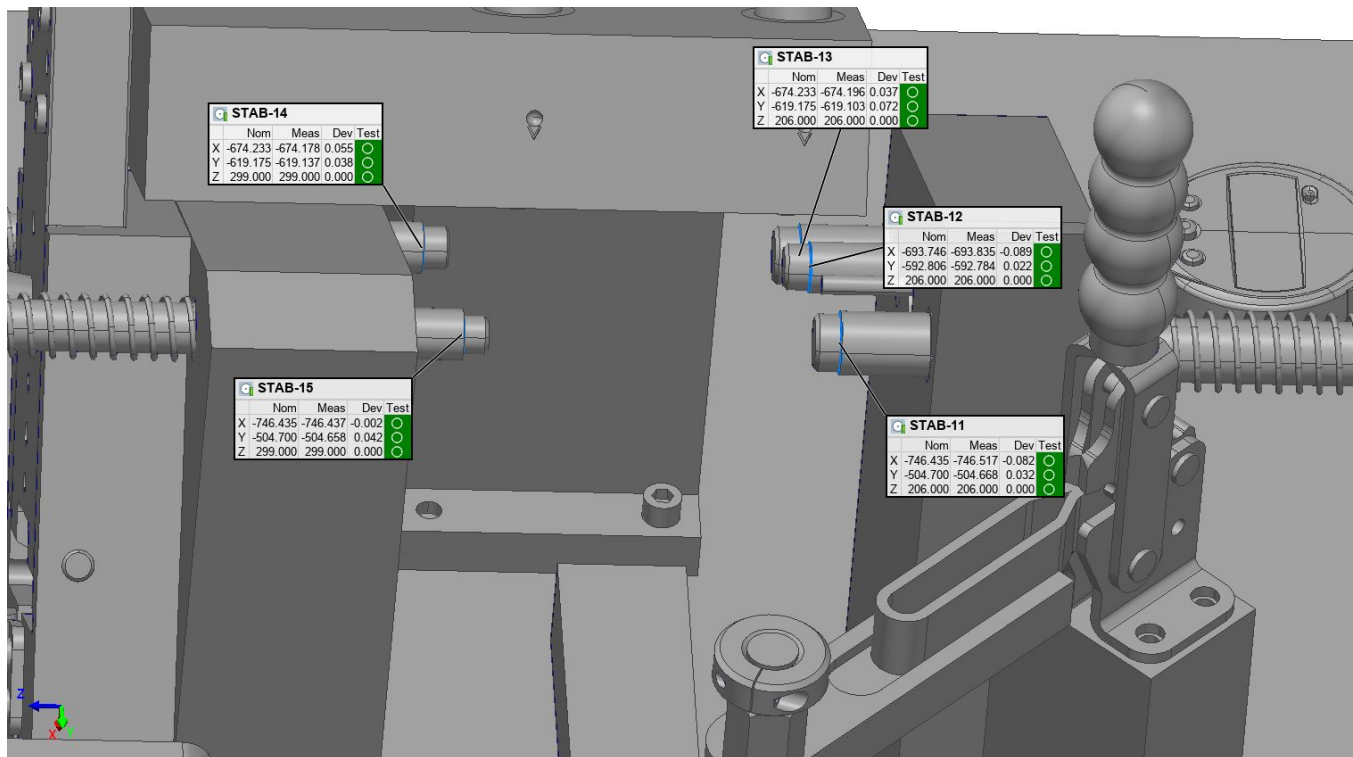
Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-6	X	-746.435	-746.452	±0.100	-0.017	Pass
	Y	504.700	504.727	±0.100	0.027	Pass
	Z	299.000	299.000	±0.100	0.000	Pass
STAB-7	X	-674.233	-674.304	±0.100	-0.071	Pass
	Y	619.175	619.260	±0.100	0.085	Pass
	Z	299.000	299.000	±0.100	0.000	Pass
STAB-8	X	-674.233	-674.302	±0.100	-0.069	Pass
	Y	619.175	619.206	±0.100	0.031	Pass
	Z	206.000	206.000	±0.100	0.000	Pass
STAB-9	X	-693.746	-693.756	±0.100	-0.010	Pass
	Y	592.806	592.900	±0.100	0.094	Pass
	Z	206.000	206.000	±0.100	0.000	Pass
STAB-10	X	-746.435	-746.423	±0.100	0.012	Pass
	Y	504.700	504.729	±0.100	0.029	Pass
	Z	206.000	206.000	±0.100	0.000	Pass

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Part name: LG4191
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Feature Table

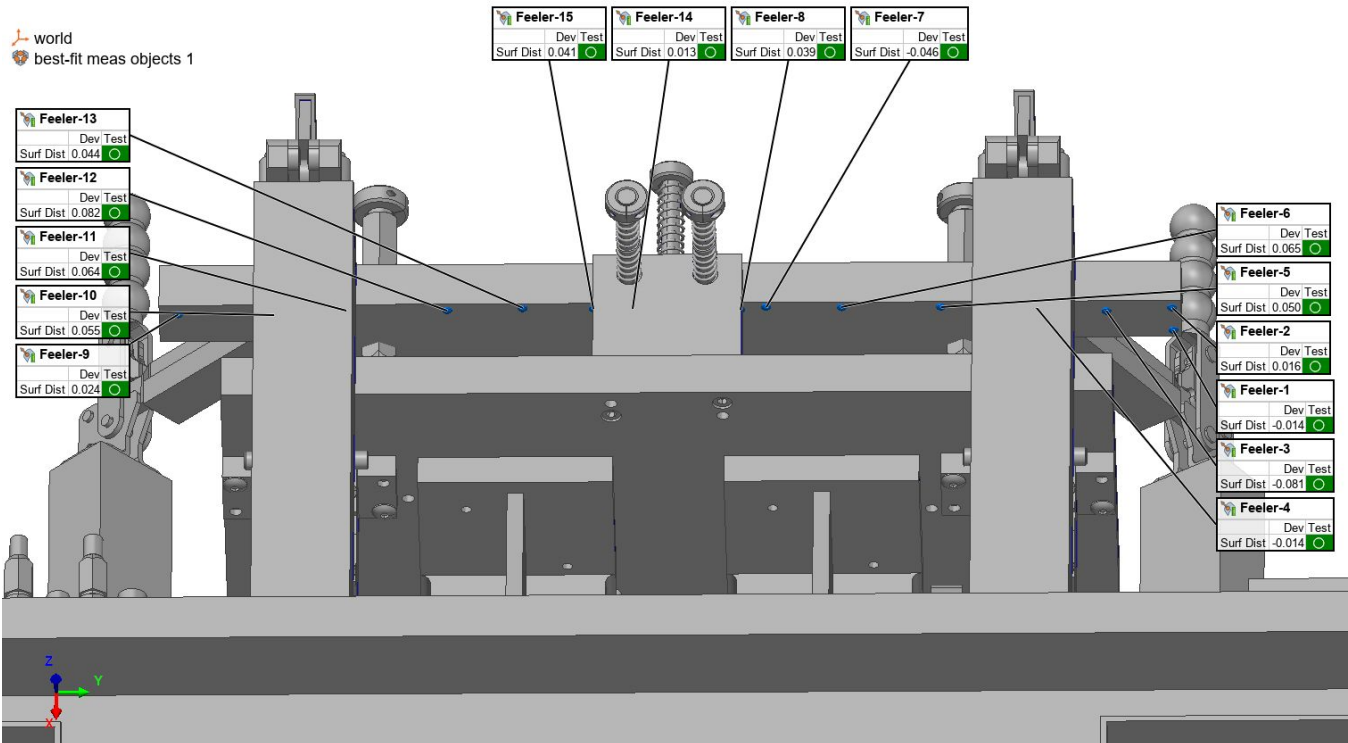
Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
STAB-11	X	-746.435	-746.517	±0.100	-0.082	Pass
	Y	-504.700	-504.668	±0.100	0.032	Pass
	Z	206.000	206.000	±0.100	0.000	Pass
STAB-12	X	-693.746	-693.835	±0.100	-0.089	Pass
	Y	-592.806	-592.784	±0.100	0.022	Pass
	Z	206.000	206.000	±0.100	0.000	Pass
STAB-13	X	-674.233	-674.196	±0.100	0.037	Pass
	Y	-619.175	-619.103	±0.100	0.072	Pass
	Z	206.000	206.000	±0.100	0.000	Pass
STAB-14	X	-674.233	-674.178	±0.100	0.055	Pass
	Y	-619.175	-619.137	±0.100	0.038	Pass
	Z	299.000	299.000	±0.100	0.000	Pass
STAB-15	X	-746.435	-746.437	±0.100	-0.002	Pass
	Y	-504.700	-504.658	±0.100	0.042	Pass
	Z	299.000	299.000	±0.100	0.000	Pass

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Part name: LG4191
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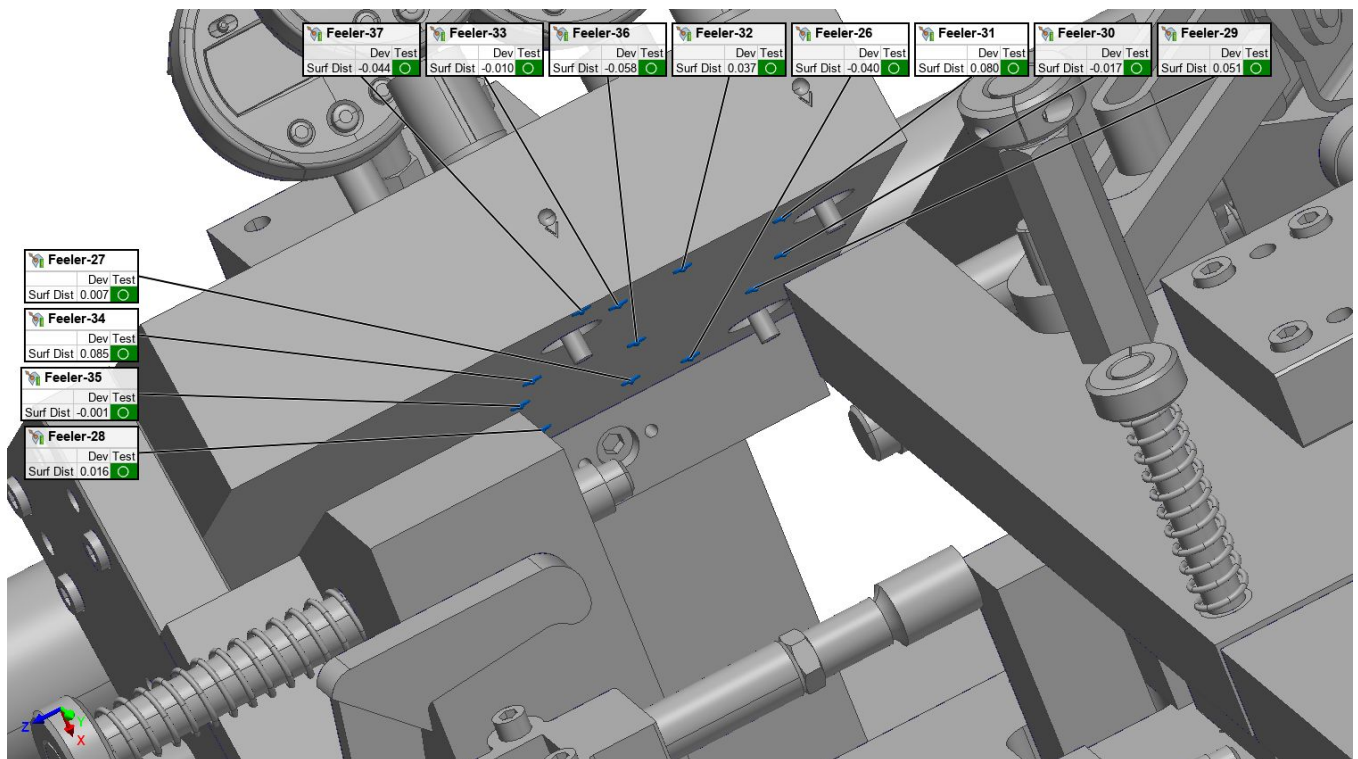
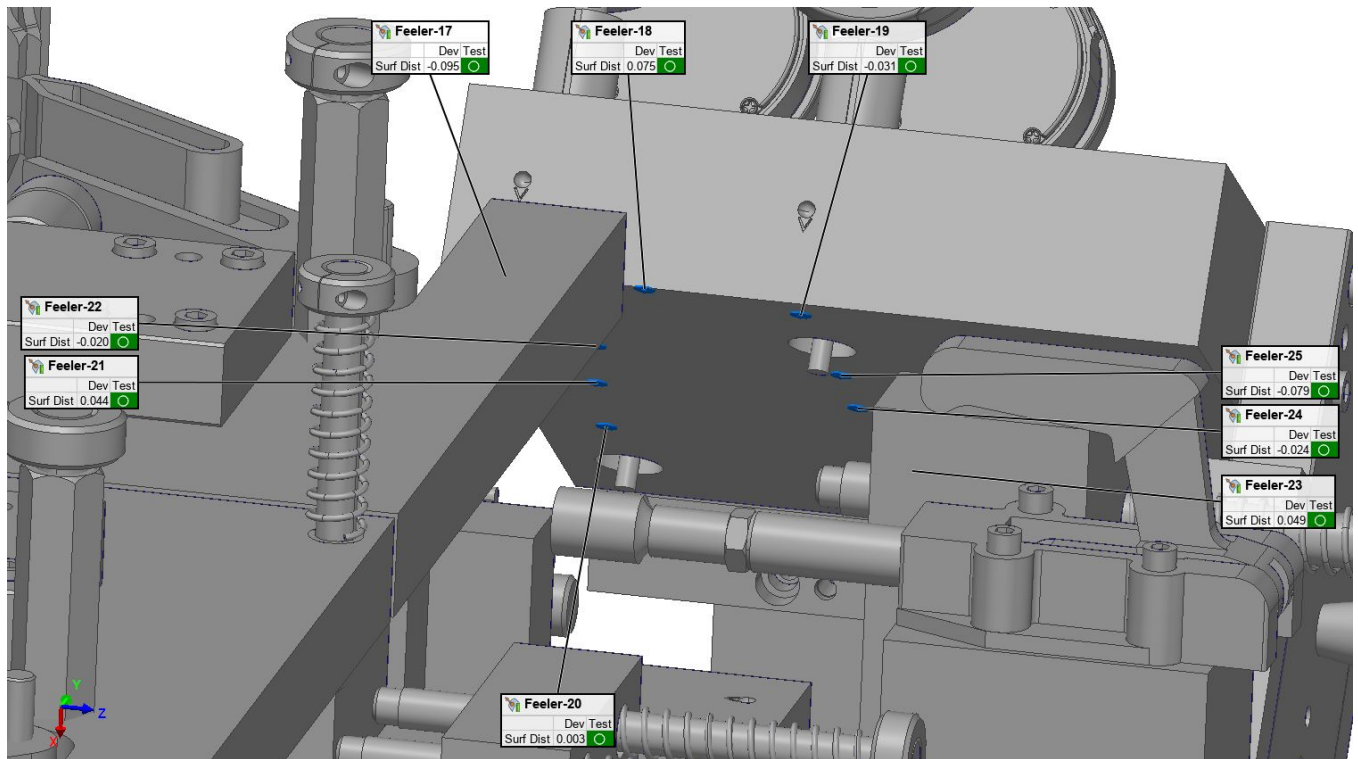
Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
Feeler-1	Surface Distance	-0.014	±0.100	-0.014	Pass
Feeler-2	Surface Distance	0.016	±0.100	0.016	Pass
Feeler-3	Surface Distance	-0.081	±0.100	-0.081	Pass
Feeler-4	Surface Distance	-0.014	±0.100	-0.014	Pass
Feeler-5	Surface Distance	0.050	±0.100	0.050	Pass
Feeler-6	Surface Distance	0.065	±0.100	0.065	Pass
Feeler-7	Surface Distance	-0.046	±0.100	-0.046	Pass
Feeler-8	Surface Distance	0.039	±0.100	0.039	Pass
Feeler-9	Surface Distance	0.024	±0.100	0.024	Pass
Feeler-10	Surface Distance	0.055	±0.100	0.055	Pass
Feeler-11	Surface Distance	0.064	±0.100	0.064	Pass
Feeler-12	Surface Distance	0.082	±0.100	0.082	Pass
Feeler-13	Surface Distance	0.044	±0.100	0.044	Pass
Feeler-14	Surface Distance	0.013	±0.100	0.013	Pass
Feeler-15	Surface Distance	0.041	±0.100	0.041	Pass

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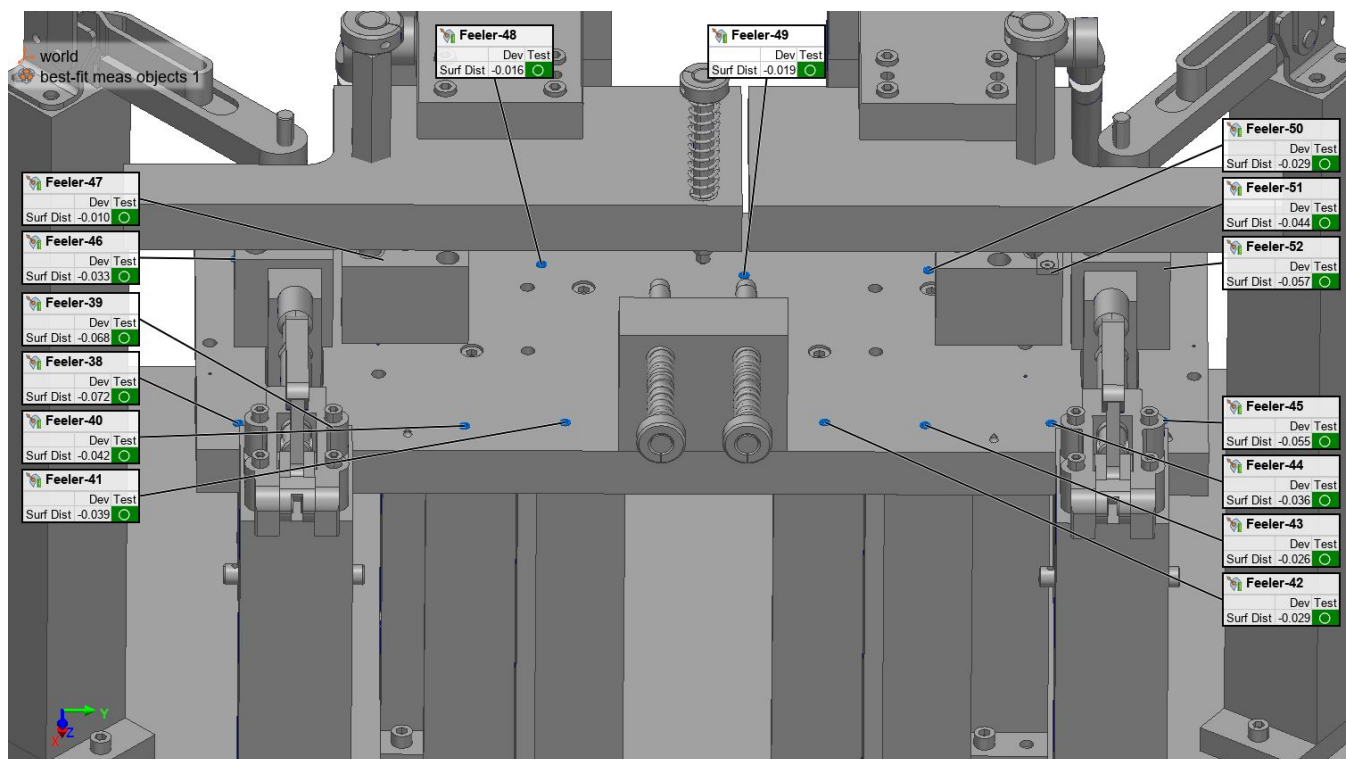
Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
 Feeler-17	Surface Distance	-0.095	±0.100	-0.095	Pass
 Feeler-18	Surface Distance	0.075	±0.100	0.075	Pass
 Feeler-19	Surface Distance	-0.031	±0.100	-0.031	Pass
 Feeler-20	Surface Distance	0.003	±0.100	0.003	Pass
 Feeler-21	Surface Distance	0.044	±0.100	0.044	Pass
 Feeler-22	Surface Distance	-0.020	±0.100	-0.020	Pass
 Feeler-23	Surface Distance	0.049	±0.100	0.049	Pass
 Feeler-24	Surface Distance	-0.024	±0.100	-0.024	Pass
 Feeler-25	Surface Distance	-0.079	±0.100	-0.079	Pass
 Feeler-26	Surface Distance	-0.040	±0.100	-0.040	Pass
 Feeler-27	Surface Distance	0.007	±0.100	0.007	Pass
 Feeler-28	Surface Distance	0.016	±0.100	0.016	Pass
 Feeler-29	Surface Distance	0.051	±0.100	0.051	Pass
 Feeler-30	Surface Distance	-0.017	±0.100	-0.017	Pass
 Feeler-31	Surface Distance	0.080	±0.100	0.080	Pass
 Feeler-32	Surface Distance	0.037	±0.100	0.037	Pass
 Feeler-33	Surface Distance	-0.010	±0.100	-0.010	Pass
 Feeler-34	Surface Distance	0.085	±0.100	0.085	Pass
 Feeler-35	Surface Distance	-0.001	±0.100	-0.001	Pass
 Feeler-36	Surface Distance	-0.058	±0.100	-0.058	Pass
 Feeler-37	Surface Distance	-0.044	±0.100	-0.044	Pass

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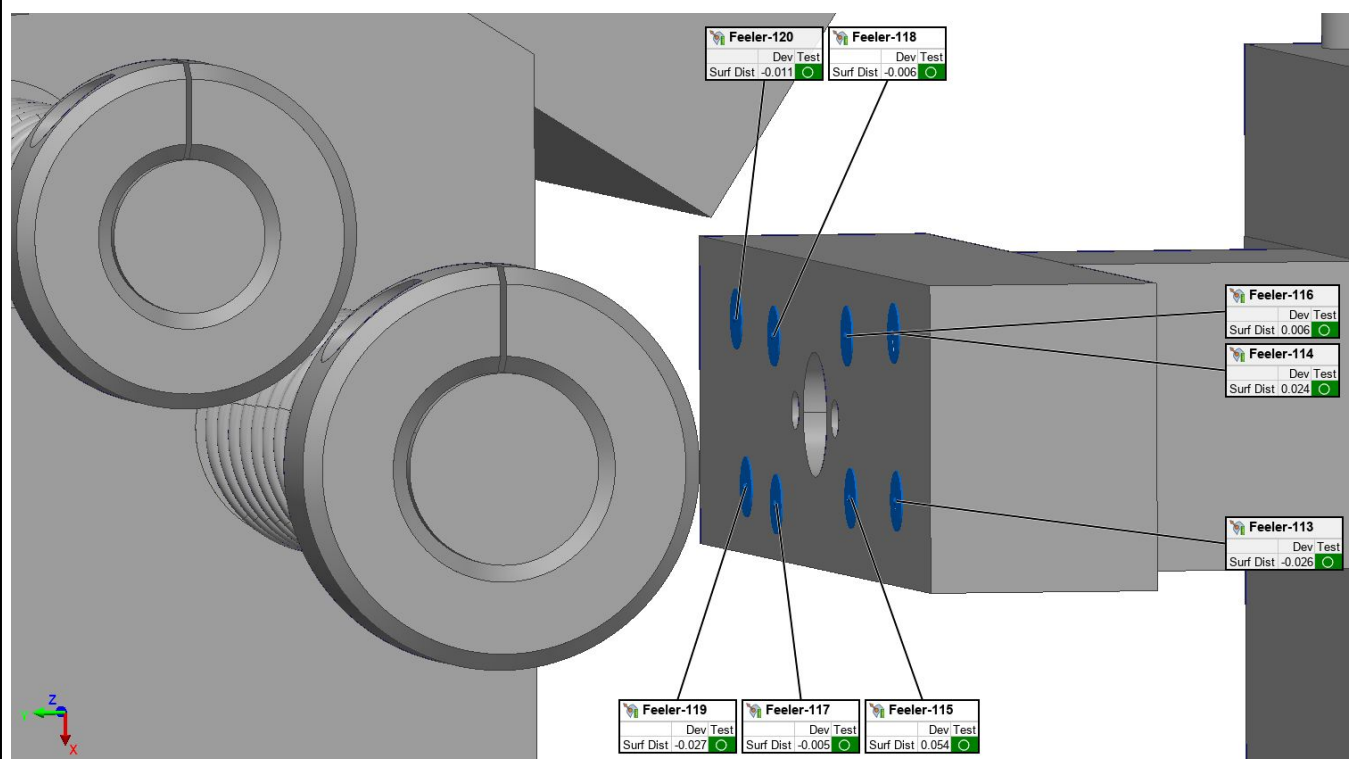
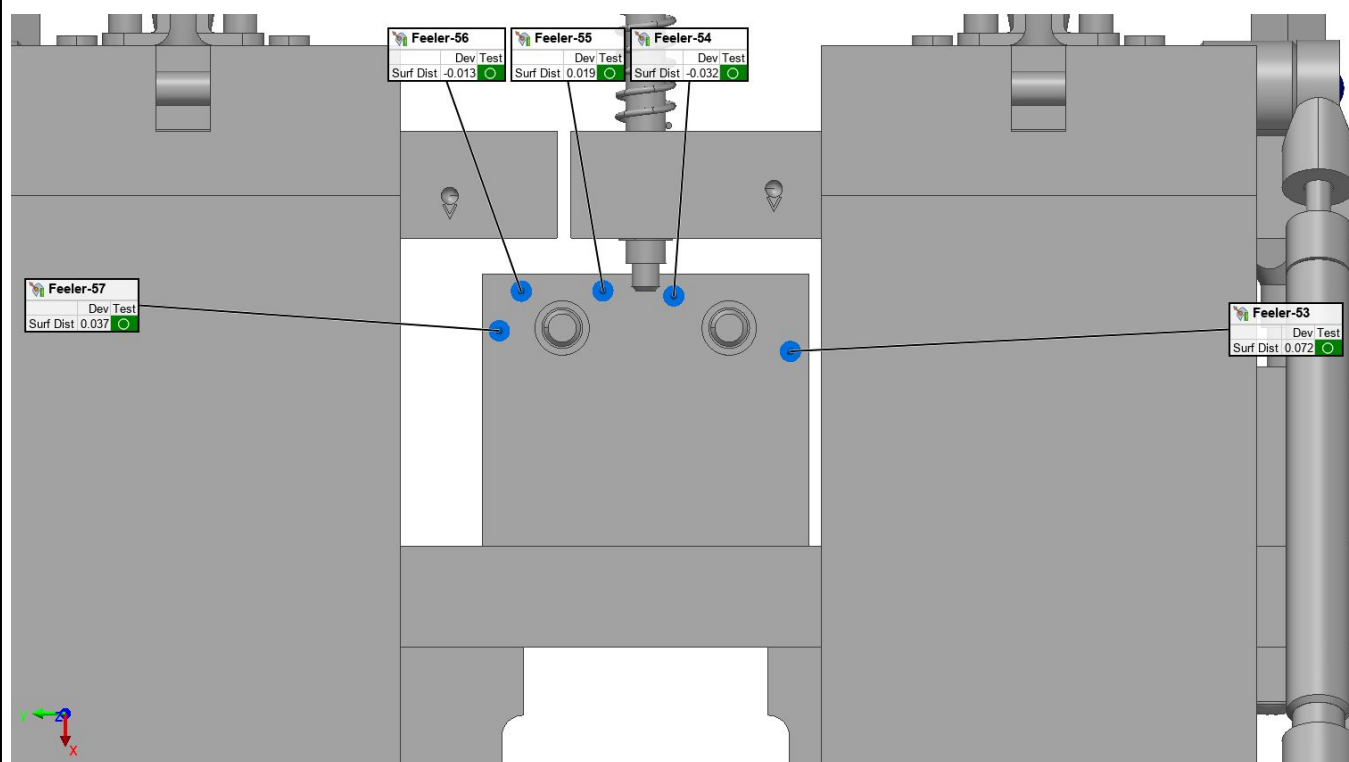
Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
Feeler-38	Surface Distance	-0.072	±0.100	-0.072	Pass
Feeler-39	Surface Distance	-0.068	±0.100	-0.068	Pass
Feeler-40	Surface Distance	-0.042	±0.100	-0.042	Pass
Feeler-41	Surface Distance	-0.039	±0.100	-0.039	Pass
Feeler-42	Surface Distance	-0.029	±0.100	-0.029	Pass
Feeler-43	Surface Distance	-0.026	±0.100	-0.026	Pass
Feeler-44	Surface Distance	-0.036	±0.100	-0.036	Pass
Feeler-45	Surface Distance	-0.055	±0.100	-0.055	Pass
Feeler-46	Surface Distance	-0.033	±0.100	-0.033	Pass
Feeler-47	Surface Distance	-0.010	±0.100	-0.010	Pass
Feeler-48	Surface Distance	-0.016	±0.100	-0.016	Pass
Feeler-49	Surface Distance	-0.019	±0.100	-0.019	Pass
Feeler-50	Surface Distance	-0.029	±0.100	-0.029	Pass
Feeler-51	Surface Distance	-0.044	±0.100	-0.044	Pass
Feeler-52	Surface Distance	-0.057	±0.100	-0.057	Pass

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Comparison Point Table

Units Millimeters

Name	Control	Meas	Tol	Dev	Test
 Feeler-53	Surface Distance	0.072	±0.100	0.072	Pass
 Feeler-54	Surface Distance	-0.032	±0.100	-0.032	Pass
 Feeler-55	Surface Distance	0.019	±0.100	0.019	Pass
 Feeler-56	Surface Distance	-0.013	±0.100	-0.013	Pass
 Feeler-57	Surface Distance	0.037	±0.100	0.037	Pass
 Feeler-113	Surface Distance	-0.026	±0.100	-0.026	Pass
 Feeler-114	Surface Distance	0.024	±0.100	0.024	Pass
 Feeler-115	Surface Distance	0.054	±0.100	0.054	Pass
 Feeler-116	Surface Distance	0.006	±0.100	0.006	Pass
 Feeler-117	Surface Distance	-0.005	±0.100	-0.005	Pass
 Feeler-118	Surface Distance	-0.006	±0.100	-0.006	Pass
 Feeler-119	Surface Distance	-0.027	±0.100	-0.027	Pass
 Feeler-120	Surface Distance	-0.011	±0.100	-0.011	Pass

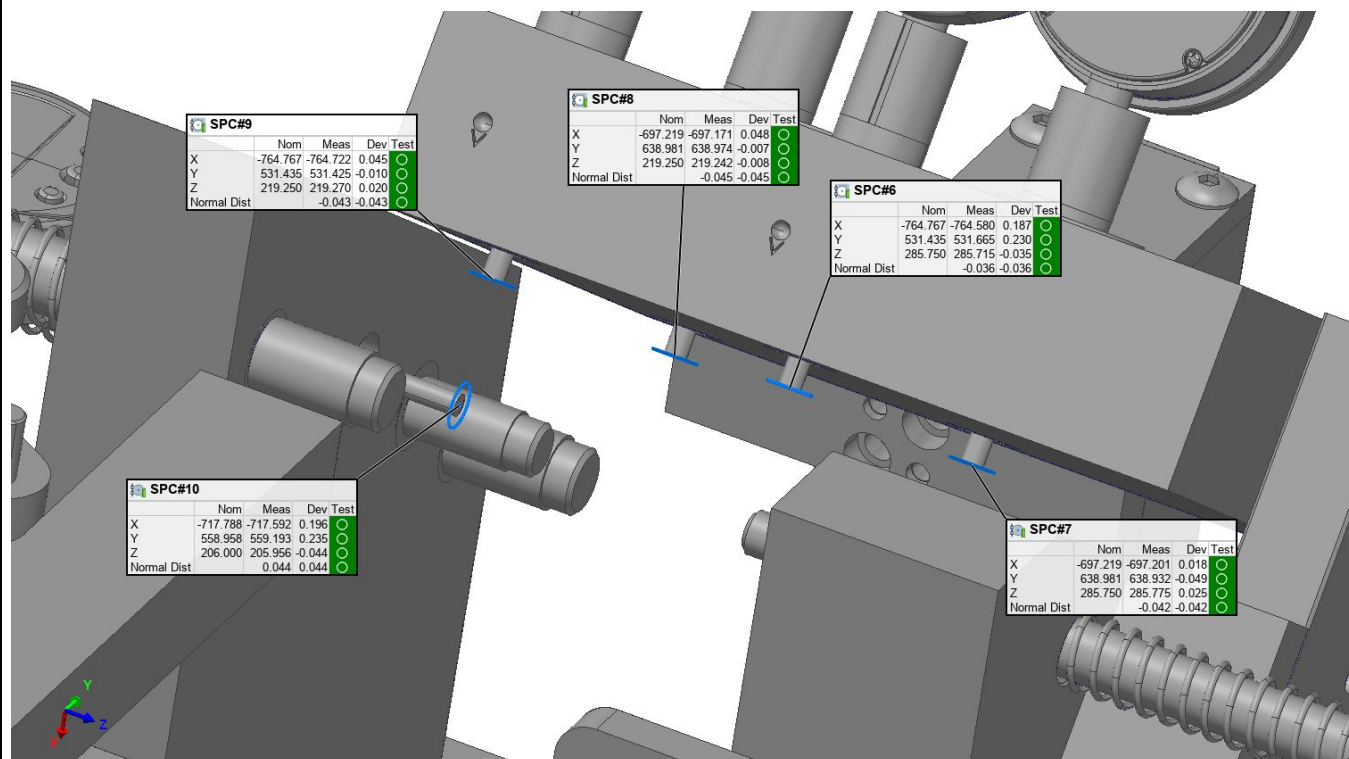
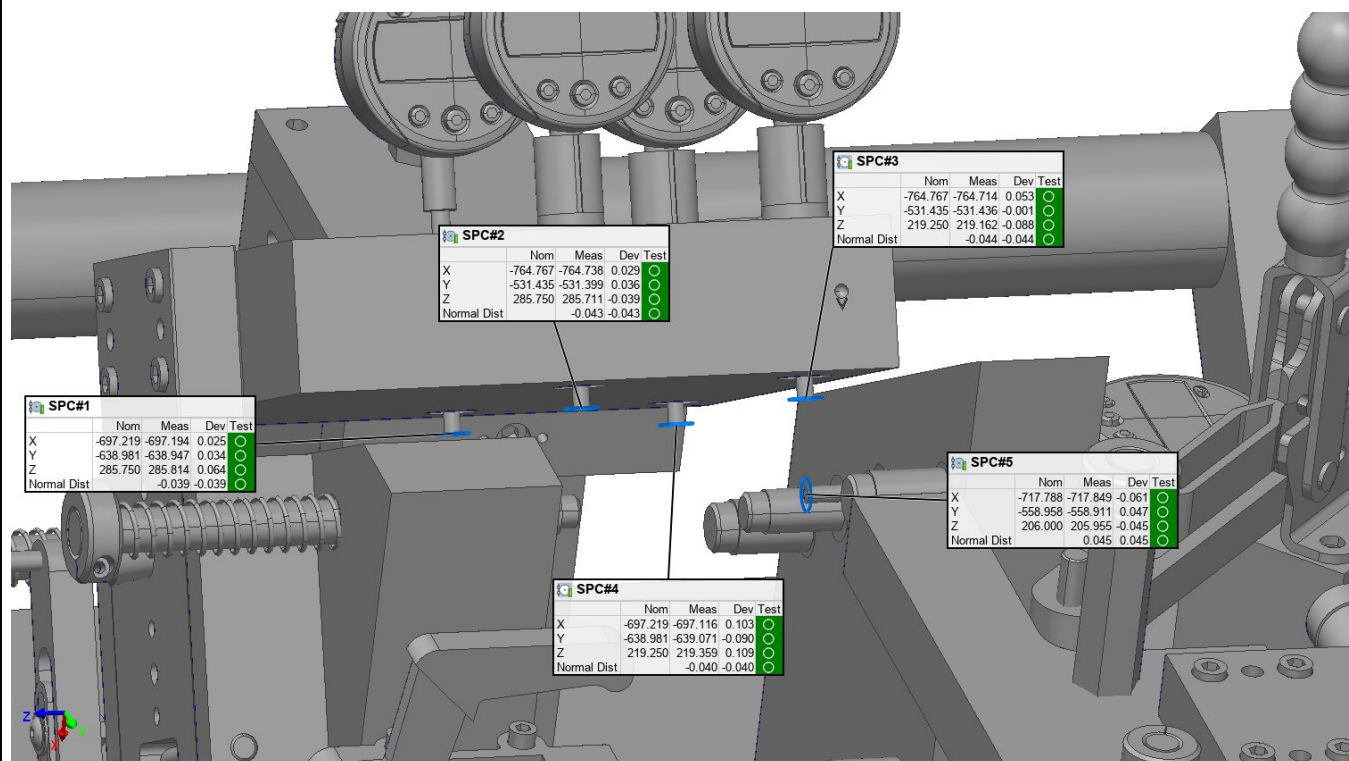
MASTER

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 MASTER 55 mm	3D Distance	55.000	55.012	±0.050	0.012	Pass

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Feature Table

Length Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
SPC#1	X	-697.219	-697.194	±0.250	0.025	Pass
	Y	-638.981	-638.947	±0.250	0.034	Pass
	Z	285.750	285.814	±0.250	0.064	Pass
	Normal Distance		-0.039	±0.050	-0.039	Pass
SPC#2	X	-764.767	-764.738	±0.250	0.029	Pass
	Y	-531.435	-531.399	±0.250	0.036	Pass
	Z	285.750	285.711	±0.250	-0.039	Pass
	Normal Distance		-0.043	±0.050	-0.043	Pass
SPC#3	X	-764.767	-764.714	±0.250	0.053	Pass
	Y	-531.435	-531.436	±0.250	-0.001	Pass
	Z	219.250	219.162	±0.250	-0.088	Pass
	Normal Distance		-0.044	±0.050	-0.044	Pass
SPC#4	X	-697.219	-697.116	±0.250	0.103	Pass
	Y	-638.981	-639.071	±0.250	-0.090	Pass
	Z	219.250	219.359	±0.250	0.109	Pass
	Normal Distance		-0.040	±0.050	-0.040	Pass
SPC#5	X	-717.788	-717.849	±0.250	-0.061	Pass
	Y	-558.958	-558.911	±0.250	0.047	Pass
	Z	206.000	205.955	±0.250	-0.045	Pass
	Normal Distance		0.045	±0.050	0.045	Pass
SPC#6	X	-764.767	-764.580	±0.250	0.187	Pass
	Y	531.435	531.665	±0.250	0.230	Pass
	Z	285.750	285.715	±0.250	-0.035	Pass
	Normal Distance		-0.036	±0.050	-0.036	Pass
SPC#7	X	-697.219	-697.201	±0.250	0.018	Pass
	Y	638.981	638.932	±0.250	-0.049	Pass
	Z	285.750	285.775	±0.250	0.025	Pass
	Normal Distance		-0.042	±0.050	-0.042	Pass
SPC#8	X	-697.219	-697.171	±0.250	0.048	Pass
	Y	638.981	638.974	±0.250	-0.007	Pass
	Z	219.250	219.242	±0.250	-0.008	Pass
	Normal Distance		-0.045	±0.050	-0.045	Pass
SPC#9	X	-764.767	-764.722	±0.250	0.045	Pass
	Y	531.435	531.425	±0.250	-0.010	Pass
	Z	219.250	219.270	±0.250	0.020	Pass
	Normal Distance		-0.043	±0.050	-0.043	Pass
SPC#10	X	-717.788	-717.592	±0.250	0.196	Pass
	Y	558.958	559.193	±0.250	0.235	Pass
	Z	206.000	205.956	±0.250	-0.044	Pass
	Normal Distance		0.044	±0.050	0.044	Pass

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