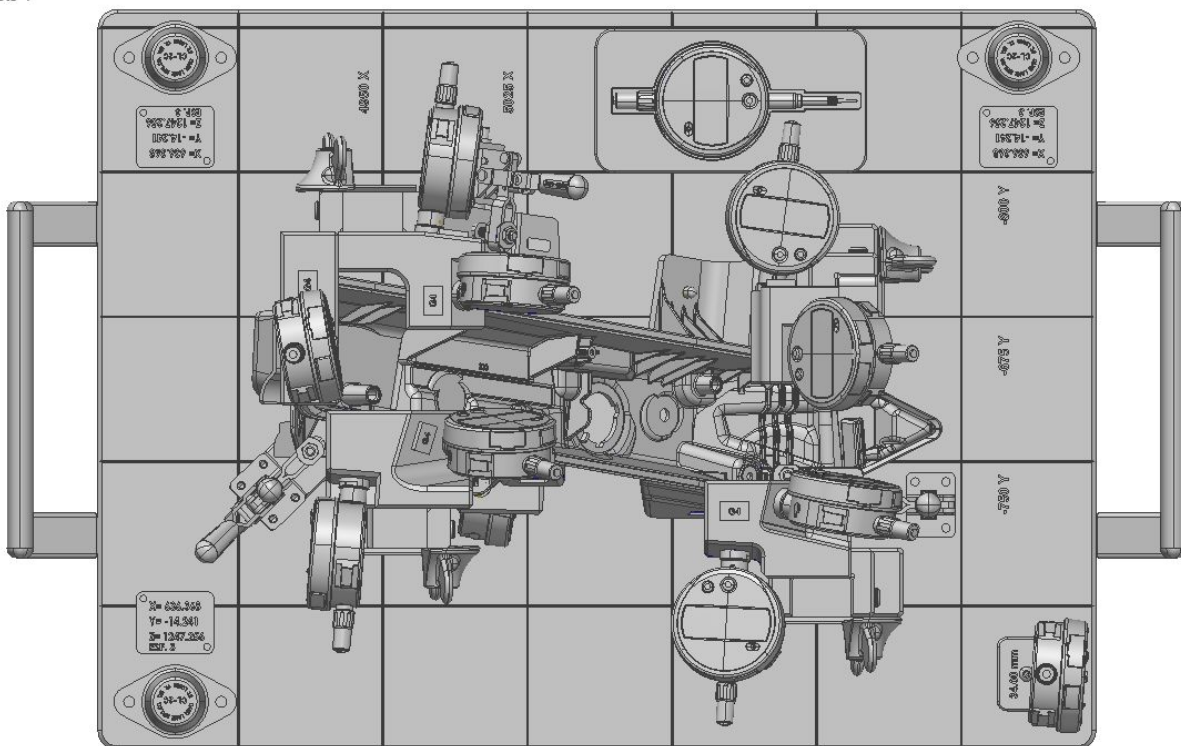


MEASUREMENT REPORT

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Customer: GD COMPONENTS DE MEXICO

Operator: Felipe Martinez

E-mail: felipe.martinez@mess.com.mx

Workspace: MEDICION DISPOSITIVO

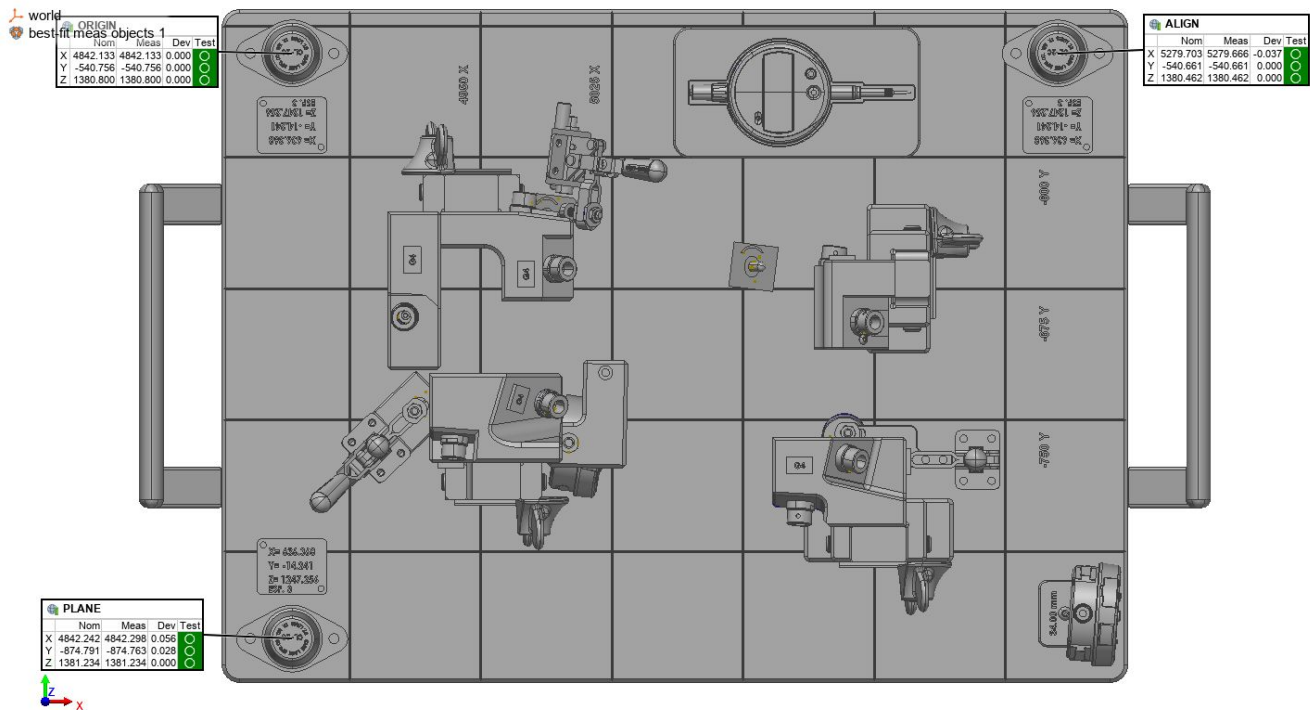
Project: FX-44_263.173-01 - piece 1

Part name: FX-44

Part number: 263.173-01

Drawing : S/R

Device: MESS-BRAA-003



Feature Table

Length Units Millimeters

ORIGIN

Control	Nom	Meas	Tol	Dev	Test
X	4842.133	4842.133	±0.200	0.000	Pass
Y	-540.756	-540.756	±0.200	0.000	Pass
Z	1380.800	1380.800	±0.200	0.000	Pass

ALIGN

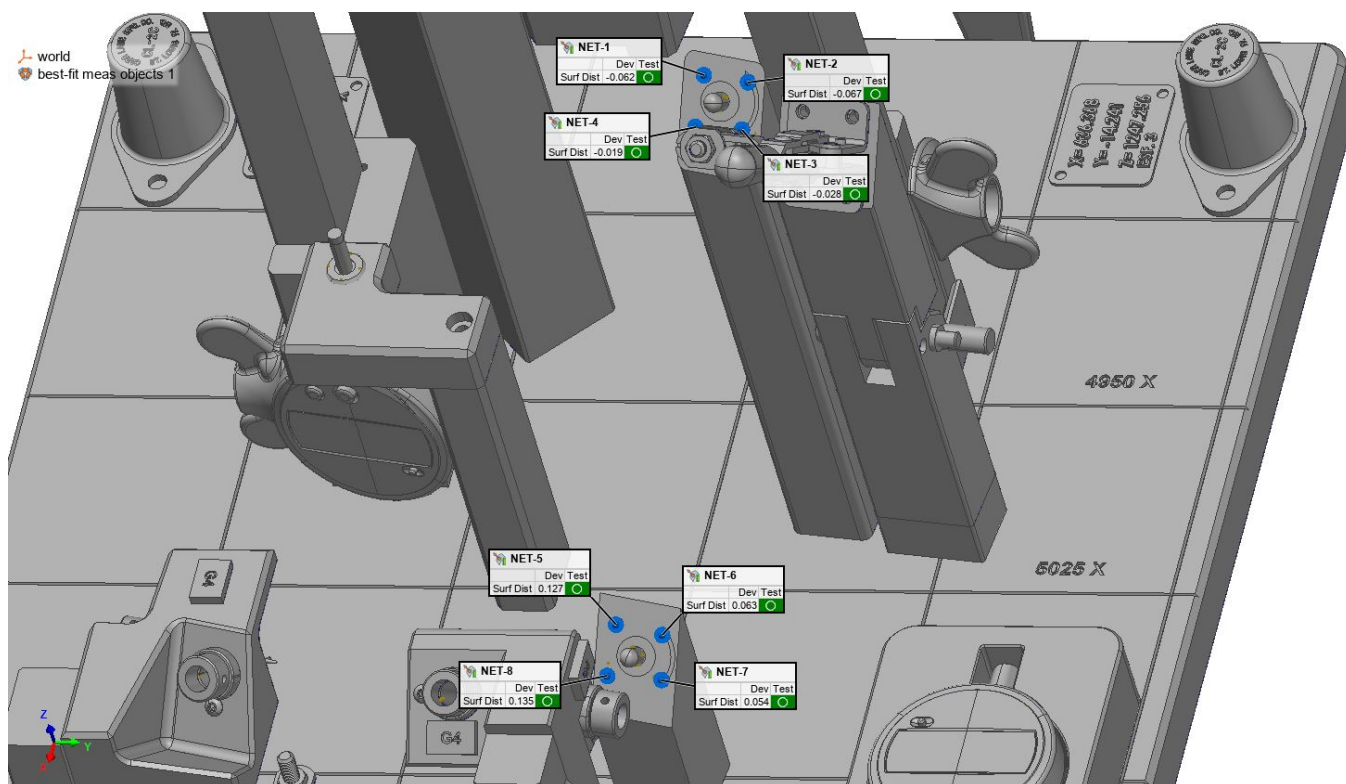
Control	Nom	Meas	Tol	Dev	Test
X	5279.703	5279.666	±0.200	-0.037	Pass
Y	-540.661	-540.661	±0.200	0.000	Pass
Z	1380.462	1380.462	±0.200	0.000	Pass

PLANE

Control	Nom	Meas	Tol	Dev	Test
X	4842.242	4842.298	±0.200	0.056	Pass
Y	-874.791	-874.763	±0.200	0.028	Pass
Z	1381.234	1381.234	±0.200	0.000	Pass

Customer: GD COMPONENTS DE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: FX-44
Part number: 263.173-01
Piece: piece 1



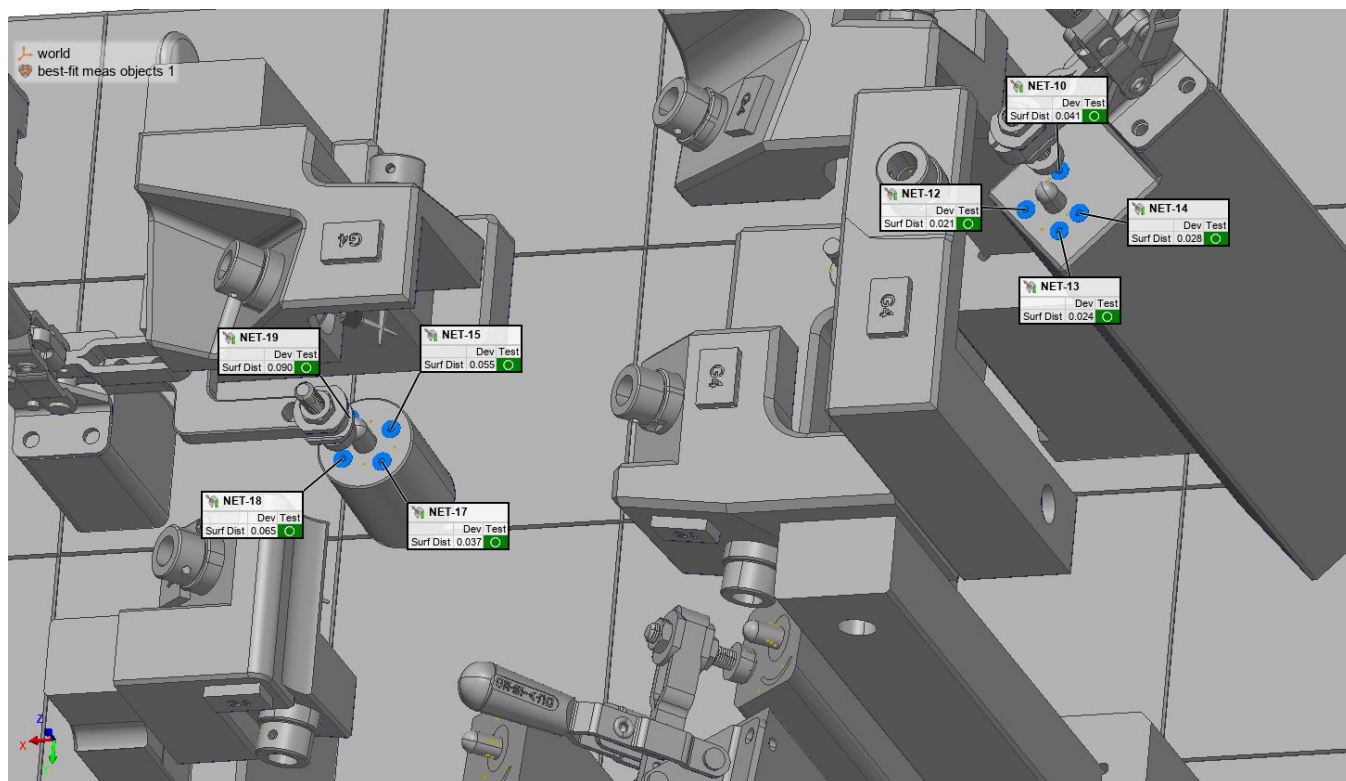
Comparison Point Table

Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
NET-1	Surface Distance		-0.062	±0.200	-0.062	Pass
NET-2	Surface Distance		-0.067	±0.200	-0.067	Pass
NET-3	Surface Distance		-0.028	±0.200	-0.028	Pass
NET-4	Surface Distance		-0.019	±0.200	-0.019	Pass
NET-5	Surface Distance		0.127	±0.200	0.127	Pass
NET-6	Surface Distance		0.063	±0.200	0.063	Pass
NET-7	Surface Distance		0.054	±0.200	0.054	Pass
NET-8	Surface Distance		0.135	±0.200	0.135	Pass

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1



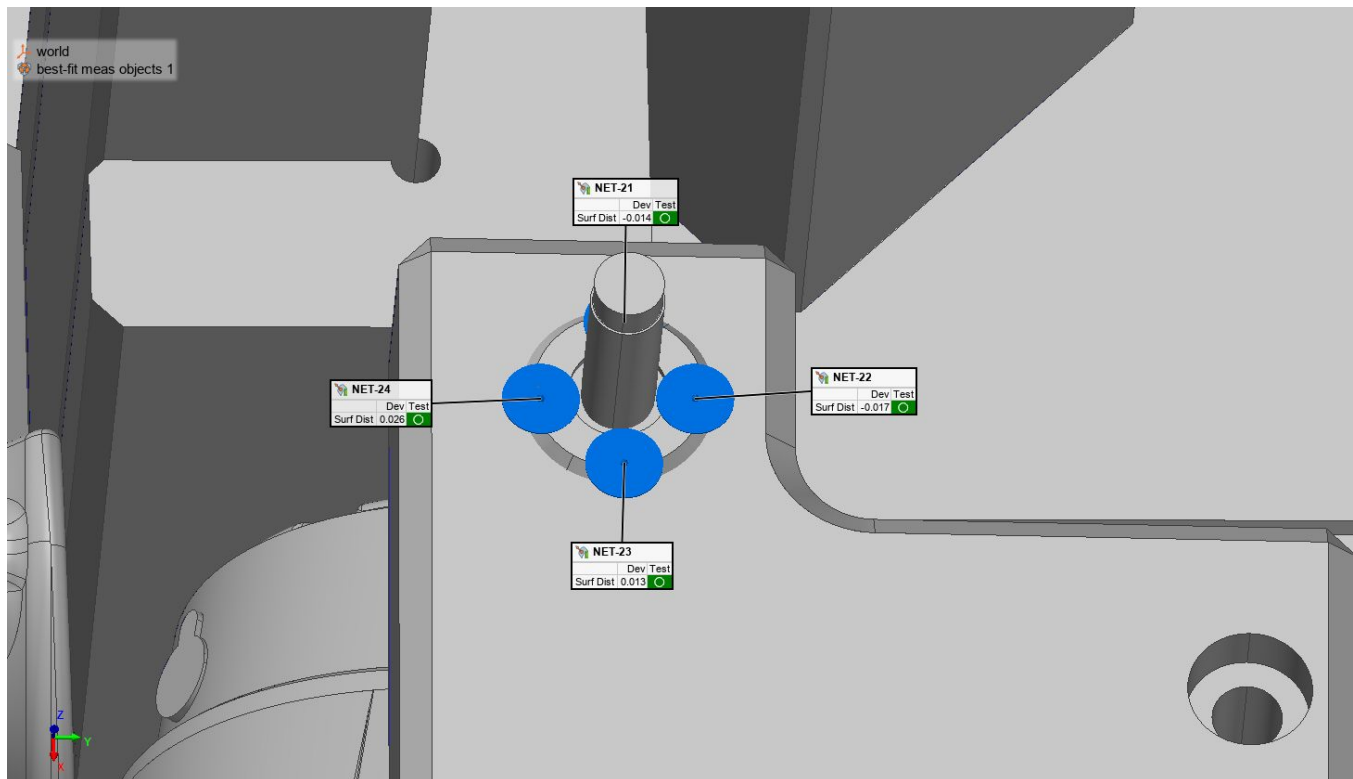
Comparison Point Table

Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 NET-10	Surface Distance		0.041	±0.200	0.041	Pass
 NET-12	Surface Distance		0.021	±0.200	0.021	Pass
 NET-13	Surface Distance		0.024	±0.200	0.024	Pass
 NET-14	Surface Distance		0.028	±0.200	0.028	Pass
 NET-15	Surface Distance		0.055	±0.200	0.055	Pass
 NET-17	Surface Distance		0.037	±0.200	0.037	Pass
 NET-18	Surface Distance		0.065	±0.200	0.065	Pass
 NET-19	Surface Distance		0.090	±0.200	0.090	Pass

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1



Comparison Point Table

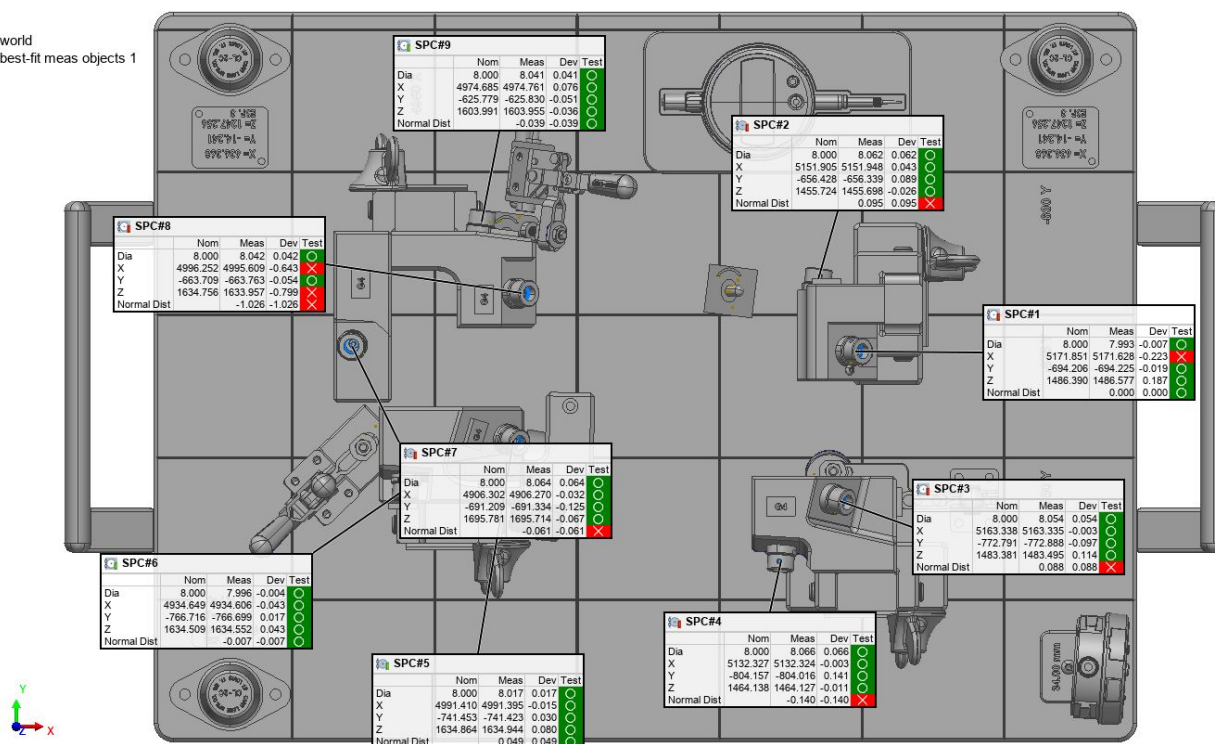
Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 NET-20	Surface Distance		-0.005	±0.200	-0.005	Pass
 NET-21	Surface Distance		-0.014	±0.200	-0.014	Pass
 NET-22	Surface Distance		-0.017	±0.200	-0.017	Pass
 NET-23	Surface Distance		0.013	±0.200	0.013	Pass
 NET-24	Surface Distance		0.026	±0.200	0.026	Pass

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1

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Feature Table

Length Units Millimeters

SPC#1

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	7.993	±0.200	-0.007	Pass
X	5171.851	5171.628	±0.200	-0.223	Fail
Y	-694.206	-694.225	±0.200	-0.019	Pass
Z	1486.390	1486.577	±0.200	0.187	Pass
Normal Distance		0.000	±0.050	0.000	Pass

SPC#2

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.062	±0.200	0.062	Pass
X	5151.905	5151.948	±0.200	0.043	Pass
Y	-656.428	-656.339	±0.200	0.089	Pass
Z	1455.724	1455.698	±0.200	-0.026	Pass
Normal Distance		0.095	±0.050	0.095	Fail

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1

SPC#3

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.054	±0.200	0.054	Pass
X	5163.338	5163.335	±0.200	-0.003	Pass
Y	-772.791	-772.888	±0.200	-0.097	Pass
Z	1483.381	1483.495	±0.200	0.114	Pass
Normal Distance		0.088	±0.050	0.088	Fail

SPC#4

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.066	±0.200	0.066	Pass
X	5132.327	5132.324	±0.200	-0.003	Pass
Y	-804.157	-804.016	±0.200	0.141	Pass
Z	1464.138	1464.127	±0.200	-0.011	Pass
Normal Distance		-0.140	±0.050	-0.140	Fail

SPC#5

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.017	±0.200	0.017	Pass
X	4991.410	4991.395	±0.200	-0.015	Pass
Y	-741.453	-741.423	±0.200	0.030	Pass
Z	1634.864	1634.944	±0.200	0.080	Pass
Normal Distance		0.049	±0.050	0.049	Pass

SPC#6

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	7.996	±0.200	-0.004	Pass
X	4934.649	4934.606	±0.200	-0.043	Pass
Y	-766.716	-766.699	±0.200	0.017	Pass
Z	1634.509	1634.552	±0.200	0.043	Pass
Normal Distance		-0.007	±0.050	-0.007	Pass

SPC#7

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.064	±0.200	0.064	Pass
X	4906.302	4906.270	±0.200	-0.032	Pass
Y	-691.209	-691.334	±0.200	-0.125	Pass
Z	1695.781	1695.714	±0.200	-0.067	Pass
Normal Distance		-0.061	±0.050	-0.061	Fail

Customer: GD COMPONENTS DE
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Part name: FX-44
Part number: 263.173-01
Piece: piece 1

 SPC#8

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.042	±0.200	0.042	Pass
X	4996.252	4995.609	±0.200	-0.643	Fail
Y	-663.709	-663.763	±0.200	-0.054	Pass
Z	1634.756	1633.957	±0.200	-0.799	Fail
Normal Distance		-1.026	±0.050	-1.026	Fail

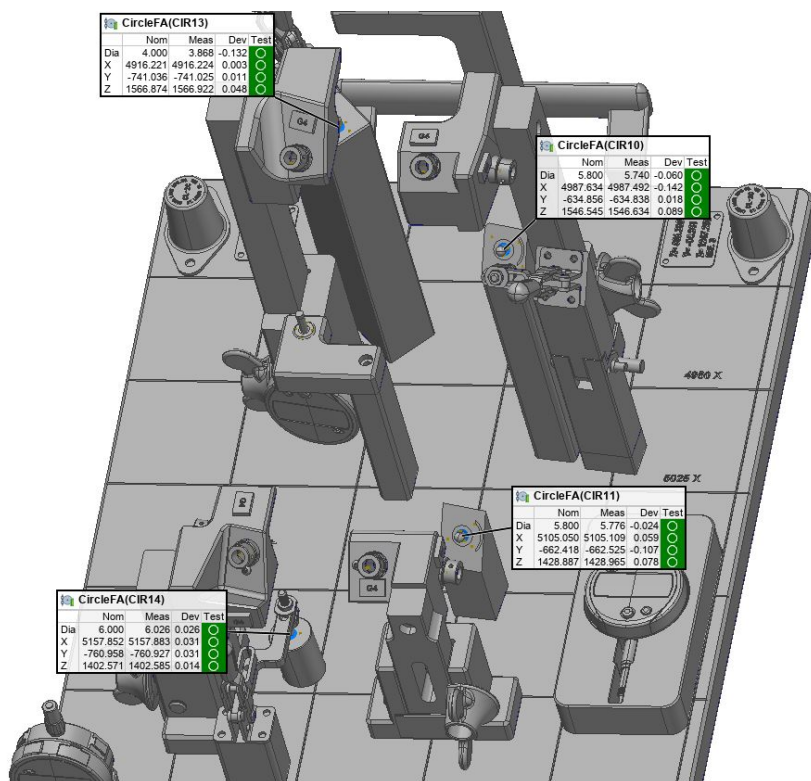
 SPC#9

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.041	±0.200	0.041	Pass
X	4974.685	4974.761	±0.200	0.076	Pass
Y	-625.779	-625.830	±0.200	-0.051	Pass
Z	1603.991	1603.955	±0.200	-0.036	Pass
Normal Distance		-0.039	±0.050	-0.039	Pass

Customer: GD COMPONENTS DE
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx

Part name: FX-44
Part number: 263.173-01
Piece: piece 1

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Feature Table

Length Units Millimeters

CircleFA(CIR10)

Control	Nom	Meas	Tol	Dev	Test
Diameter	5.800	5.740	±0.200	-0.060	Pass
X	4987.634	4987.492	±0.200	-0.142	Pass
Y	-634.856	-634.838	±0.200	0.018	Pass
Z	1546.545	1546.634	±0.200	0.089	Pass

CircleFA(CIR11)

Control	Nom	Meas	Tol	Dev	Test
Diameter	5.800	5.776	±0.200	-0.024	Pass
X	5105.050	5105.109	±0.200	0.059	Pass
Y	-662.418	-662.525	±0.200	-0.107	Pass
Z	1428.887	1428.965	±0.200	0.078	Pass

CircleFA(CIR13)

Control	Nom	Meas	Tol	Dev	Test
Diameter	4.000	3.868	±0.200	-0.132	Pass
X	4916.221	4916.224	±0.200	0.003	Pass
Y	-741.036	-741.025	±0.200	0.011	Pass
Z	1566.874	1566.922	±0.200	0.048	Pass

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1

CircleFA(CIR14)

Control	Nom	Meas	Tol	Dev	Test
Diameter	6.000	6.026	±0.200	0.026	Pass
X	5157.852	5157.883	±0.200	0.031	Pass
Y	-760.958	-760.927	±0.200	0.031	Pass
Z	1402.571	1402.585	±0.200	0.014	Pass

Feature Table

Length Units Millimeters

MASTER

Feature: plane 6, Ref Feature: plane 5

Control	Nom	Meas	Tol	Dev	Test
3D Distance	36.500	36.425	±0.200	-0.075	Pass

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Part name: FX-44
Part number: 263.173-01
Piece: piece 1