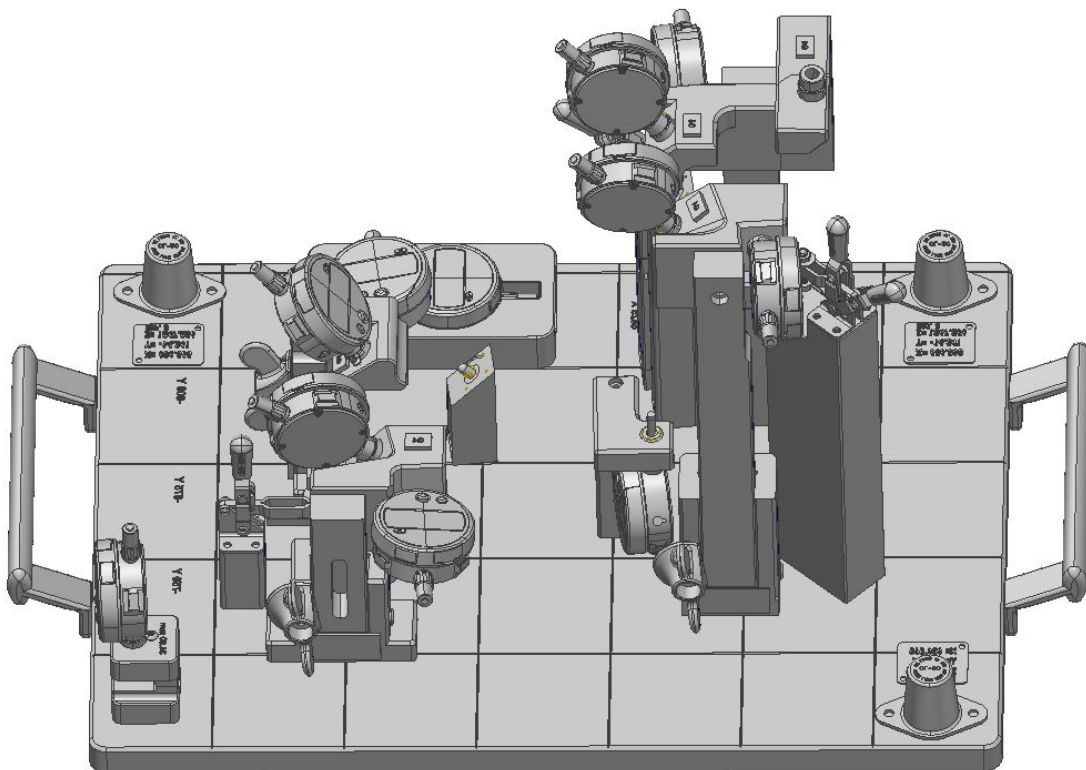


MEASUREMENT REPORT



Customer: GD COMPONENTS DE MEXICO
Operator: Felipe Martinez
E-mail: felipe.martinez@mess.com.mx
Workspace: MEDICION DISPOSITIVO
Project: FX-45_263.173-02_01 - piece 1

Part name: FX-45
Part number: 263.173-02
Drawing : S/R
Device: MESS-BRAA-003

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PLANE	Nom	Meas	Dev	Test
X	4841.947	4841.897	-0.050	Pass
Y	875.705	875.686	-0.019	Pass
Z	1381.591	1381.591	0.000	Pass

ORIGIN	Nom	Meas	Dev	Test
X	4841.447	4841.447	0.000	Pass
Y	541.719	541.719	0.000	Pass
Z	1380.861	1380.861	0.000	Pass

ALIGN	Nom	Meas	Dev	Test
X	5278.940	5278.884	-0.056	Pass
Y	540.970	540.970	0.000	Pass
Z	1379.726	1379.726	0.000	Pass

Feature Table

Length Units Millimeters

ORIGIN

Control	Nom	Meas	Tol	Dev	Test
X	4841.447	4841.447	±0.200	0.000	Pass
Y	541.719	541.719	±0.200	0.000	Pass
Z	1380.861	1380.861	±0.200	0.000	Pass

ALIGN

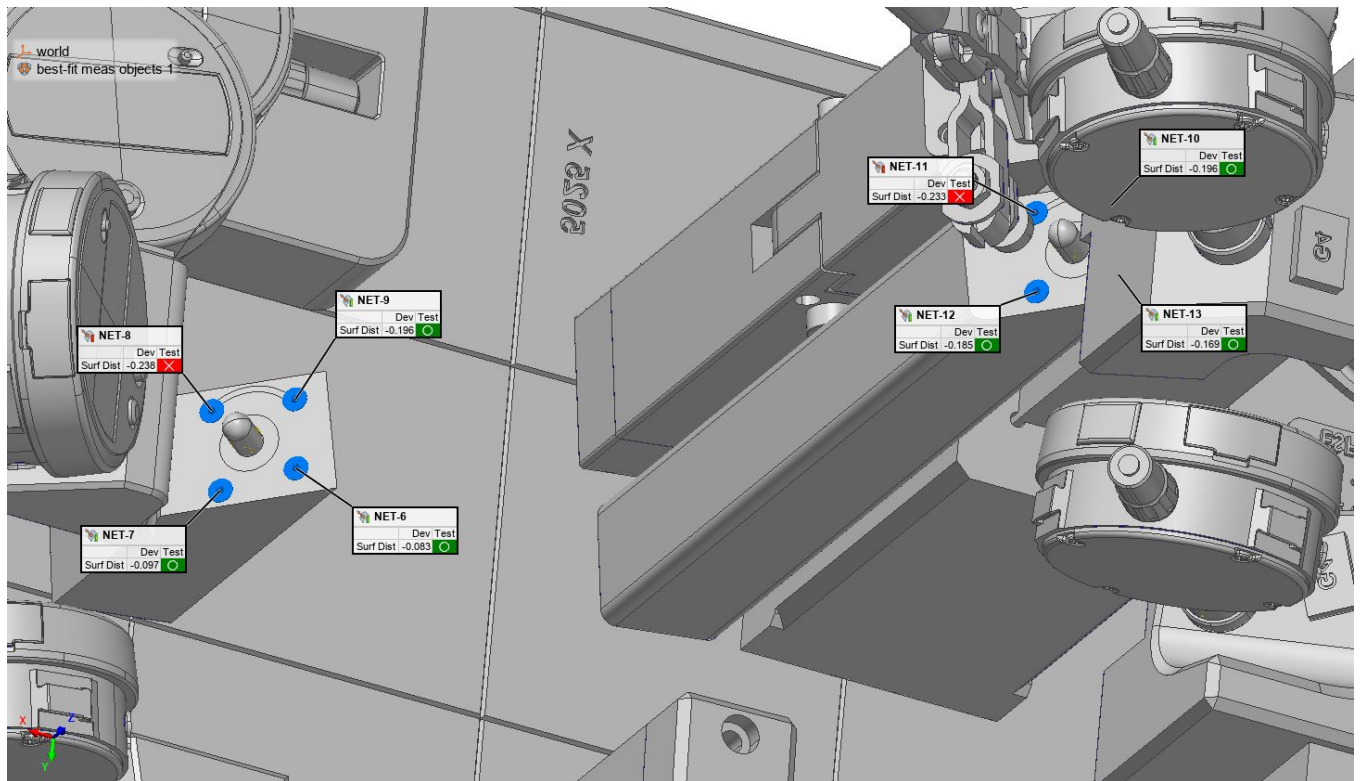
Control	Nom	Meas	Tol	Dev	Test
X	5278.940	5278.884	±0.200	-0.056	Pass
Y	540.970	540.970	±0.200	0.000	Pass
Z	1379.726	1379.726	±0.200	0.000	Pass

PLANE

Control	Nom	Meas	Tol	Dev	Test
X	4841.947	4841.897	±0.200	-0.050	Pass
Y	875.705	875.686	±0.200	-0.019	Pass
Z	1381.591	1381.591	±0.200	0.000	Pass

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Part name: FX-45
Part number: 263.173-02
Piece: piece 1



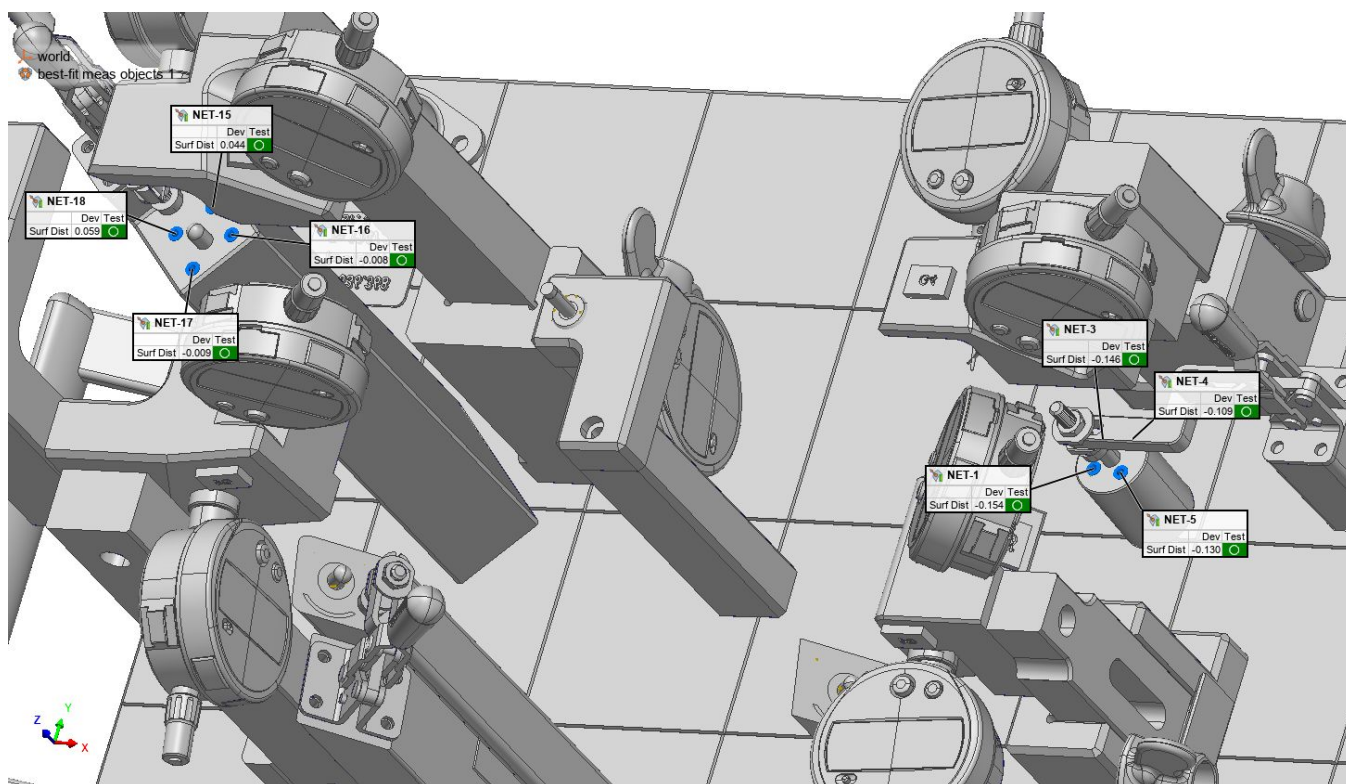
Comparison Point Table

Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 NET-6	Surface Distance		-0.083	±0.200	-0.083	Pass
 NET-7	Surface Distance		-0.097	±0.200	-0.097	Pass
 NET-8	Surface Distance		-0.238	±0.200	-0.238	Fail
 NET-9	Surface Distance		-0.196	±0.200	-0.196	Pass
 NET-10	Surface Distance		-0.196	±0.200	-0.196	Pass
 NET-11	Surface Distance		-0.233	±0.200	-0.233	Fail
 NET-12	Surface Distance		-0.185	±0.200	-0.185	Pass
 NET-13	Surface Distance		-0.169	±0.200	-0.169	Pass
 NET-14	Surface Distance		0.052	±0.200	0.052	Pass

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Piece: piece 1



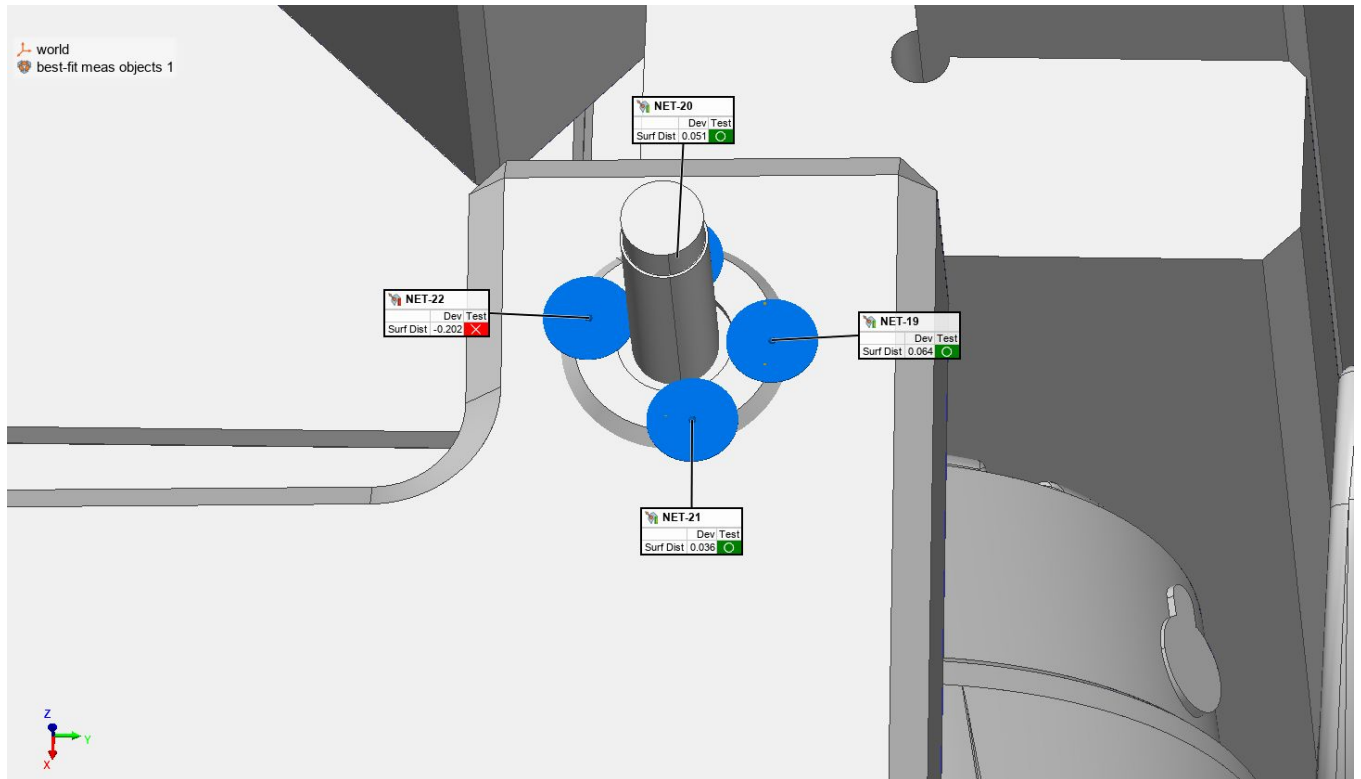
Comparison Point Table

Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
NET-1	Surface Distance		-0.154	±0.200	-0.154	Pass
NET-3	Surface Distance		-0.146	±0.200	-0.146	Pass
NET-4	Surface Distance		-0.109	±0.200	-0.109	Pass
NET-5	Surface Distance		-0.130	±0.200	-0.130	Pass
NET-15	Surface Distance		0.044	±0.200	0.044	Pass
NET-16	Surface Distance		-0.008	±0.200	-0.008	Pass
NET-17	Surface Distance		-0.009	±0.200	-0.009	Pass
NET-18	Surface Distance		0.059	±0.200	0.059	Pass

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Part name: FX-45
Part number: 263.173-02
Piece: piece 1



Comparison Point Table

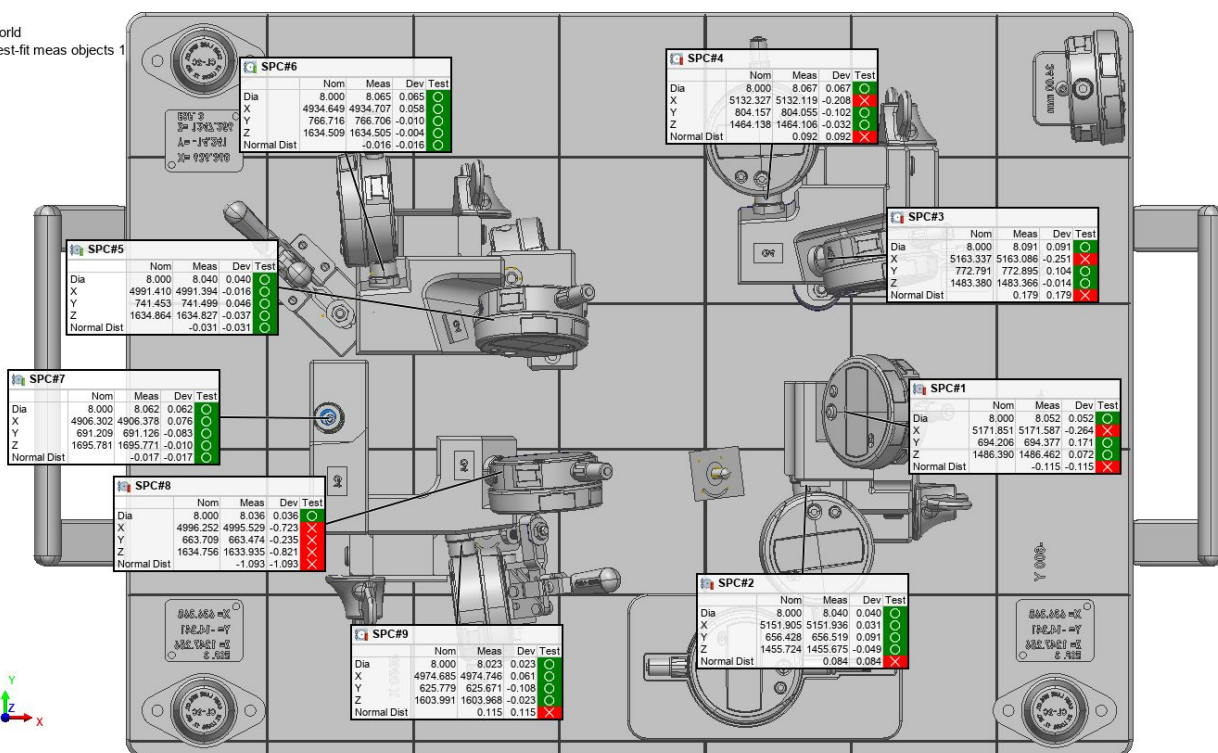
Units Millimeters

Name	Control	Nom	Meas	Tol	Dev	Test
 NET-19	Surface Distance		0.064	±0.200	0.064	Pass
 NET-20	Surface Distance		0.051	±0.200	0.051	Pass
 NET-21	Surface Distance		0.036	±0.200	0.036	Pass
 NET-22	Surface Distance		-0.202	±0.200	-0.202	Fail

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Part name: FX-45
Part number: 263.173-02
Piece: piece 1

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Feature Table

Length Units Millimeters

SPC#1

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.052	±0.200	0.052	Pass
X	5171.851	5171.587	±0.200	-0.264	Fail
Y	694.206	694.377	±0.200	0.171	Pass
Z	1486.390	1486.462	±0.200	0.072	Pass
Normal Distance		-0.115	±0.050	-0.115	Fail

SPC#2

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.040	±0.200	0.040	Pass
X	5151.905	5151.936	±0.200	0.031	Pass
Y	656.428	656.519	±0.200	0.091	Pass
Z	1455.724	1455.675	±0.200	-0.049	Pass
Normal Distance		0.084	±0.050	0.084	Fail

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Part name: FX-45
Part number: 263.173-02
Piece: piece 1

SPC#3

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.091	±0.200	0.091	Pass
X	5163.337	5163.086	±0.200	-0.251	Fail
Y	772.791	772.895	±0.200	0.104	Pass
Z	1483.380	1483.366	±0.200	-0.014	Pass
Normal Distance		0.179	±0.050	0.179	Fail

SPC#4

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.067	±0.200	0.067	Pass
X	5132.327	5132.119	±0.200	-0.208	Fail
Y	804.157	804.055	±0.200	-0.102	Pass
Z	1464.138	1464.106	±0.200	-0.032	Pass
Normal Distance		0.092	±0.050	0.092	Fail

SPC#5

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.040	±0.200	0.040	Pass
X	4991.410	4991.394	±0.200	-0.016	Pass
Y	741.453	741.499	±0.200	0.046	Pass
Z	1634.864	1634.827	±0.200	-0.037	Pass
Normal Distance		-0.031	±0.050	-0.031	Pass

SPC#6

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.065	±0.200	0.065	Pass
X	4934.649	4934.707	±0.200	0.058	Pass
Y	766.716	766.706	±0.200	-0.010	Pass
Z	1634.509	1634.505	±0.200	-0.004	Pass
Normal Distance		-0.016	±0.050	-0.016	Pass

SPC#7

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.062	±0.200	0.062	Pass
X	4906.302	4906.378	±0.200	0.076	Pass
Y	691.209	691.126	±0.200	-0.083	Pass
Z	1695.781	1695.771	±0.200	-0.010	Pass
Normal Distance		-0.017	±0.050	-0.017	Pass

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

Part name: FX-45
Part number: 263.173-02
Piece: piece 1

SPC#8

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.036	±0.200	0.036	Pass
X	4996.252	4995.529	±0.200	-0.723	Fail
Y	663.709	663.474	±0.200	-0.235	Fail
Z	1634.756	1633.935	±0.200	-0.821	Fail
Normal Distance		-1.093	±0.050	-1.093	Fail

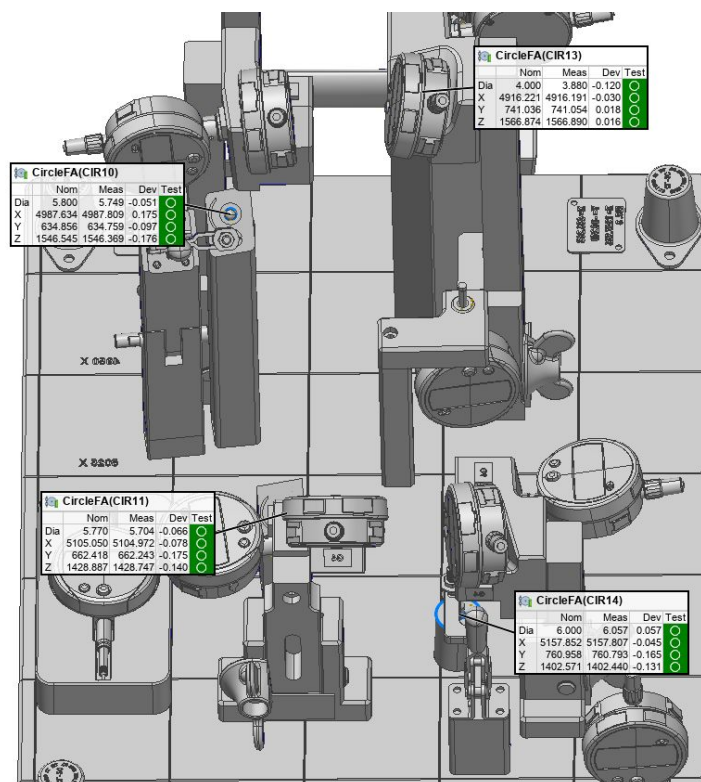
SPC#9

Control	Nom	Meas	Tol	Dev	Test
Diameter	8.000	8.023	±0.200	0.023	Pass
X	4974.685	4974.746	±0.200	0.061	Pass
Y	625.779	625.671	±0.200	-0.108	Pass
Z	1603.991	1603.968	±0.200	-0.023	Pass
Normal Distance		0.115	±0.050	0.115	Fail

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Part name: FX-45
 Part number: 263.173-02
 Piece: piece 1

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Feature Table

Length Units Millimeters

CircleFA(CIR10)

Control	Nom	Meas	Tol	Dev	Test
Diameter	5.800	5.749	±0.200	-0.051	Pass
X	4987.634	4987.809	±0.200	0.175	Pass
Y	634.856	634.759	±0.200	-0.097	Pass
Z	1546.545	1546.369	±0.200	-0.176	Pass

CircleFA(CIR11)

Control	Nom	Meas	Tol	Dev	Test
Diameter	5.770	5.704	±0.200	-0.066	Pass
X	5105.050	5104.972	±0.200	-0.078	Pass
Y	662.418	662.243	±0.200	-0.175	Pass
Z	1428.887	1428.747	±0.200	-0.140	Pass

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Part number: 263.173-02
Piece: piece 1

CircleFA(CIR13)

Control	Nom	Meas	Tol	Dev	Test
Diameter	4.000	3.880	±0.200	-0.120	Pass
X	4916.221	4916.191	±0.200	-0.030	Pass
Y	741.036	741.054	±0.200	0.018	Pass
Z	1566.874	1566.890	±0.200	0.016	Pass

CircleFA(CIR14)

Control	Nom	Meas	Tol	Dev	Test
Diameter	6.000	6.057	±0.200	0.057	Pass
X	5157.852	5157.807	±0.200	-0.045	Pass
Y	760.958	760.793	±0.200	-0.165	Pass
Z	1402.571	1402.440	±0.200	-0.131	Pass

Feature Table

Length Units Millimeters

MASTER

Feature: plane 6, Ref Feature: plane 5

Control	Nom	Meas	Tol	Dev	Test
3D Distance	36.500	36.503	±0.200	0.003	Pass

Customer: GD COMPONENTS DE MEXICO
 Operator: Felipe Martinez
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Part name: FX-45
 Part number: 263.173-02
 Piece: piece 1