pc-dmis	PART NAME : 11-T_DIPOLE_COIL_X1M_V4d_vJ-MBH09-IR		September 27, 2013	15:06
	REV NUMBER :	SER NUMBER :	STATS COUNT :	1

LHC 11-Tesla Dipole Magnet Coil Cross-Sections

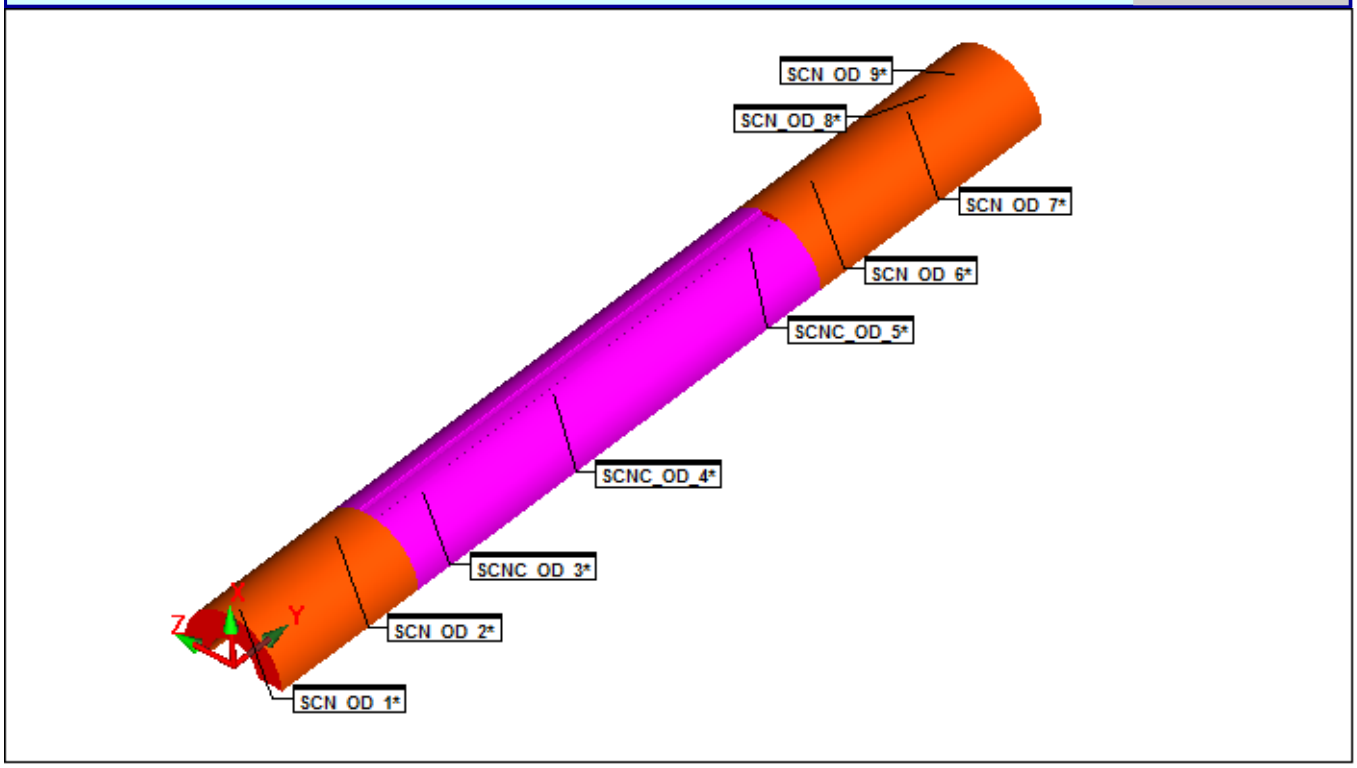
'Inspected by ' : Robert Riley
'Sample Number' : MBH09k
.pdf file name : 11-T_DIPOLE_COIL_X1M_V4d_vJ-IR_MBH09k

Distance of cross-section is measured from Return End of Outer Coil (-Y- coordinate) in mm

I.R.=29.873mm O.R.=60.727mm P.P.=0.127mm

Profile of O.D. & Parting Plane scans Form only

FCFPROF1	MM	1	FORMONLY VECTOR_LST_SQR				
Feature	NOMINAL	MEAS	DEV	+TOL	-TOL	OUTTOL	BONUS
Set	0.000	0.624	0.624	1.000	0.000	0.000	



Cross-Sections measured at -Y- equal to: 12.778
145.878
266.633
447.335
721.06
807.381
940.403
966.03
1007.849

Constructed Circles

⊕	MM	LOC1 - CIRC_X_1	
AX	NOMINAL	MEAS	DEV
X	0.000	-0.110	-0.110
Y	12.092	12.850	0.757
Z	0.000	0.037	0.037
R	60.727	60.672	-0.055
RN	0.000	0.057	0.057

⌖	MM	LOC2 - CIRC_X_2		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.169	0.169	
Y	148.996	145.926	-3.070	
Z	0.000	-0.003	-0.003	
R	60.727	60.566	-0.161	
RN	0.000	0.094	0.094	

⌖	MM	LOC3 - CIRC_X_3		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.257	0.257	
Y	265.384	266.671	1.287	
Z	0.000	-0.016	-0.016	
R	60.727	60.635	-0.092	
RN	0.000	0.097	0.097	

⌖	MM	LOC4 - CIRC_X_4		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.437	0.437	
Y	447.022	447.373	0.351	
Z	0.000	-0.024	-0.024	
R	60.727	60.613	-0.114	
RN	0.000	0.073	0.073	

⌖	MM	LOC5 - CIRC_X_5		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.309	0.309	
Y	720.686	721.096	0.409	
Z	0.000	-0.027	-0.027	
R	60.727	60.595	-0.132	
RN	0.000	0.088	0.088	

⌖	MM	LOC6 - CIRC_X_6		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.099	0.099	
Y	807.417	807.414	-0.003	
Z	0.000	-0.015	-0.015	
R	60.727	60.631	-0.096	
RN	0.000	0.076	0.076	

⌖	MM	LOC7 - CIRC_X_7		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.022	0.022	
Y	941.338	940.464	-0.874	
Z	0.000	0.011	0.011	
R	60.727	60.668	-0.059	
RN	0.000	0.056	0.056	

	MM	LOC8 - CIRC_X_8		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.020	0.020	
Y	967.688	966.092	-1.597	
Z	0.000	0.012	0.012	
R	60.727	60.666	-0.061	
RN	0.000	0.065	0.065	

	MM	LOC9 - CIRC_X_9		
AX	NOMINAL	MEAS	DEV	
X	0.000	0.020	0.020	
Y	1009.361	1007.896	-1.465	
Z	0.000	0.024	0.024	
R	60.727	60.664	-0.063	
RN	0.000	0.079	0.079	

Profiles of Scans

	MM	PROF1 - SCN_OD_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.186	-0.031	-0.186	

	MM	PROF2 - SCN_OD_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.238	0.038	-0.200	

	MM	PROF3 - SCNC_OD_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.295	0.172	-0.123	

	MM	PROF4 - SCNC_OD_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.446	0.321	-0.125	

	MM	PROF5 - SCNC_OD_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.352	0.167	-0.185	

	MM	PROF6 - SCN_OD_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.151	0.019	-0.131	

	MM	PROF7 - SCN_OD_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.099	-0.020	-0.099	

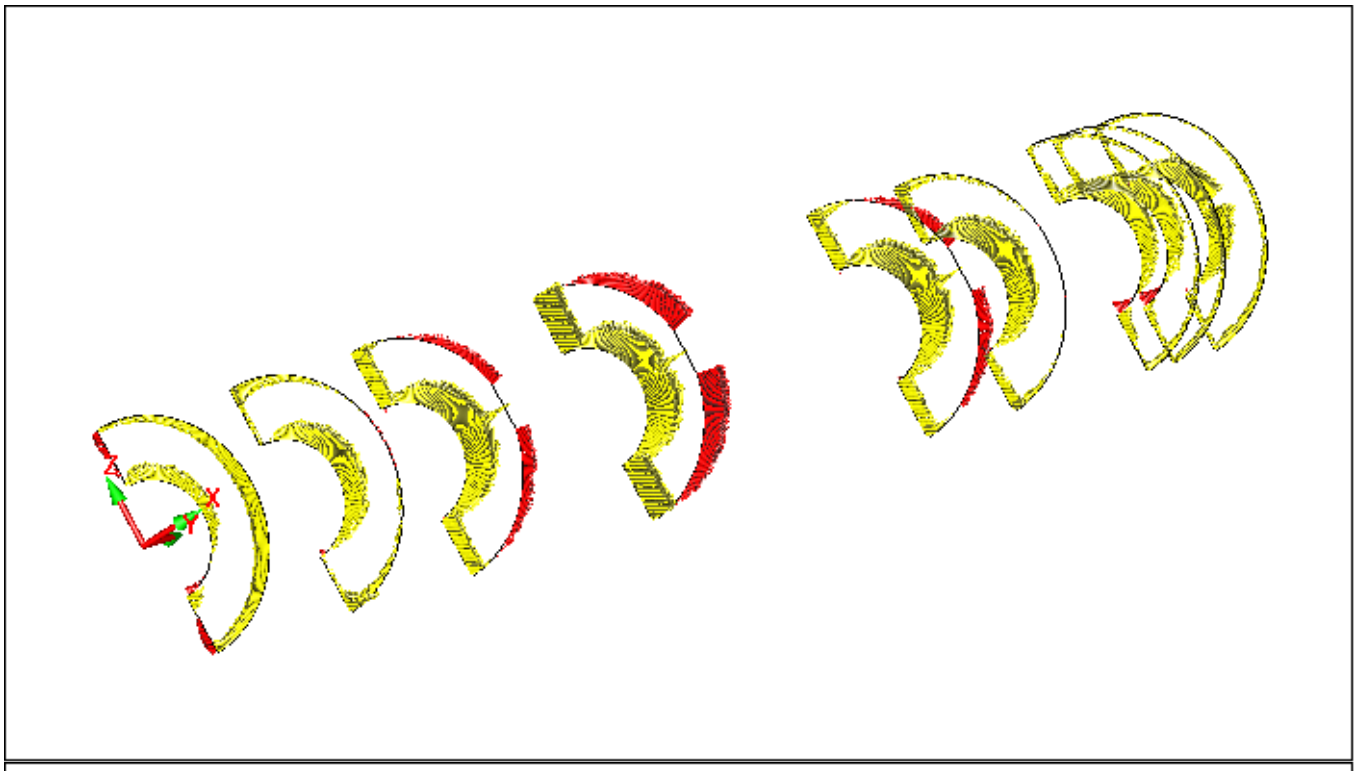
	MM	PROF8 - SCN_OD_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.083	-0.027	-0.083	

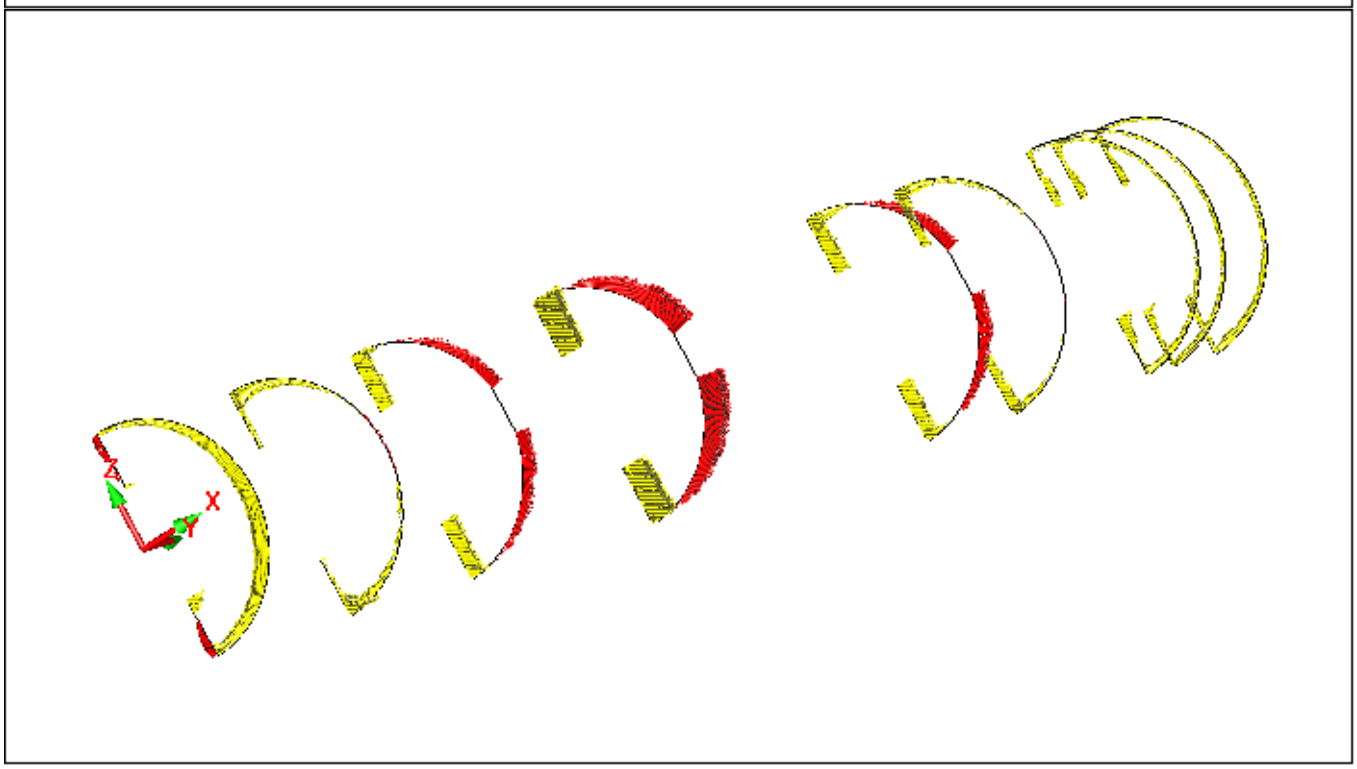
	MM	PROF9 - SCN_OD_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.110	-0.013	-0.110	

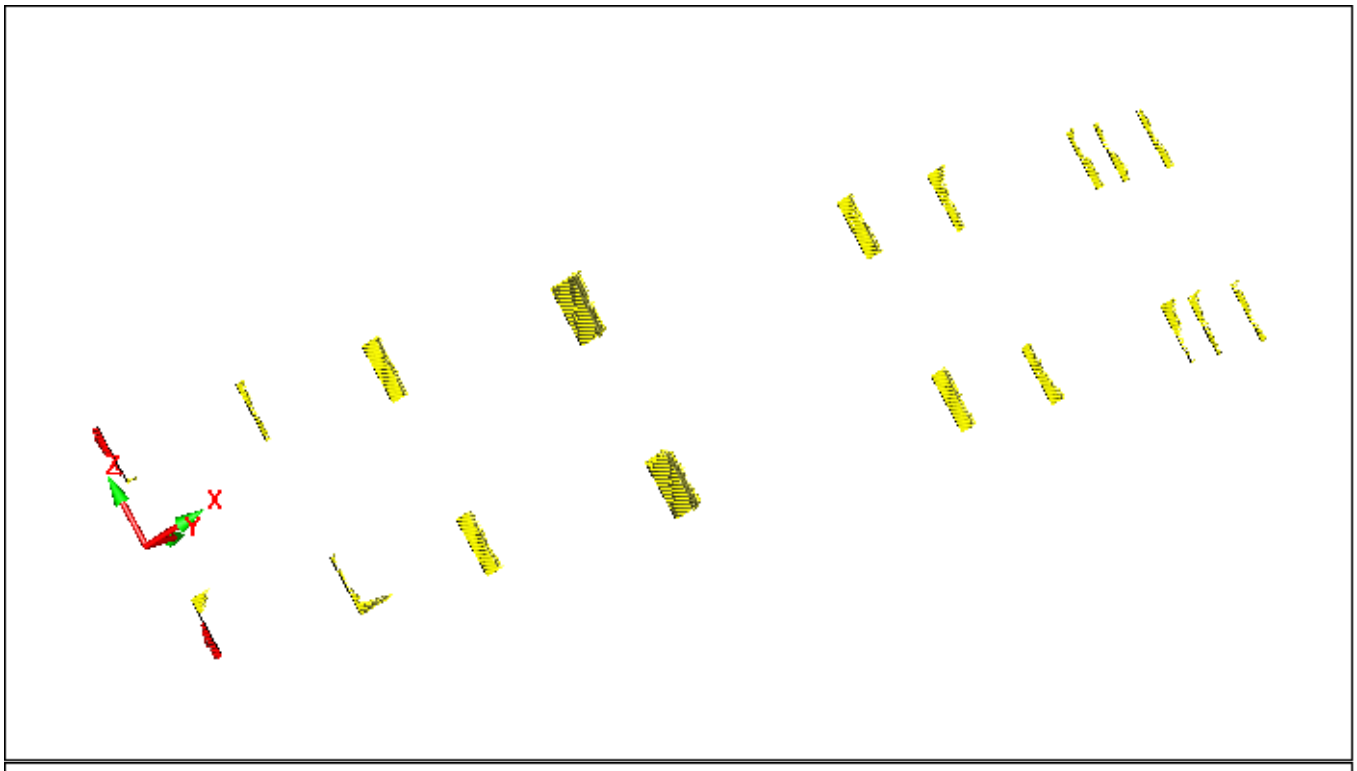
	MM	PROF10 - SCN_ID_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.282	0.091	-0.191	

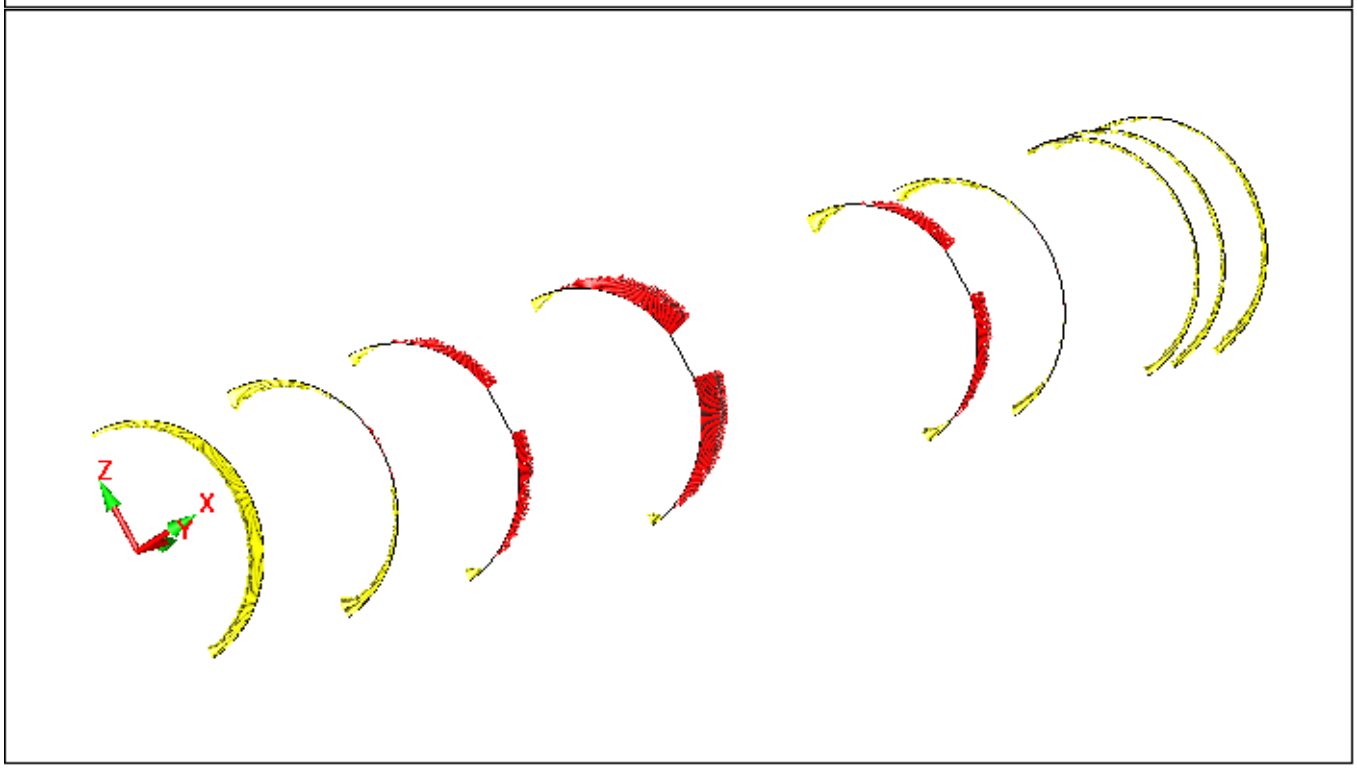
	MM	PROF11 - SCN_ID_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.396	0.064	-0.331	
	MM	PROF12 - SCN_ID_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.768	0.048	-0.720	
	MM	PROF13 - SCN_ID_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.689	0.035	-0.654	
	MM	PROF14 - SCN_ID_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.715	0.044	-0.671	
	MM	PROF15 - SCN_ID_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.486	0.085	-0.400	
	MM	PROF16 - SCN_ID_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.412	0.136	-0.276	
	MM	PROF17 - SCN_ID_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.452	0.152	-0.300	
	MM	PROF18 - SCN_ID_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.419	0.044	-0.375	
	MM	PROF19 - SCN_PP_P_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.210	0.092	-0.117	
	MM	PROF20 - SCN_PP_N_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.329	0.101	-0.228	
	MM	PROF21 - SCN_PP_P_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.111	-0.040	-0.111	
	MM	PROF22 - SCN_PP_N_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.397	-0.007	-0.397	
	MM	PROF23 - SCN_PP_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.228	-0.189	-0.228	
	MM	PROF24 - SCN_PP_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.222	-0.173	-0.222	
	MM	PROF25 - SCN_PP_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.367	-0.277	-0.367	

	MM	PROF26 - SCN_PP_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.335	-0.230	-0.335	
	MM	PROF27 - SCN_PP_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.205	-0.160	-0.205	
	MM	PROF28 - SCN_PP_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.193	-0.164	-0.193	
	MM	PROF29 - SCN_PP_P_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.231	-0.095	-0.231	
	MM	PROF30 - SCN_PP_N_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.170	-0.096	-0.170	
	MM	PROF31 - SCN_PP_P_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.107	-0.032	-0.107	
	MM	PROF32 - SCN_PP_N_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.193	-0.008	-0.193	
	MM	PROF33 - SCN_PP_P_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.117	-0.041	-0.117	
	MM	PROF34 - SCN_PP_N_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.173	-0.042	-0.173	
	MM	PROF35 - SCN_PP_P_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.091	-0.046	-0.091	
	MM	PROF36 - SCN_PP_N_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.103	-0.044	-0.103	


Z
X
Y


Z
X
Y



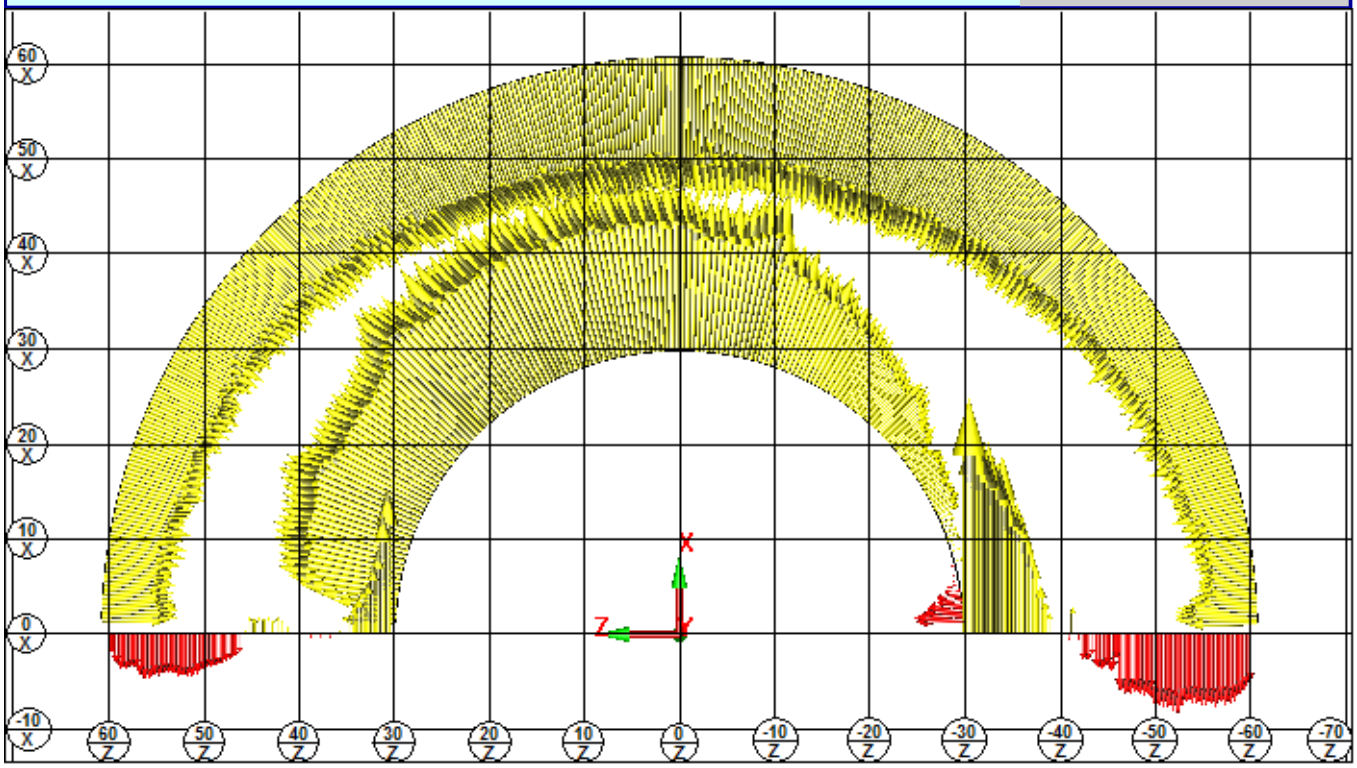


Alignment is: -Z- is Best Fit to: O.D. scans
for ENTIRE COIL -X- is Best Fit to: O.D. scans
x50 -Y- axis Rotation is Best Fit to: Parting Plane scans

---------- CROSS SECTION #1 at 12.778 FULL O.D. ----------

	MM	PROF37 - SCN_OD_1 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.153	-0.055	-0.153	
	MM	PROF38 - SCN_PP_N_1 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.335	0.087	-0.248	
	MM	PROF39 - SCN_ID_1 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.241	0.051	-0.190	

	MM	PROF40 - SCN_PP_P_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.203	0.050	-0.153	



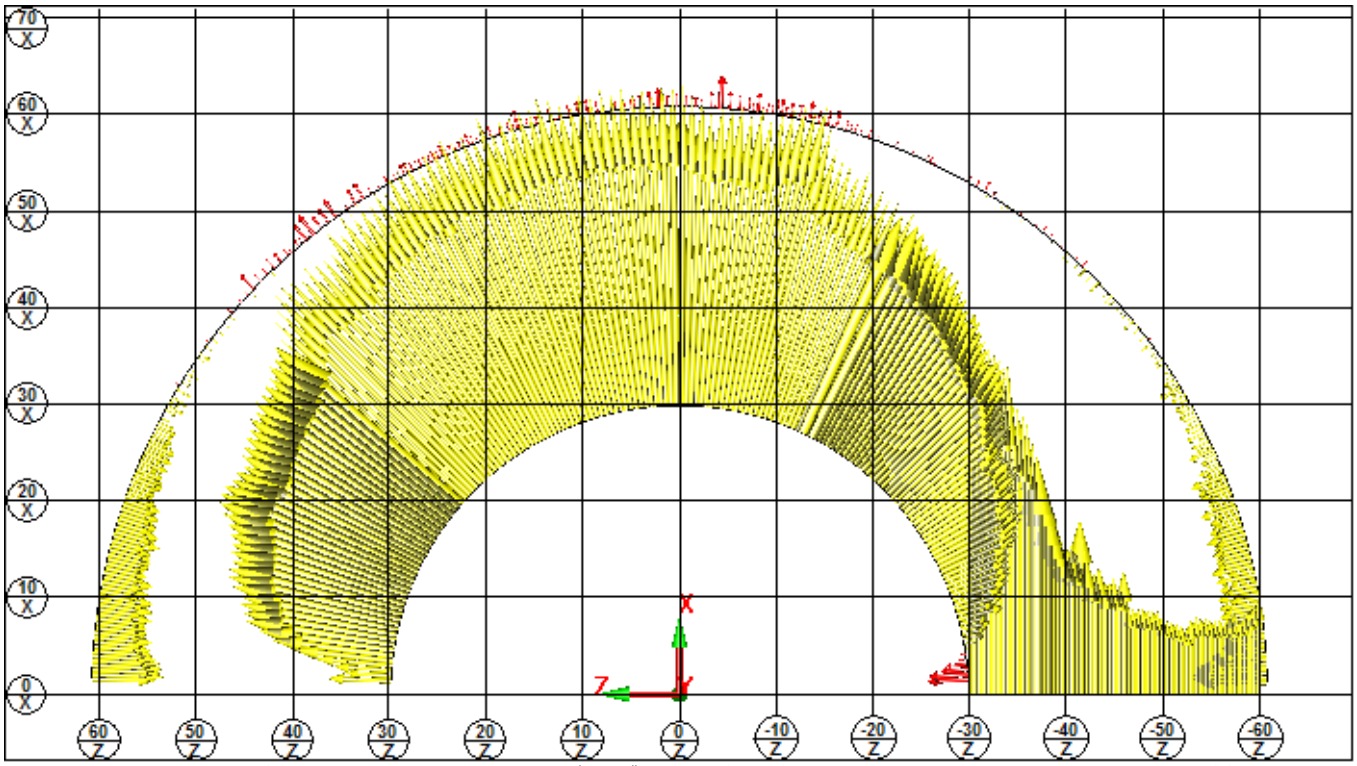
Sample Number: MBH09k Cross Section #1 at 12.778mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF41 - SCN_OD_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.117	0.034	-0.083	

	MM	PROF42 - SCN_PP_N_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.401	-0.067	-0.401	

	MM	PROF43 - SCN_ID_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.378	0.042	-0.336	

	MM	PROF44 - SCN_PP_P_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.306	-0.102	-0.306	



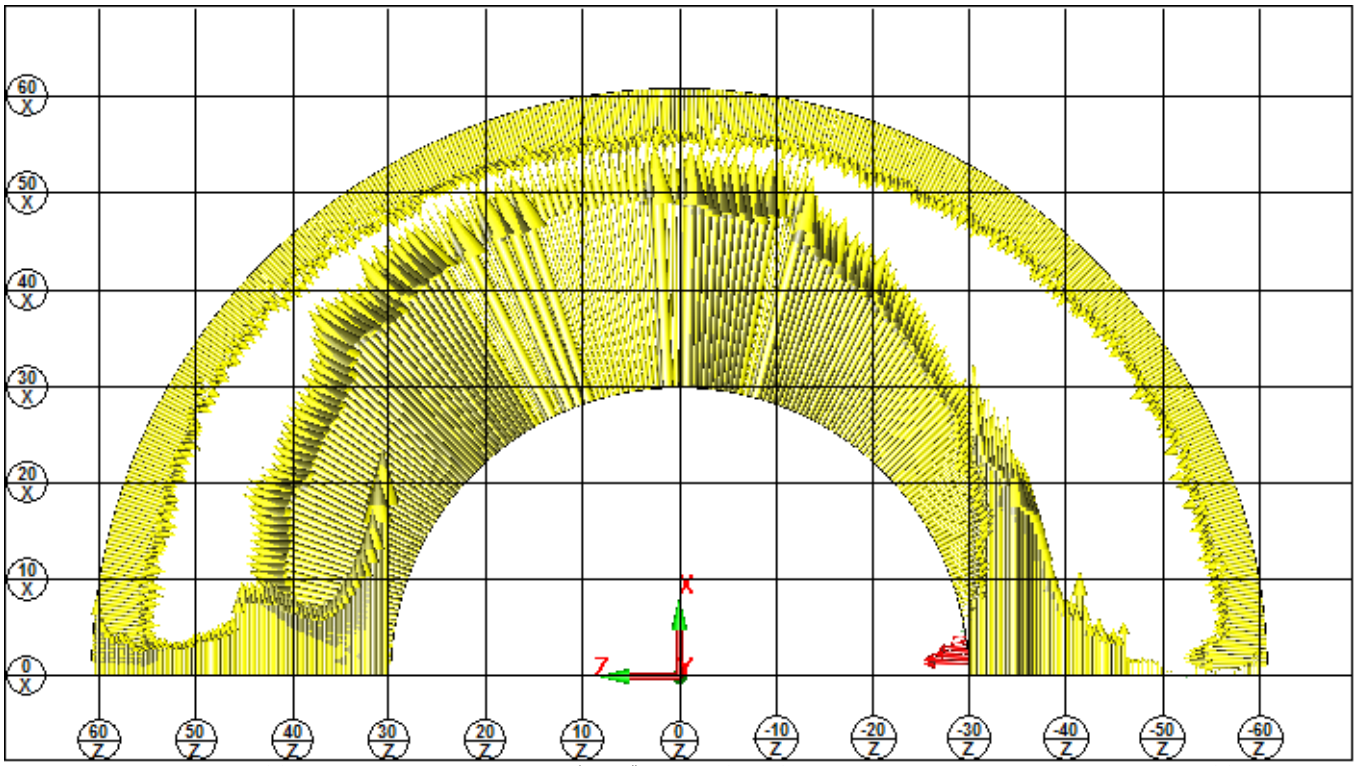
Sample Number: MBH09k Cross Section #1 at 12.778mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF184 - SCN_OD_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.086	-0.028	-0.086	

	MM	PROF185 - SCN_PP_N_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.334	0.004	-0.330	

	MM	PROF186 - SCN_ID_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.314	0.046	-0.268	

	MM	PROF187 - SCN_PP_P_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.235	-0.032	-0.235	



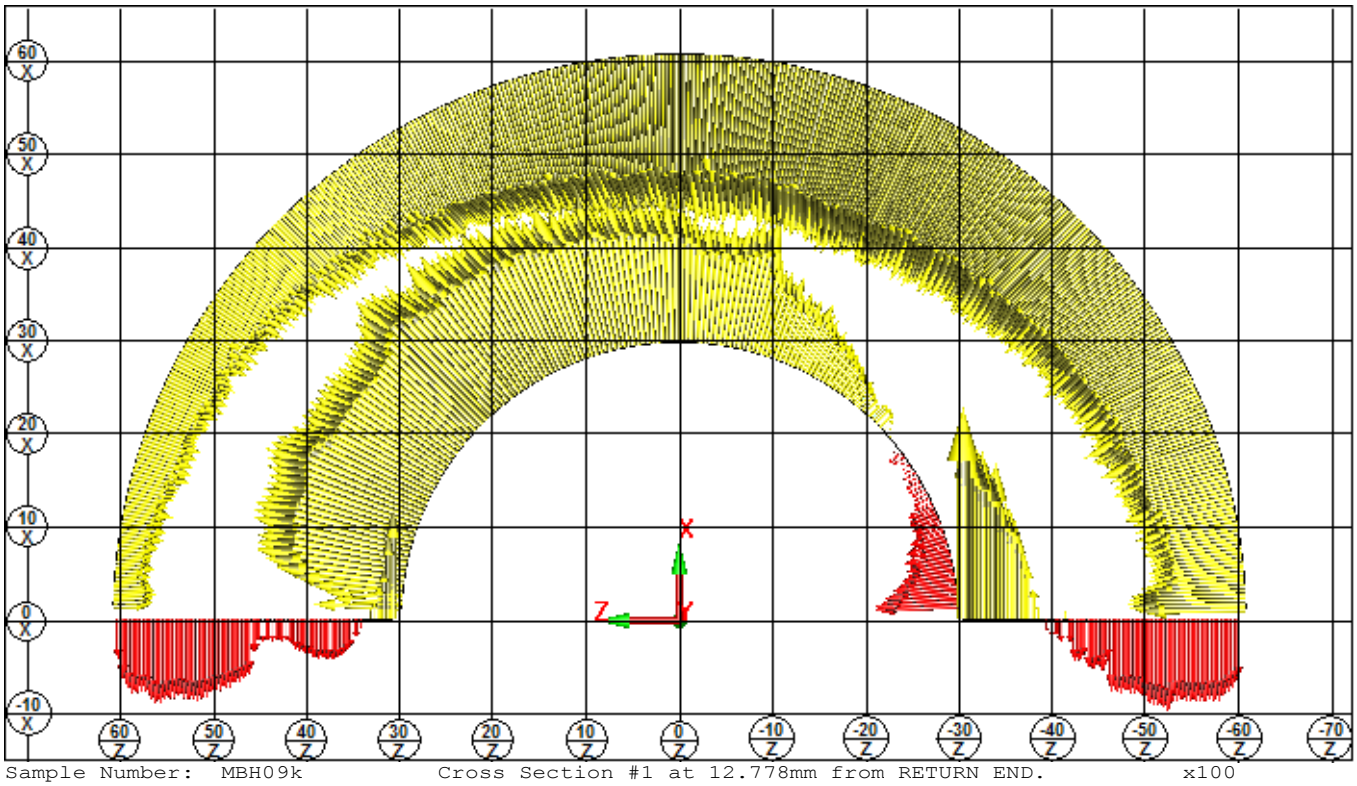
Sample Number: MBH09k Cross Section #1 at 12.778mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #1 = 60.672 & 0.057

	MM	PROF45 - SCN_OD_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.186	-0.032	-0.186	

	MM	PROF46 - SCN_PP_N_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.329	0.101	-0.228	

	MM	PROF47 - SCN_ID_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.282	0.091	-0.191	

	MM	PROF48 - SCN_PP_P_1 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.210	0.092	-0.117	



Sample Number: MBH09k Cross Section #1 at 12.778mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

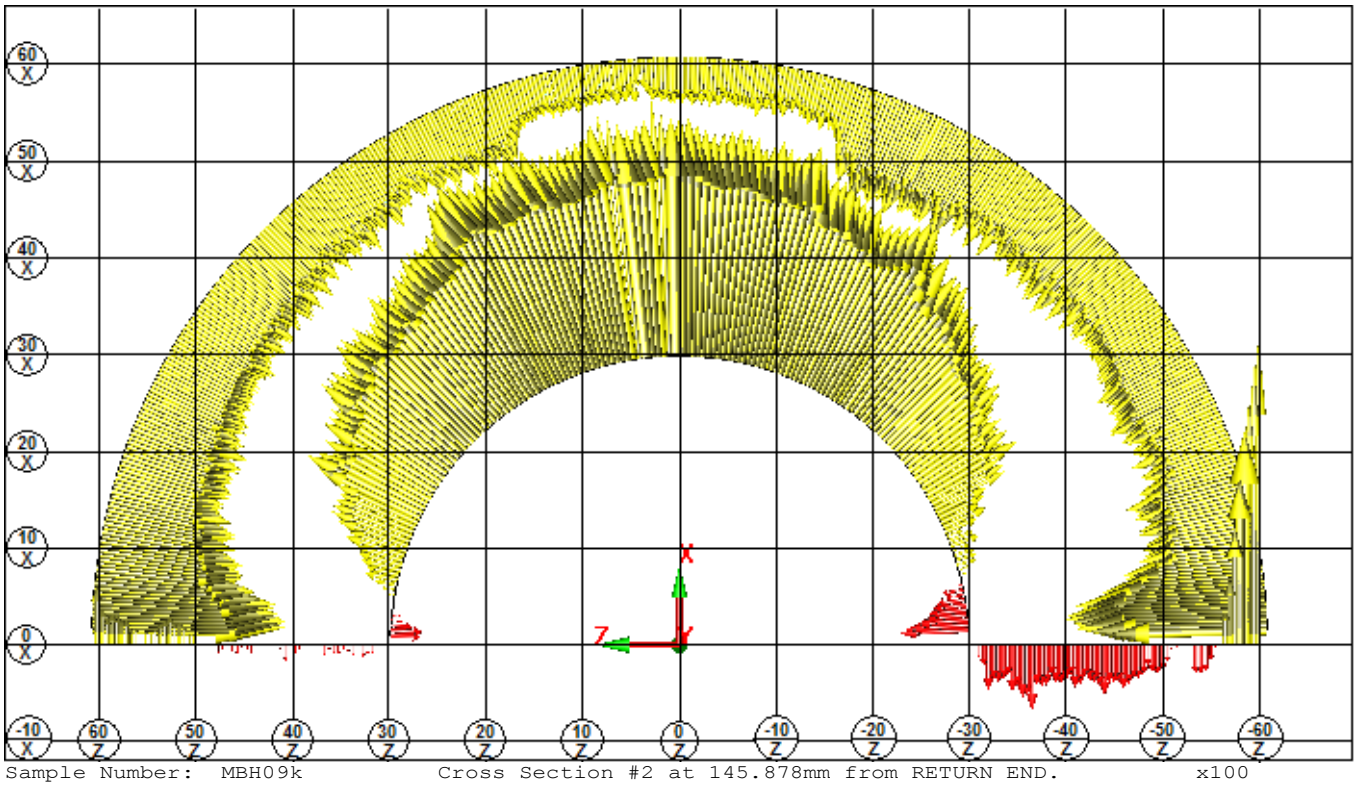
---------- CROSS SECTION #2 at 145.878 FULL O.D. ----------

	MM	PROF49 - SCN_OD_2 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.208	-0.029	-0.208

	MM	PROF50 - SCN_PP_N_2 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.384	0.069	-0.315

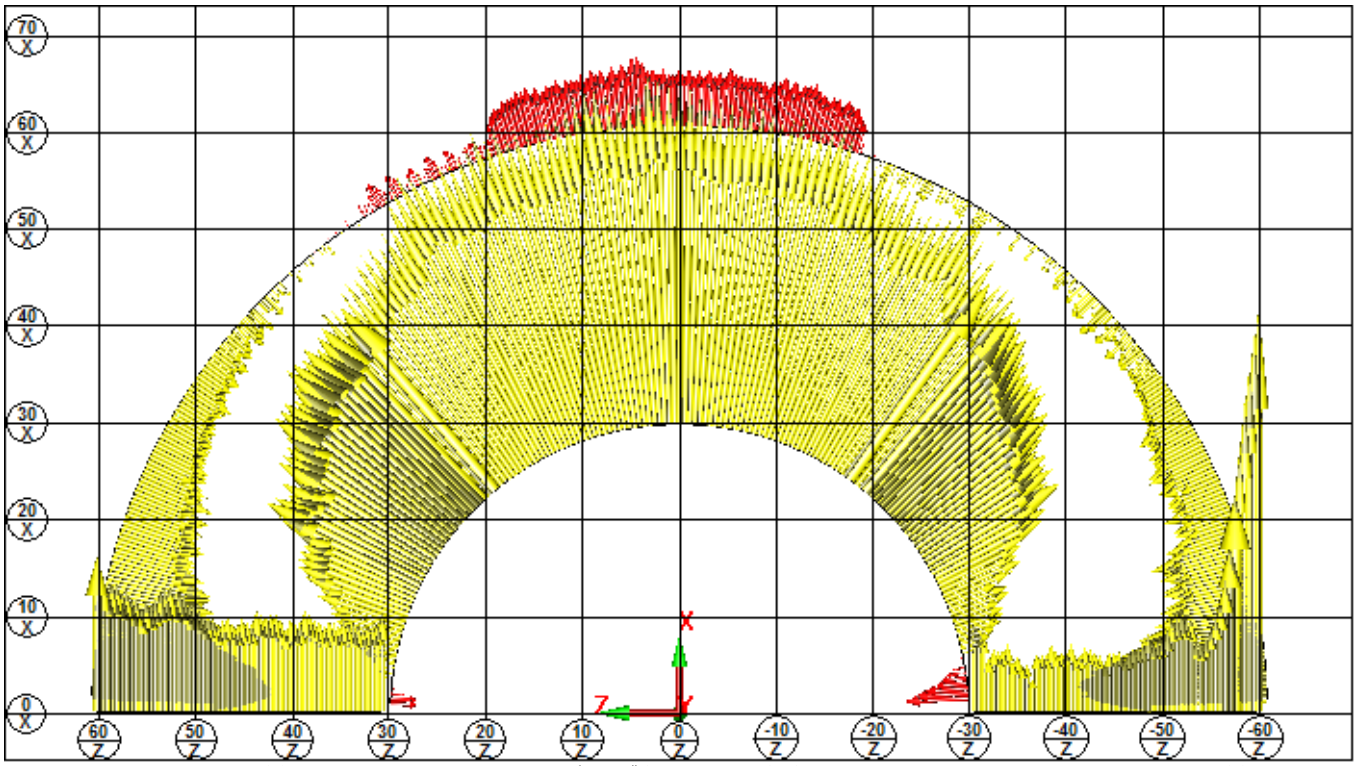
	MM	PROF51 - SCN_ID_2 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.335	0.071	-0.264

	MM	PROF52 - SCN_PP_P_2 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.076	0.017	-0.058



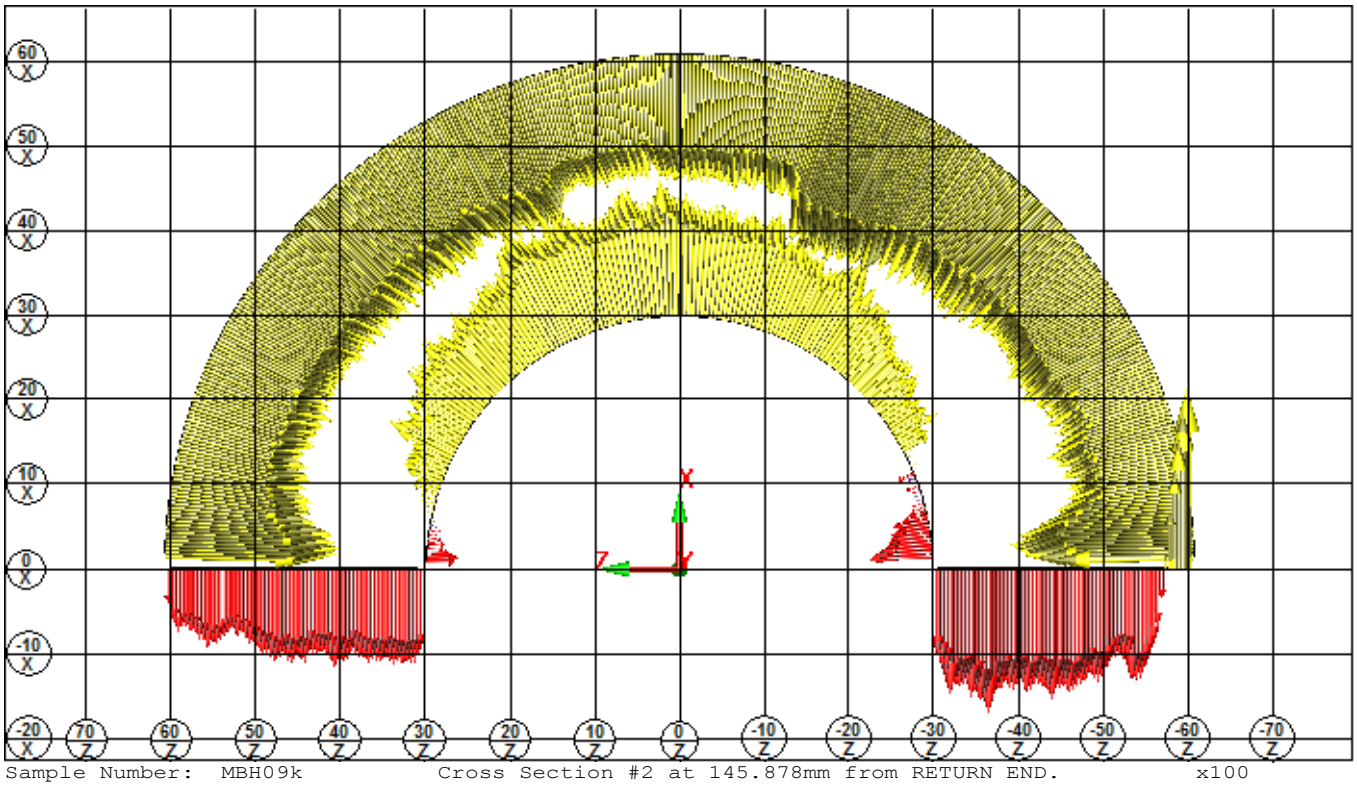
Sample Number: MBH09k Cross Section #2 at 145.878mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF53 - SCN_OD_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.275	0.074	-0.201	
	MM	PROF54 - SCN_PP_N_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.418	-0.033	-0.418	
	MM	PROF55 - SCN_ID_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.433	0.066	-0.367	
	MM	PROF56 - SCN_PP_P_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.160	-0.085	-0.160	



Sample Number: MBH09k Cross Section #2 at 145.878mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF188 - SCN_OD_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.215	-0.121	-0.215	
	MM	PROF189 - SCN_PP_N_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.384	0.172	-0.213	
	MM	PROF190 - SCN_ID_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.239	0.076	-0.162	
	MM	PROF191 - SCN_PP_P_2 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.119	0.119	0.043	



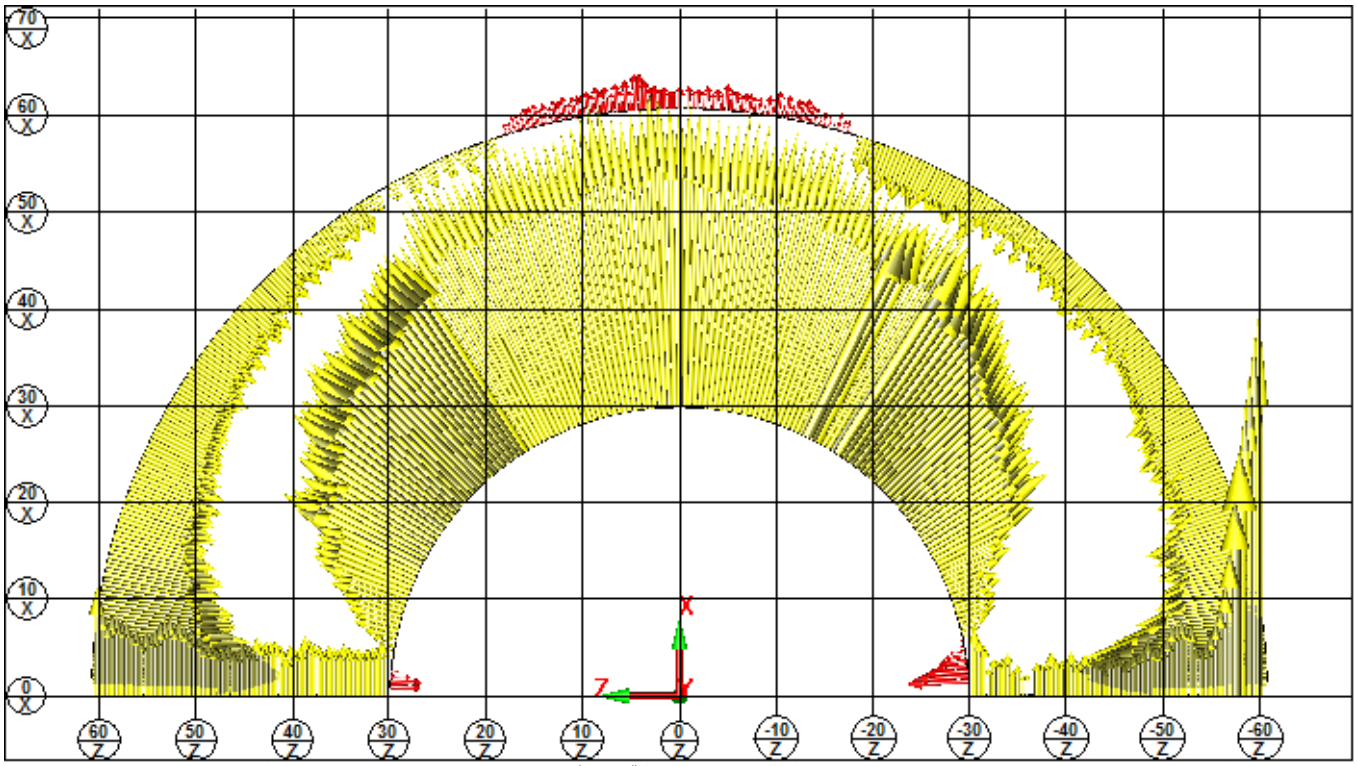
Sample Number: MBH09k Cross Section #2 at 145.878mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #2 = 60.566 & 0.094

	MM	PROF57 - SCN_OD_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.238	0.038	-0.200	

	MM	PROF58 - SCN_PP_N_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.397	-0.007	-0.397	

	MM	PROF59 - SCN_ID_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.396	0.064	-0.331	

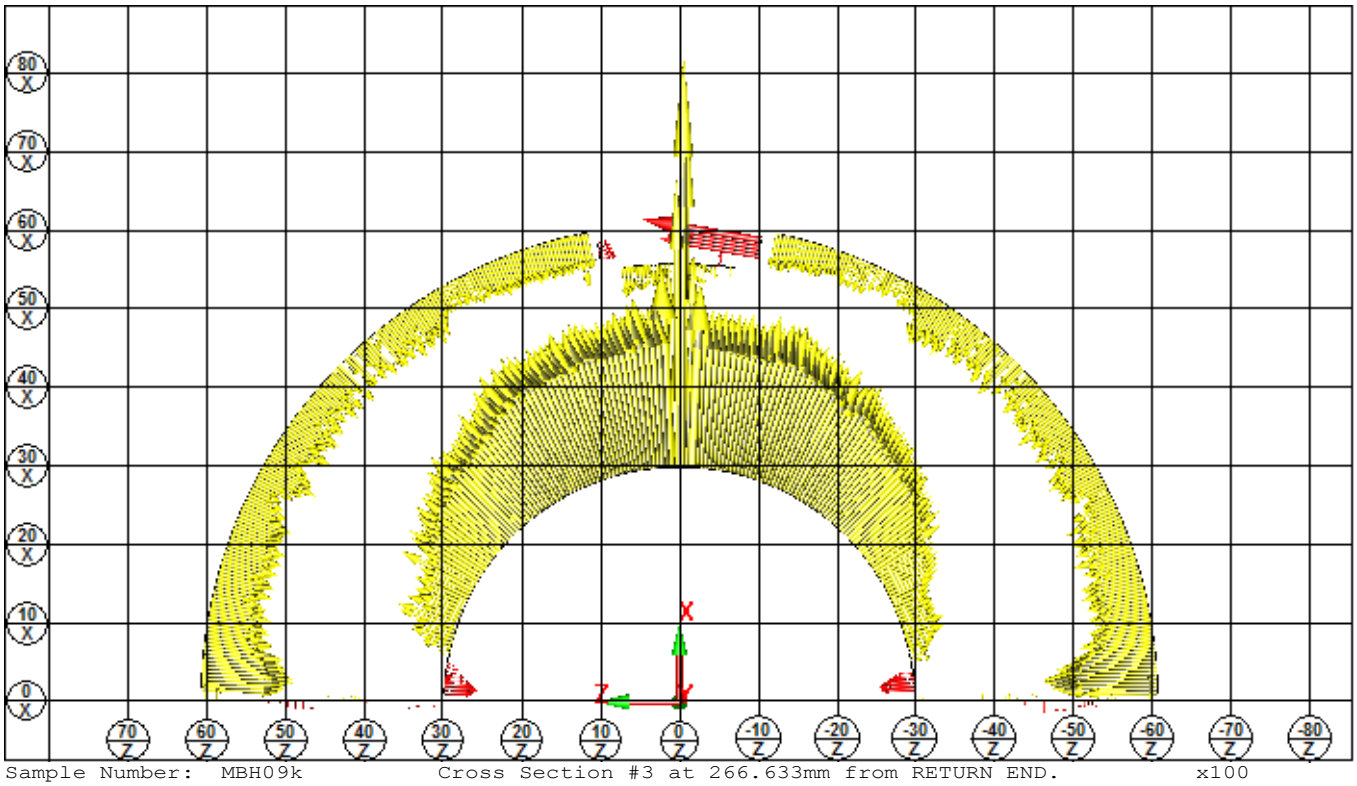
	MM	PROF60 - SCN_PP_P_2 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.111	-0.040	-0.111	



Sample Number: MBH09k Cross Section #2 at 145.878mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

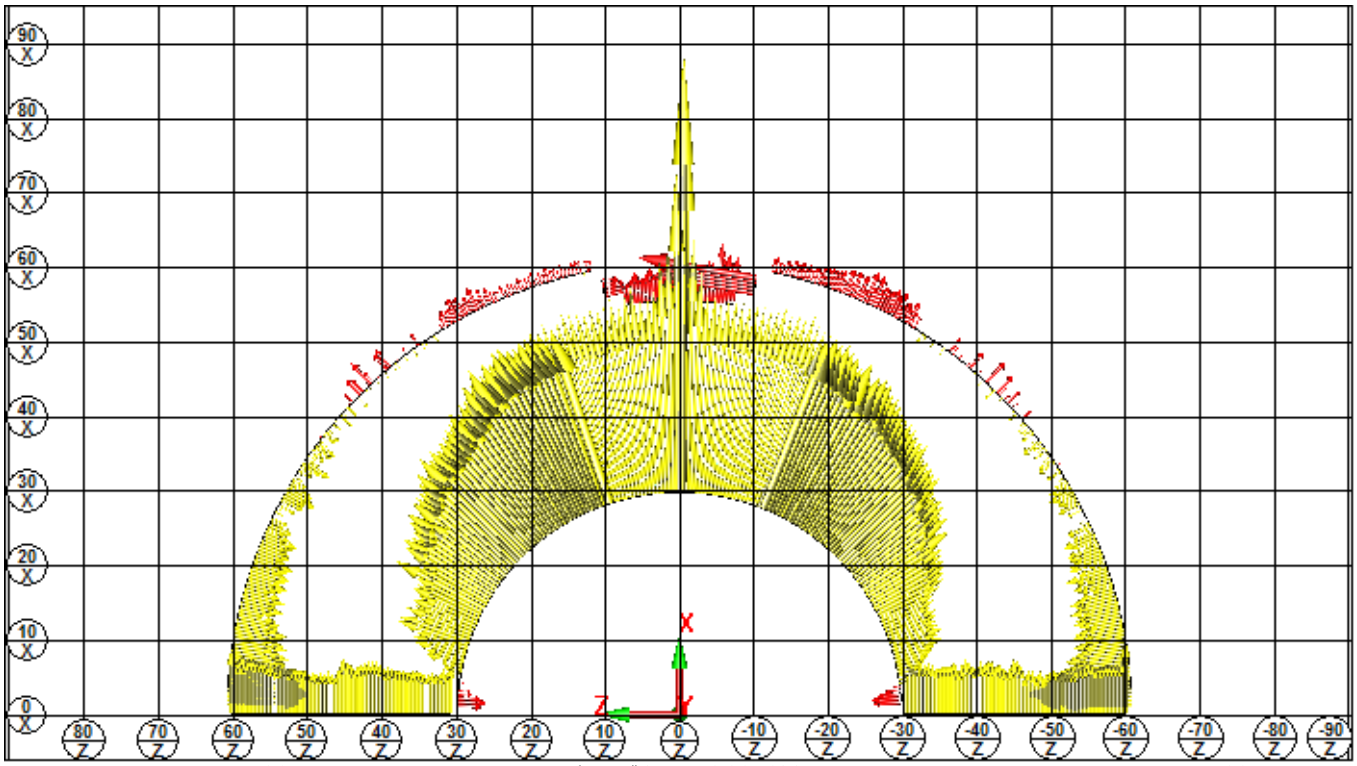
---------- CROSS SECTION #3 at 266.633 SLOTTED O.D. ----------

	MM	PROF61 - SCN_OD_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.117	-0.008	-0.117	
	MM	PROF62 - SCN_SLT_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.020	0.020	0.012	
	MM	PROF63 - SCN_SLT_BOT_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.054	0.016	-0.038	
	MM	PROF64 - SCN_SLT_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.152	0.152	0.115	
	MM	PROF65 - SCN_OD_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.146	-0.011	-0.146	
	MM	PROF66 - SCN_PP_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.051	0.016	-0.035	
	MM	PROF67 - SCN_ID_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.569	0.045	-0.524	
	MM	PROF68 - SCN_PP_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.035	0.013	-0.023	



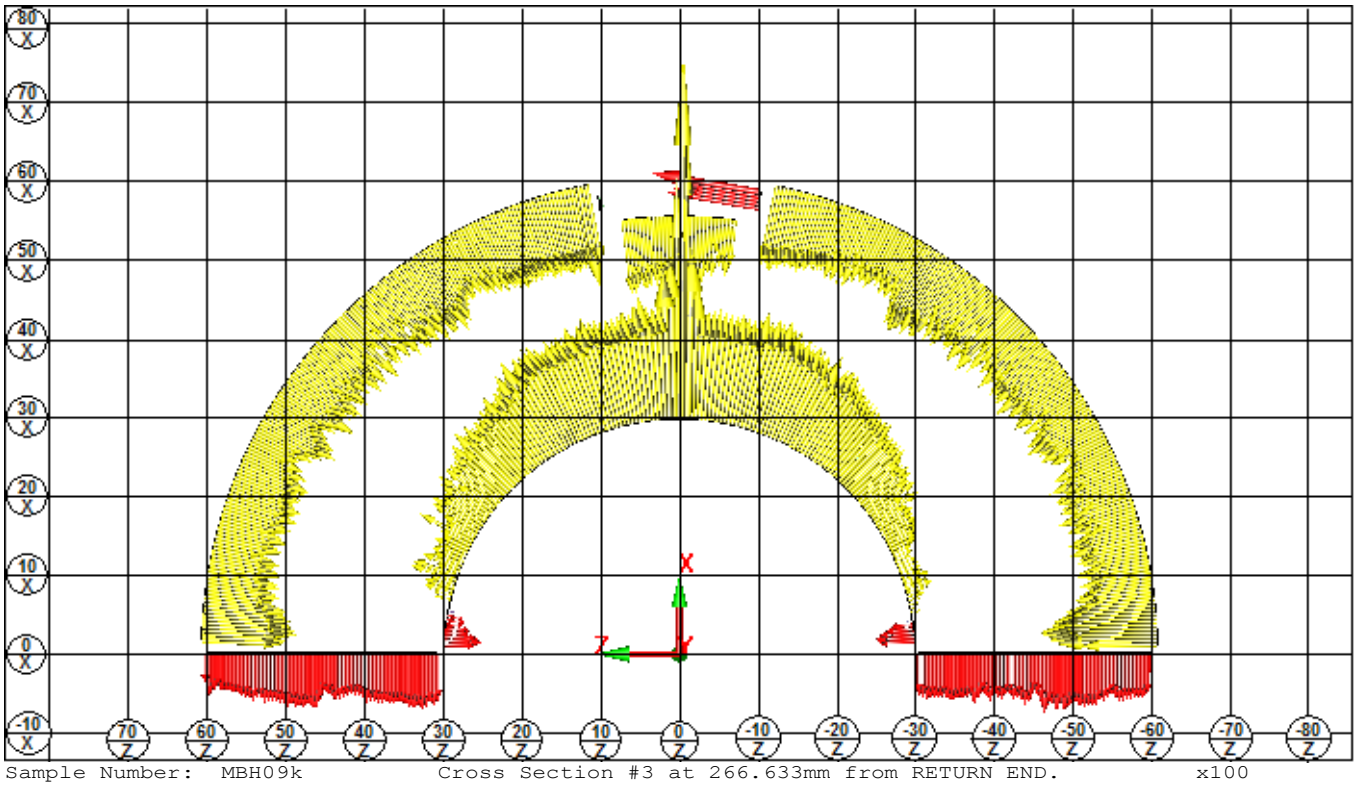
Sample Number: MBH09k Cross Section #3 at 266.633mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF69 - SCN_OD_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.152	0.038	-0.114	
	MM	PROF70 - SCN_SLT_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.035	0.035	0.021	
	MM	PROF71 - SCN_SLT_BOT_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.080	0.080	0.026	
	MM	PROF72 - SCN_SLT_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.163	0.163	0.127	
	MM	PROF73 - SCN_OD_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.188	0.045	-0.142	
	MM	PROF74 - SCN_PP_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.100	-0.049	-0.100	
	MM	PROF75 - SCN_ID_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.628	0.041	-0.588	
	MM	PROF76 - SCN_PP_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.087	-0.051	-0.087	



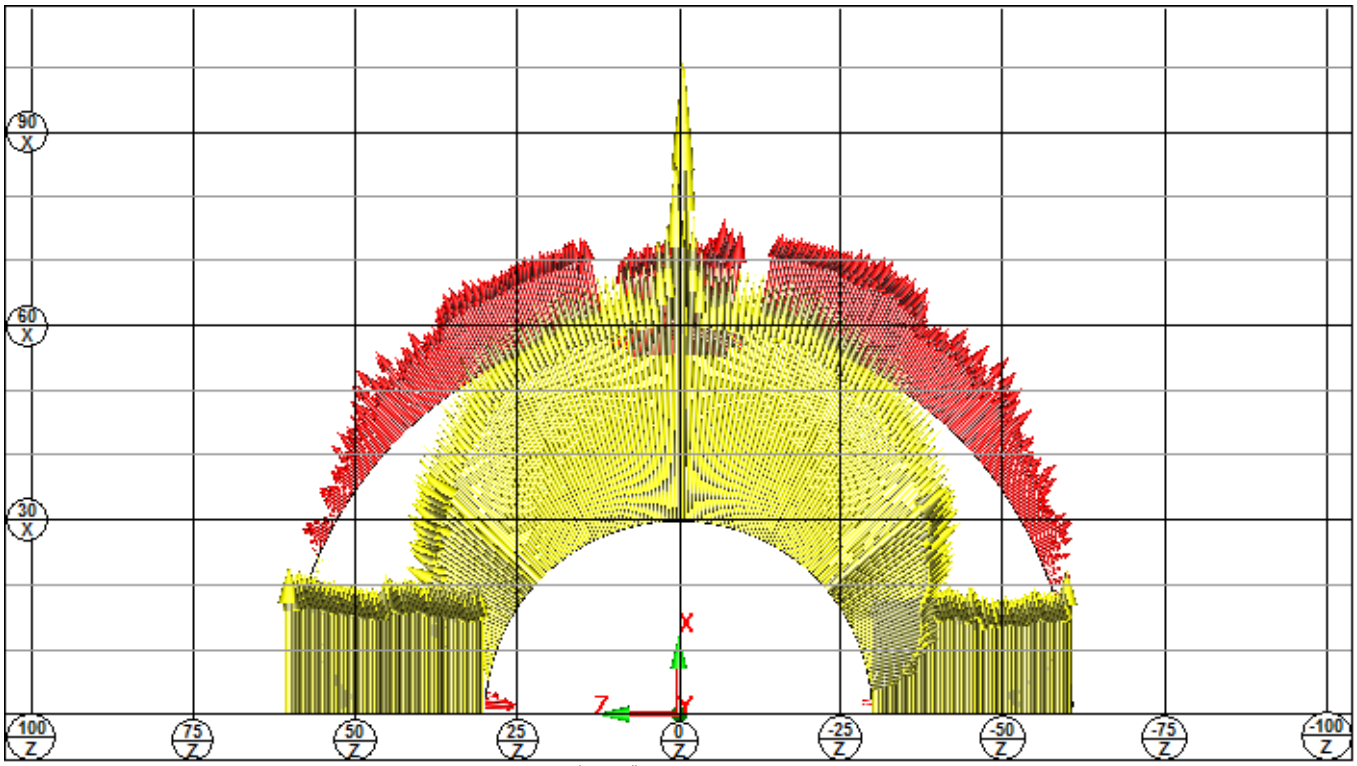
Sample Number: MBH09k Cross Section #3 at 266.633mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF192 - SCN_OD_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.129	-0.053	-0.129	
	MM	PROF193 - SCN_SLT_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.006	0.006	0.004	
	MM	PROF194 - SCN_SLT_BOT_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.098	-0.044	-0.098	
	MM	PROF195 - SCN_SLT_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.141	0.141	0.105	
	MM	PROF196 - SCN_OD_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.150	-0.055	-0.150	
	MM	PROF197 - SCN_PP_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.077	0.077	0.026	
	MM	PROF198 - SCN_ID_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.513	0.050	-0.463	
	MM	PROF199 - SCN_PP_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.073	0.073	0.038	



Sample Number: MBH09k Cross Section #3 at 266.633mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #3 = 60.635 & 0.097

	MM	PROF77 - SCN_OD_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.267	0.144	-0.123	
	MM	PROF78 - SCN_SLT_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.090	0.090	0.063	
	MM	PROF79 - SCN_SLT_BOT_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.213	0.213	0.155	
	MM	PROF80 - SCN_SLT_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.161	0.161	0.125	
	MM	PROF81 - SCN_OD_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.291	0.172	-0.118	
	MM	PROF82 - SCN_PP_N_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.222	-0.173	-0.222	
	MM	PROF83 - SCN_ID_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.768	0.048	-0.720	
	MM	PROF84 - SCN_PP_P_3 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.228	-0.189	-0.228	



Sample Number: MBH09k Cross Section #3 at 266.633mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

---------- CROSS SECTION #4 at 447.335 SLOTTED O.D. ----------

	MM	PROF85 - SCN_OD_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.129	0.009	-0.119	

	MM	PROF86 - SCN_SLT_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.020	0.020	0.018	

	MM	PROF87 - SCN_SLT_BOT_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.052	-0.011	-0.052	

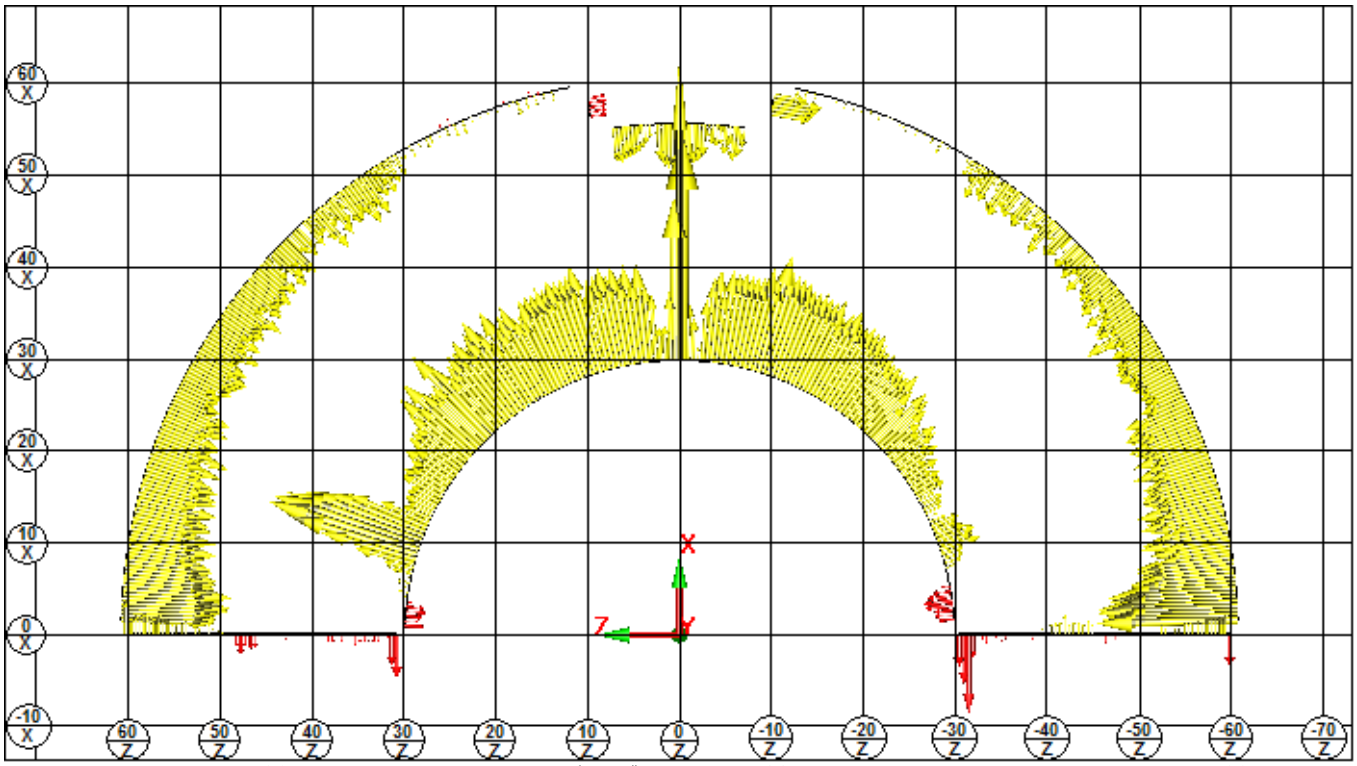
	MM	PROF88 - SCN_SLT_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.054	-0.035	-0.054	

	MM	PROF89 - SCN_OD_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.156	0.003	-0.153	

	MM	PROF90 - SCN_PP_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.108	0.087	-0.021	

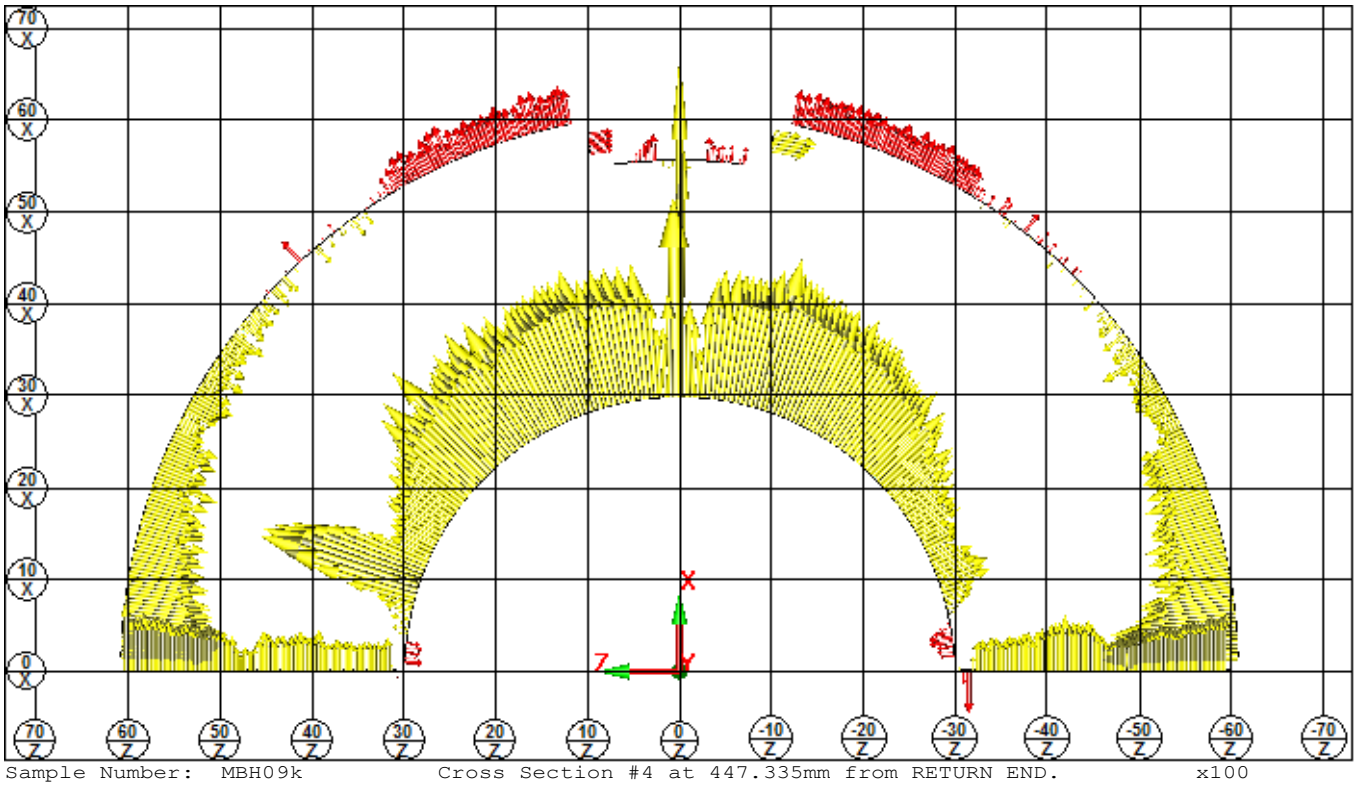
	MM	PROF91 - SCN_ID_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.363	0.031	-0.333	

	MM	PROF92 - SCN_PP_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.086	0.049	-0.037	



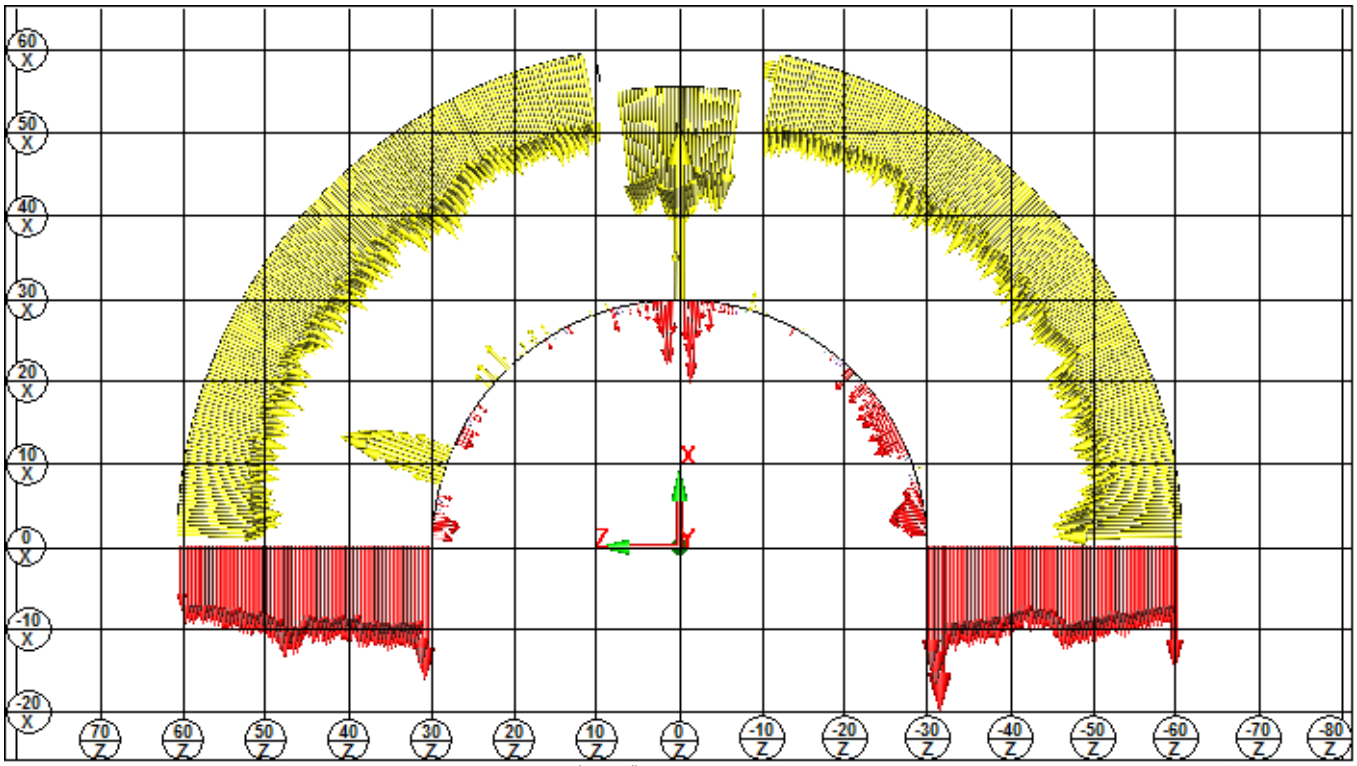
Sample Number: MBH09k Cross Section #4 at 447.335mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF93 - SCN_OD_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.162	0.045	-0.117	
	MM	PROF94 - SCN_SLT_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.027	0.027	0.025	
	MM	PROF95 - SCN_SLT_BOT_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.041	0.029	-0.012	
	MM	PROF96 - SCN_SLT_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.047	-0.028	-0.047	
	MM	PROF97 - SCN_OD_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.194	0.042	-0.152	
	MM	PROF98 - SCN_PP_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.108	0.047	-0.061	
	MM	PROF99 - SCN_ID_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.398	0.026	-0.372	
	MM	PROF100 - SCN_PP_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.086	0.009	-0.077	



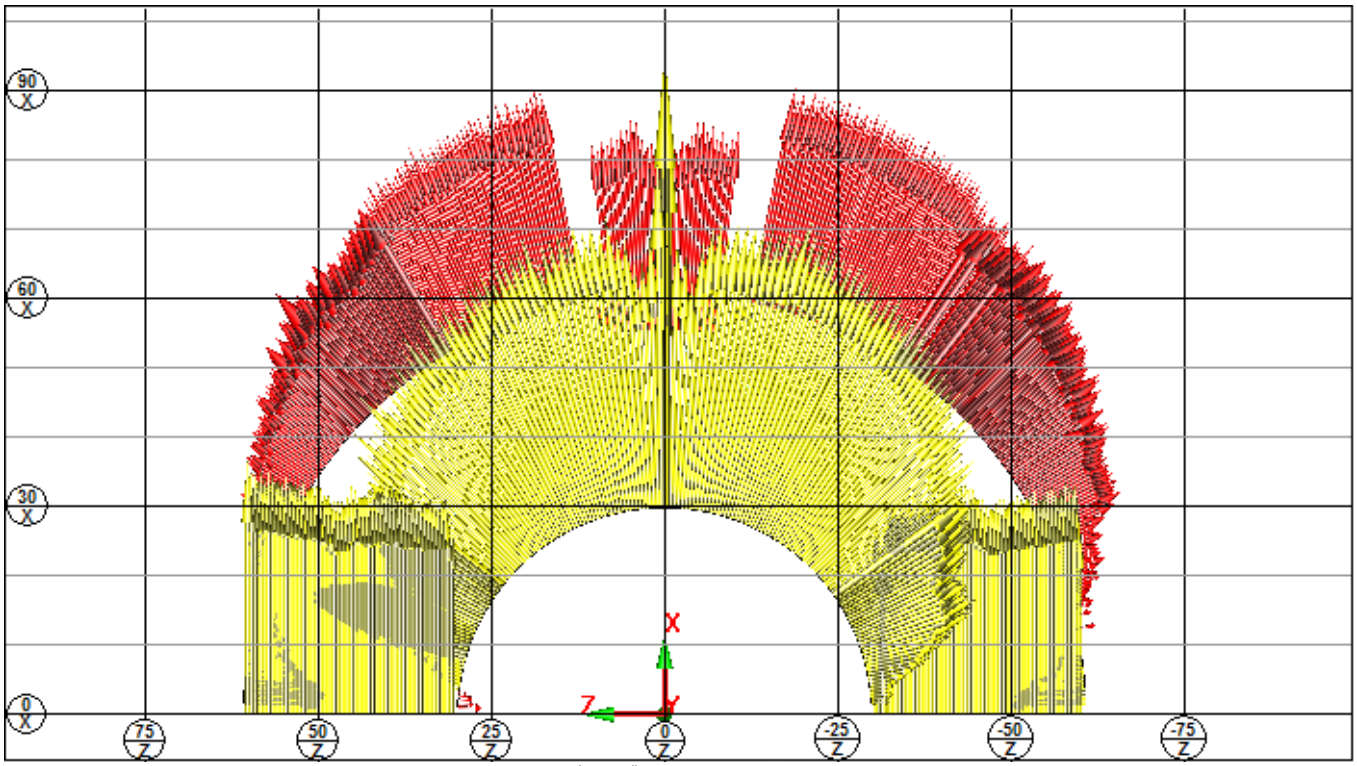
Sample Number: MBH09k Cross Section #4 at 447.335mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF200 - SCN_OD_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.149	-0.085	-0.149	
	MM	PROF201 - SCN_SLT_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.000	0.000	0.000	
	MM	PROF202 - SCN_SLT_BOT_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.167	-0.126	-0.167	
	MM	PROF203 - SCN_SLT_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.075	-0.056	-0.075	
	MM	PROF204 - SCN_OD_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.158	-0.084	-0.158	
	MM	PROF205 - SCN_PP_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.203	0.203	0.095	
	MM	PROF206 - SCN_ID_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.318	0.101	-0.217	
	MM	PROF207 - SCN_PP_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.164	0.164	0.078	



Sample Number: MBH09k Cross Section #4 at 447.335mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #4 = 60.613 & 0.073

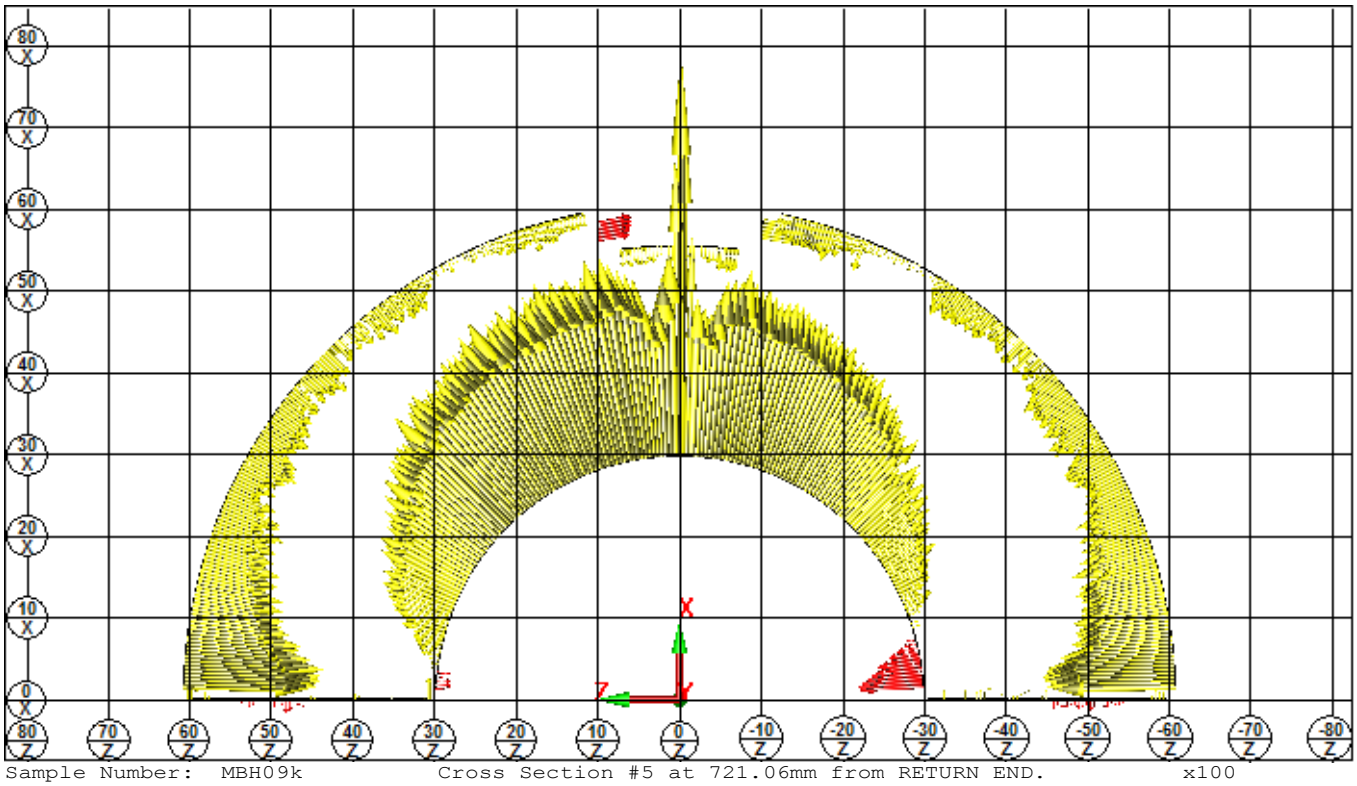
	MM	PROF101 - SCN_OD_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.439	0.314	-0.125	
	MM	PROF102 - SCN_SLT_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.110	0.110	0.104	
	MM	PROF103 - SCN_SLT_BOT_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.309	0.309	0.269	
	MM	PROF104 - SCN_SLT_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.032	-0.013	-0.032	
	MM	PROF105 - SCN_OD_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.441	0.321	-0.119	
	MM	PROF106 - SCN_PP_N_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.335	-0.230	-0.335	
	MM	PROF107 - SCN_ID_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.689	0.035	-0.654	
	MM	PROF108 - SCN_PP_P_4 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.367	-0.277	-0.367	



Sample Number: MBH09k Cross Section #4 at 447.335mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

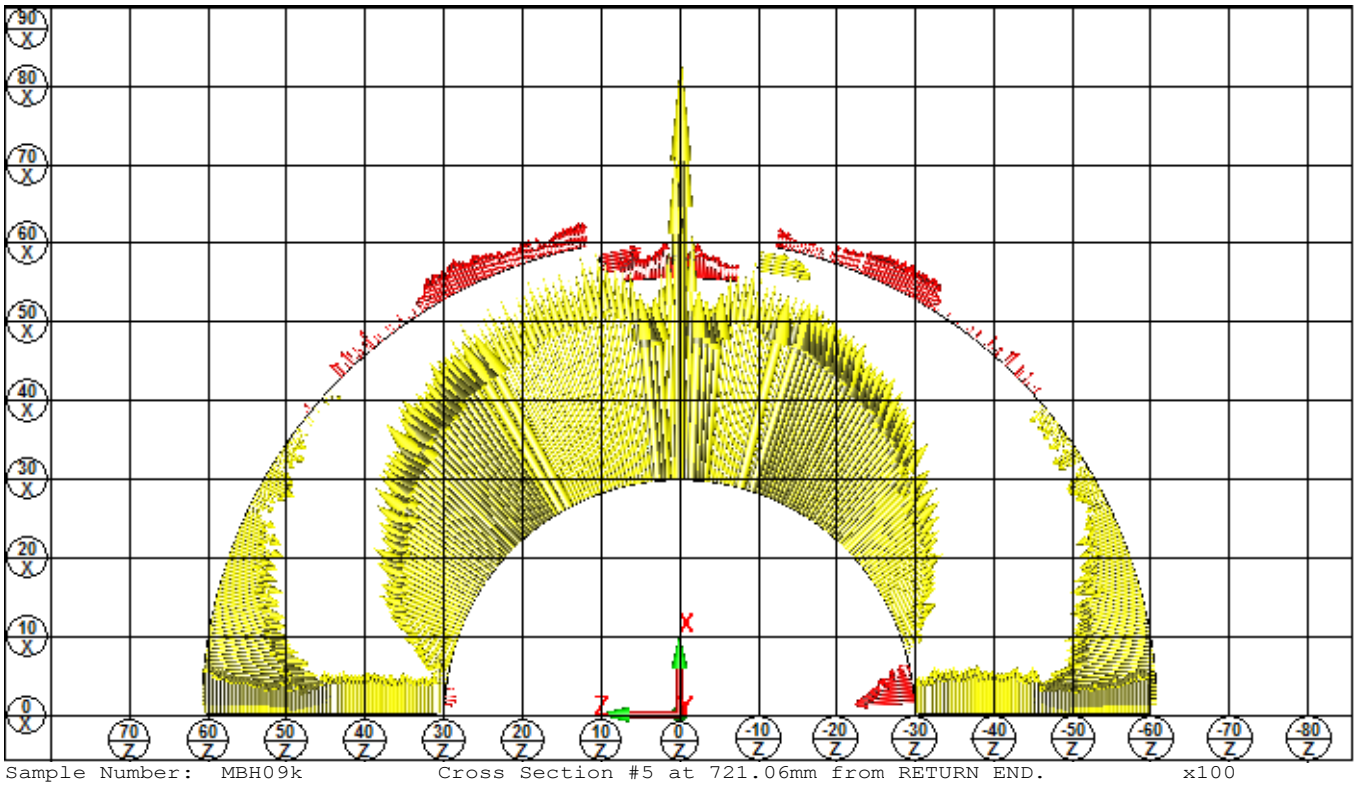
---------- CROSS SECTION #5 at 721.06 SLOTTED O.D. ----------

	MM	PROF109 - SCN_OD_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.171	-0.005	-0.171	
	MM	PROF110 - SCN_SLT_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.044	0.044	0.039	
	MM	PROF111 - SCN_SLT_BOT_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.029	-0.001	-0.029	
	MM	PROF112 - SCN_SLT_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.079	-0.046	-0.079	
	MM	PROF113 - SCN_OD_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.164	-0.004	-0.164	
	MM	PROF114 - SCN_PP_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.030	0.016	-0.014	
	MM	PROF115 - SCN_ID_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.573	0.081	-0.492	
	MM	PROF116 - SCN_PP_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.045	0.018	-0.026	



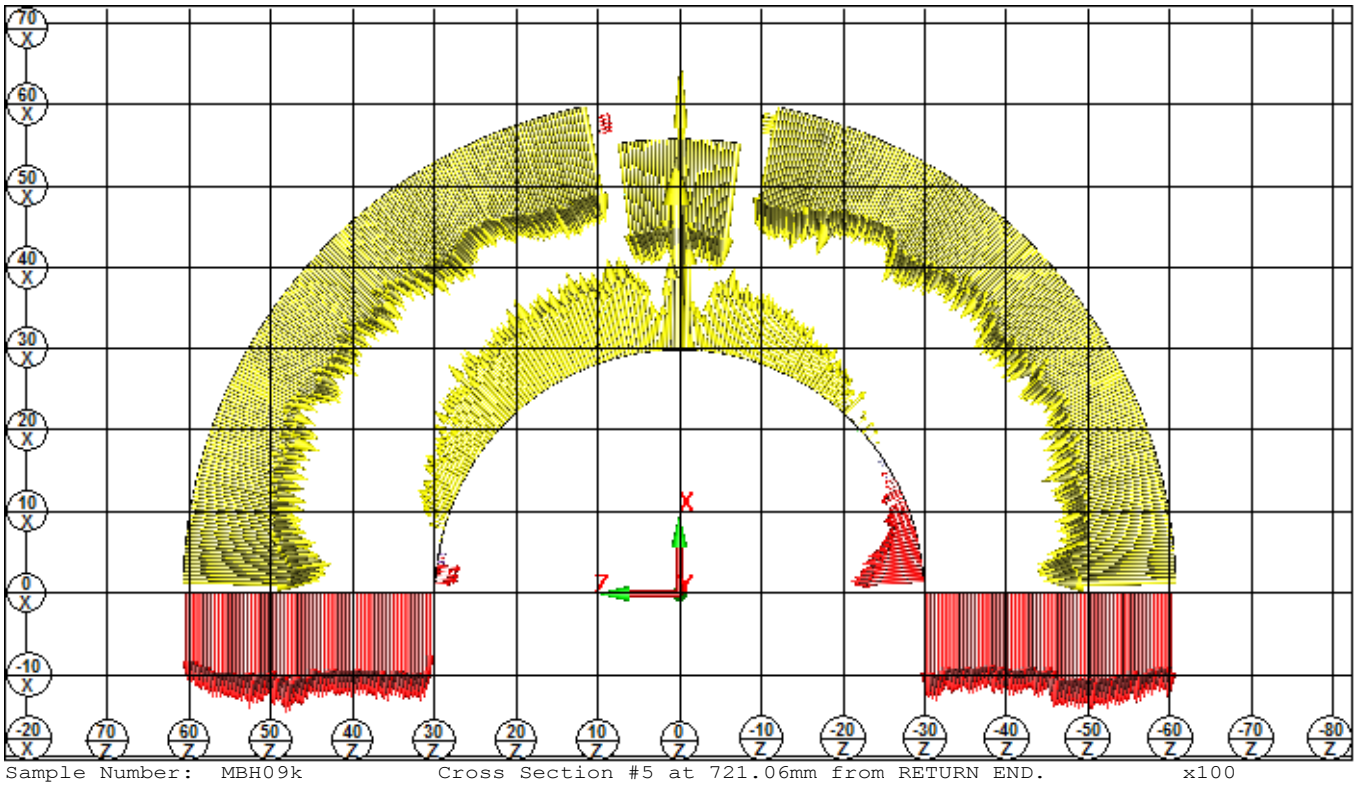
Sample Number: MBH09k Cross Section #5 at 721.06mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF117 - SCN_OD_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.206	0.039	-0.167	
	MM	PROF118 - SCN_SLT_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.054	0.054	0.047	
	MM	PROF119 - SCN_SLT_BOT_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.048	0.048	0.020	
	MM	PROF120 - SCN_SLT_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.070	-0.037	-0.070	
	MM	PROF121 - SCN_OD_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.200	0.040	-0.161	
	MM	PROF122 - SCN_PP_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.064	-0.034	-0.064	
	MM	PROF123 - SCN_ID_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.619	0.078	-0.541	
	MM	PROF124 - SCN_PP_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.076	-0.031	-0.076	



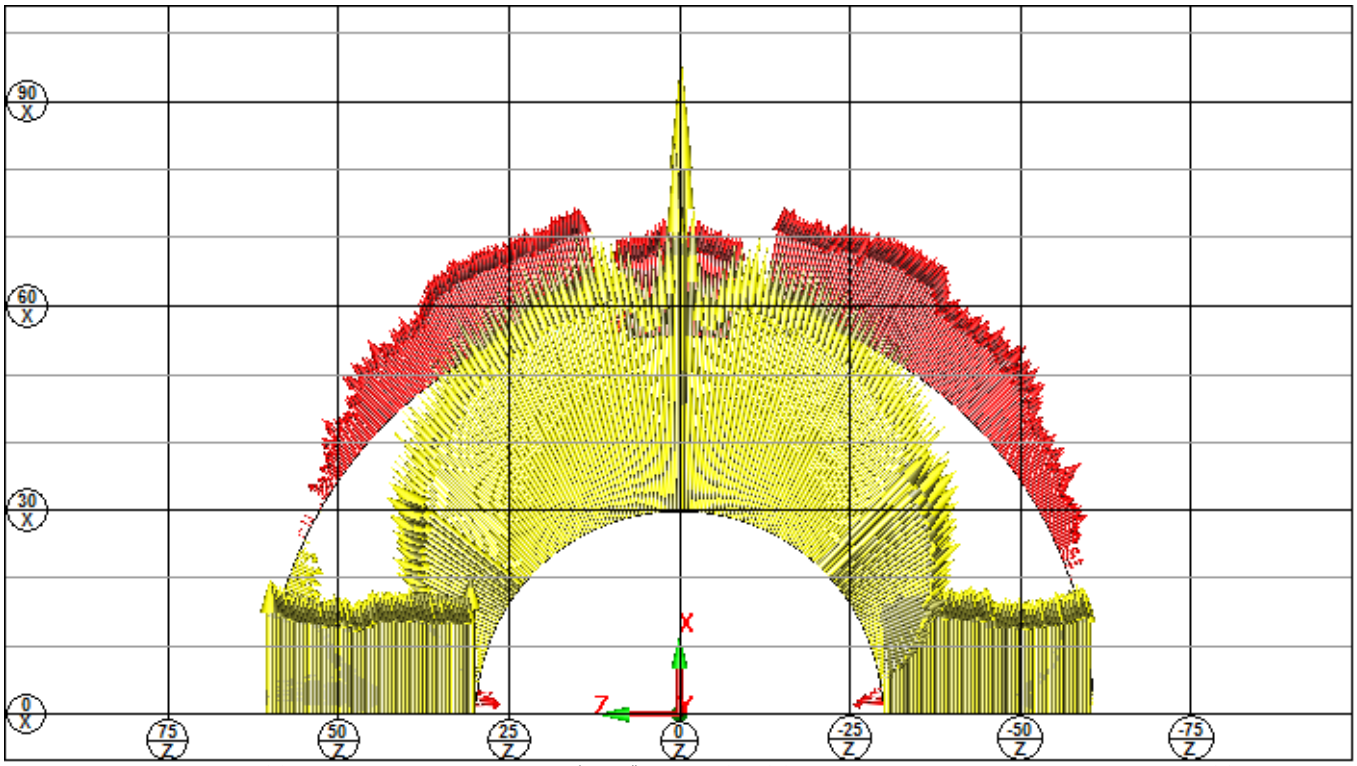
Sample Number: MBH09k Cross Section #5 at 721.06mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF208 - SCN_OD_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.182	-0.094	-0.182	
	MM	PROF209 - SCN_SLT_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.018	0.018	0.017	
	MM	PROF210 - SCN_SLT_BOT_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.159	-0.131	-0.159	
	MM	PROF211 - SCN_SLT_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.102	-0.069	-0.102	
	MM	PROF212 - SCN_OD_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.171	-0.096	-0.171	
	MM	PROF213 - SCN_PP_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.146	0.146	0.116	
	MM	PROF214 - SCN_ID_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.451	0.089	-0.361	
	MM	PROF215 - SCN_PP_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.148	0.148	0.104	



Sample Number: MBH09k Cross Section #5 at 721.06mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #5 = 60.595 & 0.088

	MM	PROF125 - SCN_OD_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.339	0.154	-0.186	
	MM	PROF126 - SCN_SLT_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.107	0.107	0.096	
	MM	PROF127 - SCN_SLT_BOT_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.177	0.177	0.151	
	MM	PROF128 - SCN_SLT_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.074	-0.041	-0.074	
	MM	PROF129 - SCN_OD_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.293	0.167	-0.126	
	MM	PROF130 - SCN_PP_N_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.193	-0.164	-0.193	
	MM	PROF131 - SCN_ID_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.715	0.044	-0.671	
	MM	PROF132 - SCN_PP_P_5 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.205	-0.160	-0.205	



Sample Number: MBH09k Cross Section #5 at 721.06mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

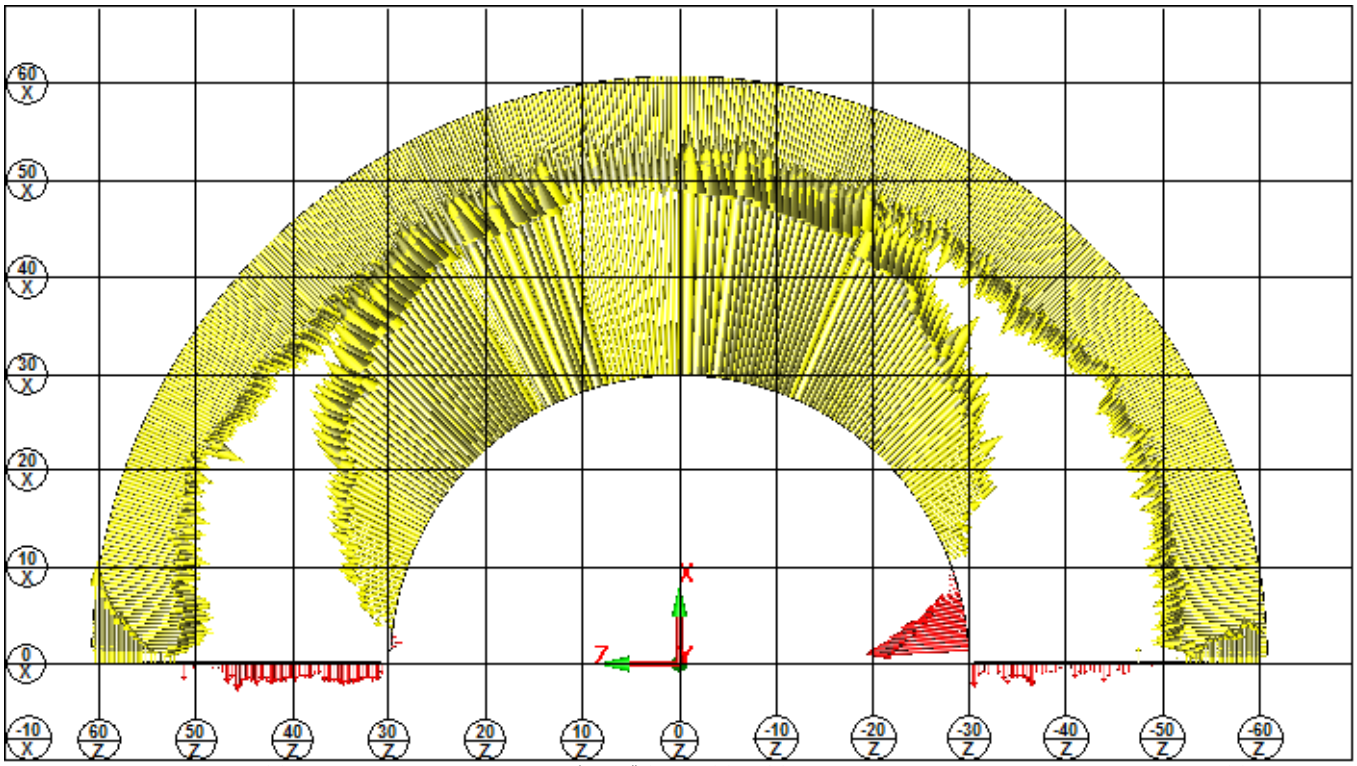
---------- CROSS SECTION #6 at 807.381 FULL O.D. ----------

	MM	PROF133 - SCN_OD_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.161	-0.072	-0.161	

	MM	PROF134 - SCN_PP_N_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.075	0.027	-0.048	

	MM	PROF135 - SCN_ID_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.388	0.107	-0.281	

	MM	PROF136 - SCN_PP_P_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.136	0.030	-0.106	



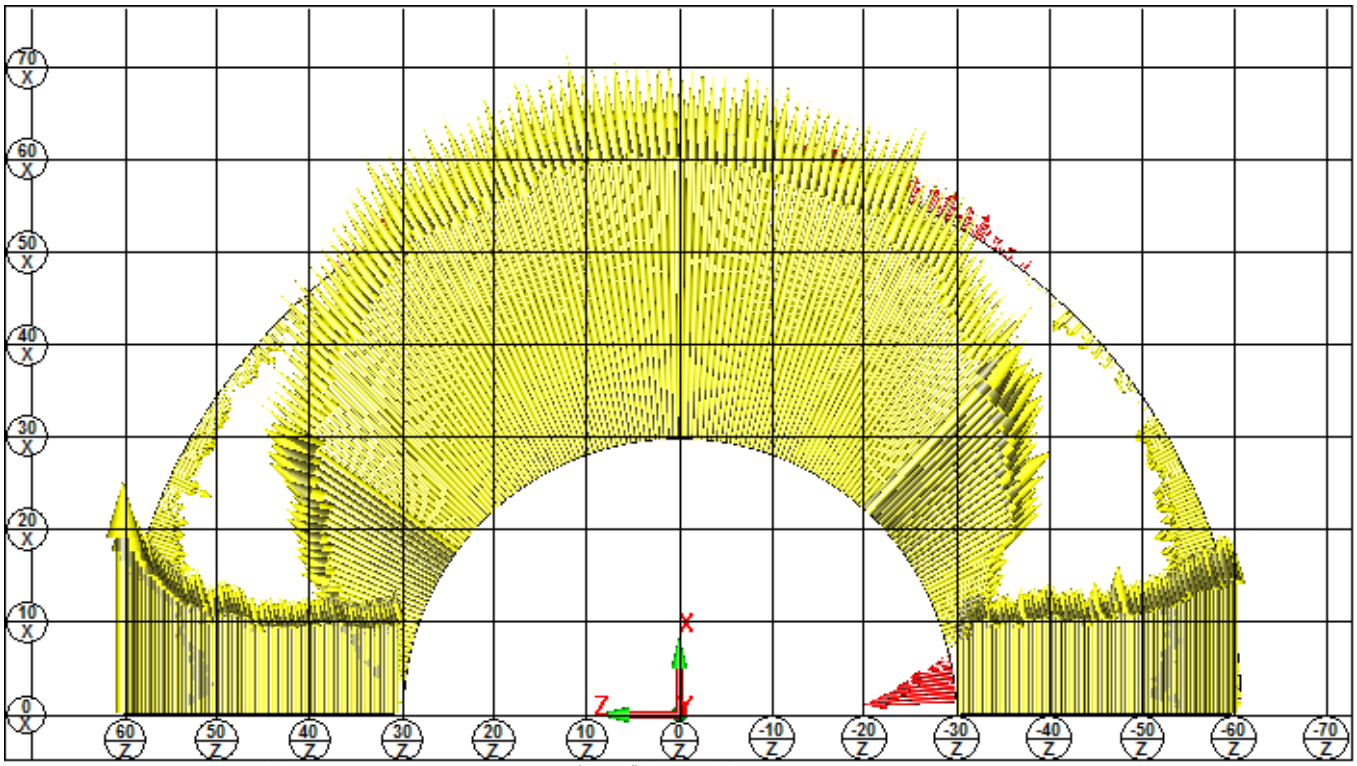
Sample Number: MBH09k Cross Section #6 at 807.381mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF137 - SCN_OD_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.148	0.033	-0.115

	MM	PROF138 - SCN_PP_N_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.195	-0.120	-0.195

	MM	PROF139 - SCN_ID_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.524	0.099	-0.426

	MM	PROF140 - SCN_PP_P_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.252	-0.116	-0.252



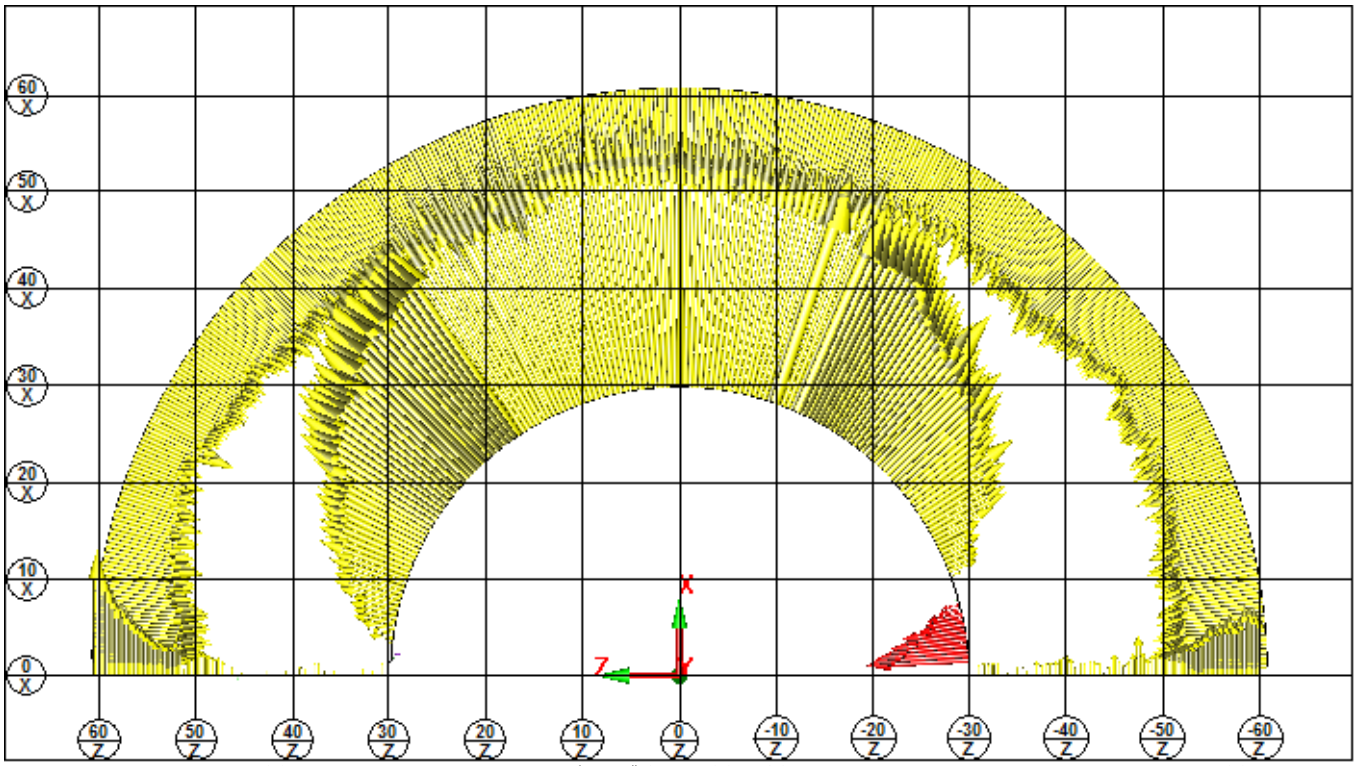
Sample Number: MBH09k Cross Section #6 at 807.381mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF216 - SCN_OD_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.138	-0.062	-0.138

	MM	PROF217 - SCN_PP_N_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.075	0.002	-0.073

	MM	PROF218 - SCN_ID_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.411	0.106	-0.305

	MM	PROF219 - SCN_PP_P_6 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.136	0.005	-0.130



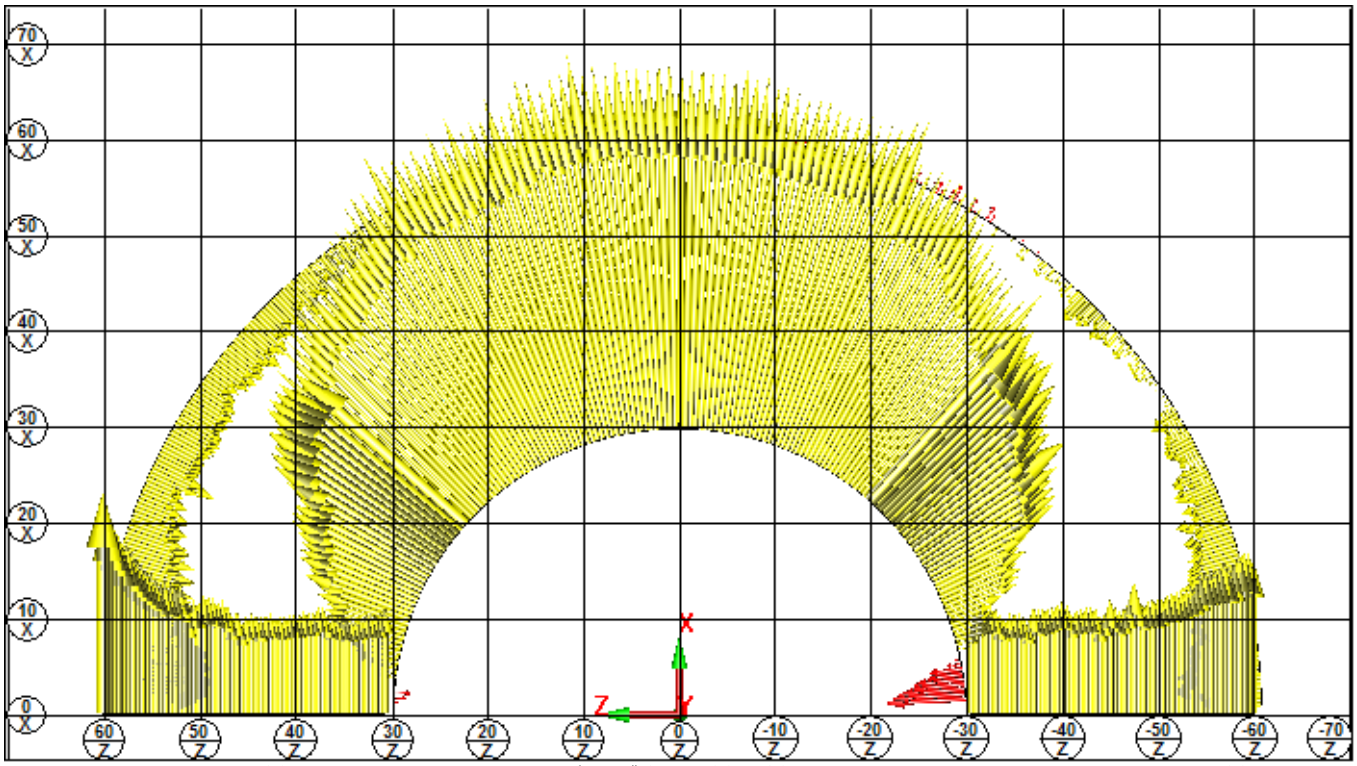
Sample Number: MBH09k Cross Section #6 at 807.381mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #6 = 60.631 & 0.076

	MM	PROF141 - SCN_OD_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.151	0.019	-0.131	

	MM	PROF142 - SCN_PP_N_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.170	-0.096	-0.170	

	MM	PROF143 - SCN_ID_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.486	0.085	-0.400	

	MM	PROF144 - SCN_PP_P_6 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.231	-0.095	-0.231	



Sample Number: MBH09k Cross Section #6 at 807.381mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

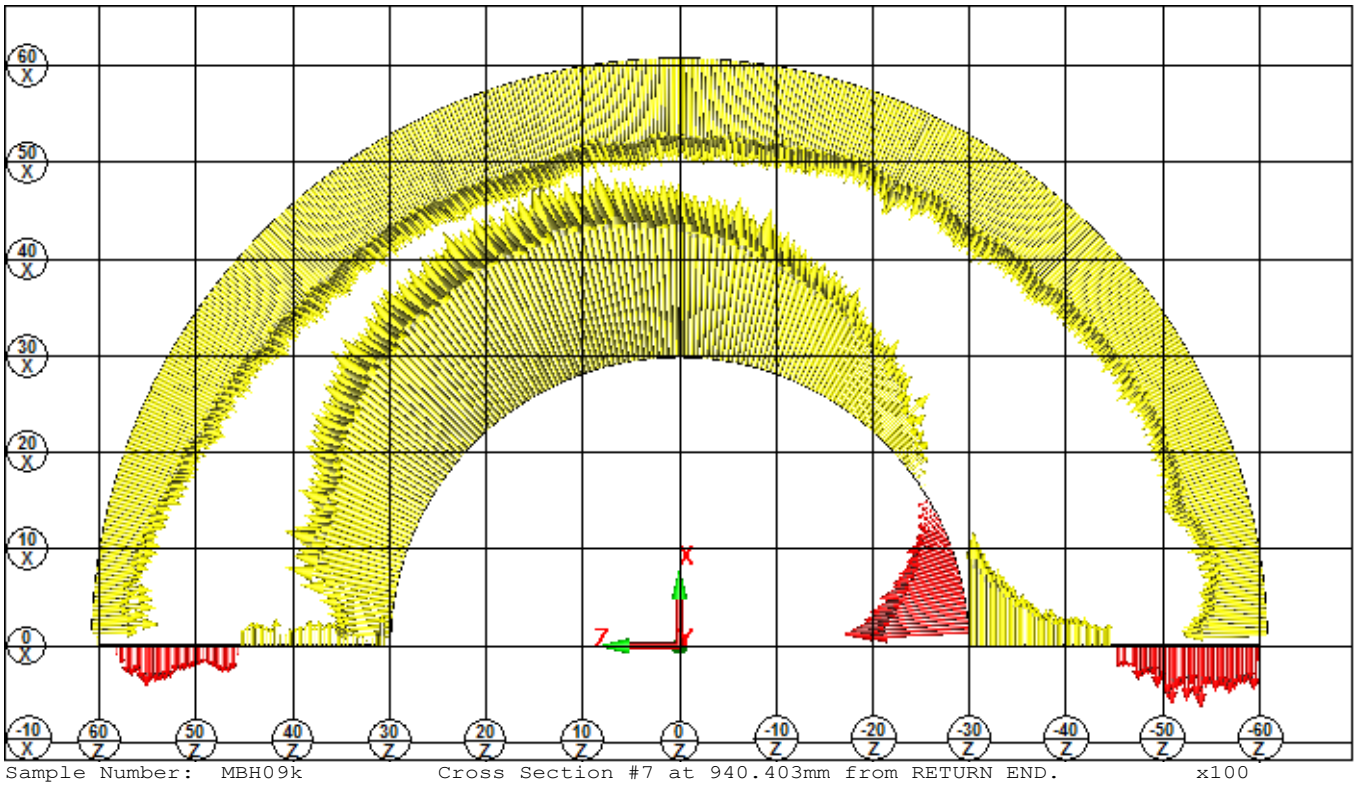
---------- CROSS SECTION #7 at 940.403 FULL O.D. ----------

	MM	PROF145 - SCN_OD_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.121	-0.037	-0.121	

	MM	PROF146 - SCN_PP_N_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.185	0.067	-0.118	

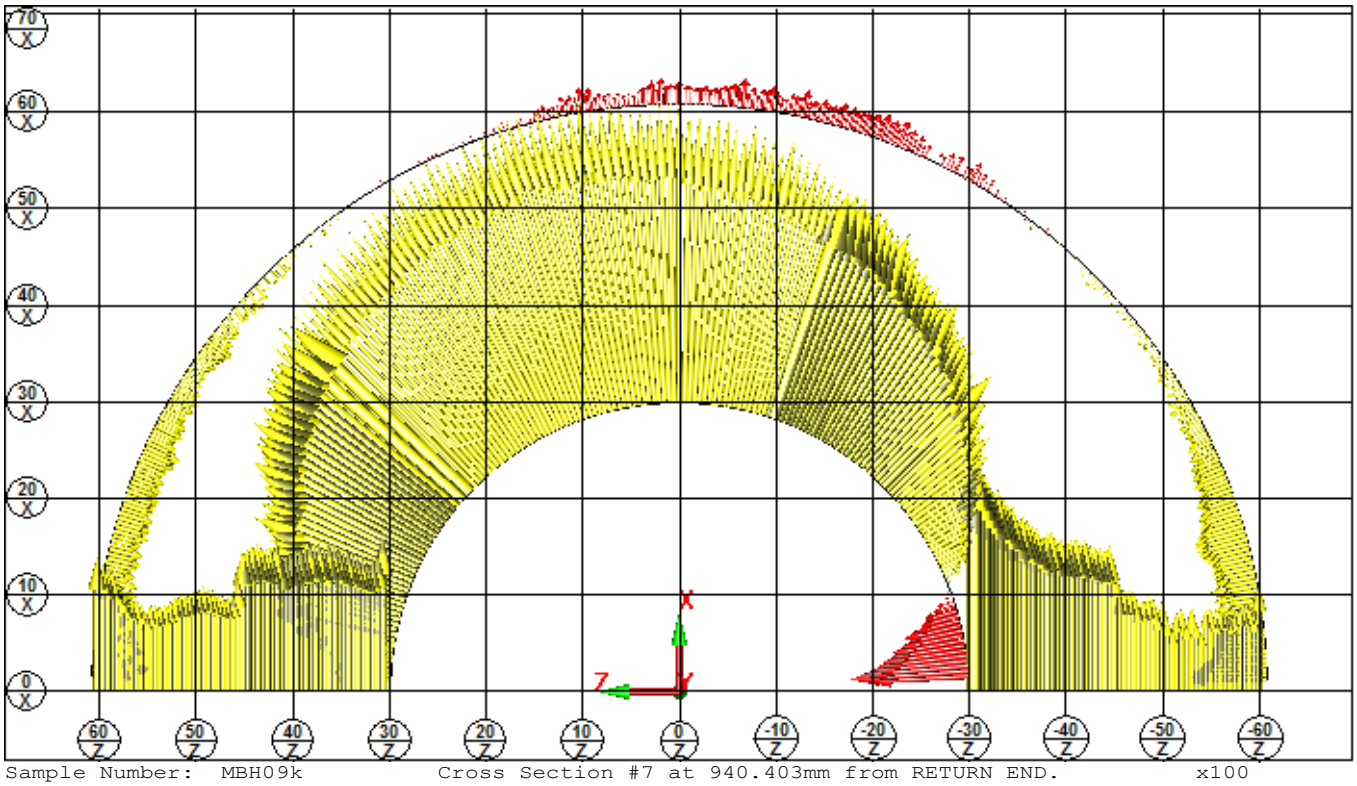
	MM	PROF147 - SCN_ID_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.331	0.131	-0.200	

	MM	PROF148 - SCN_PP_P_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.075	0.044	-0.031	



Sample Number: MBH09k Cross Section #7 at 940.403mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF149 - SCN_OD_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.117	0.030	-0.086	
	MM	PROF150 - SCN_PP_N_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.246	-0.062	-0.246	
	MM	PROF151 - SCN_ID_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.447	0.121	-0.326	
	MM	PROF152 - SCN_PP_P_7 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.159	-0.083	-0.159	



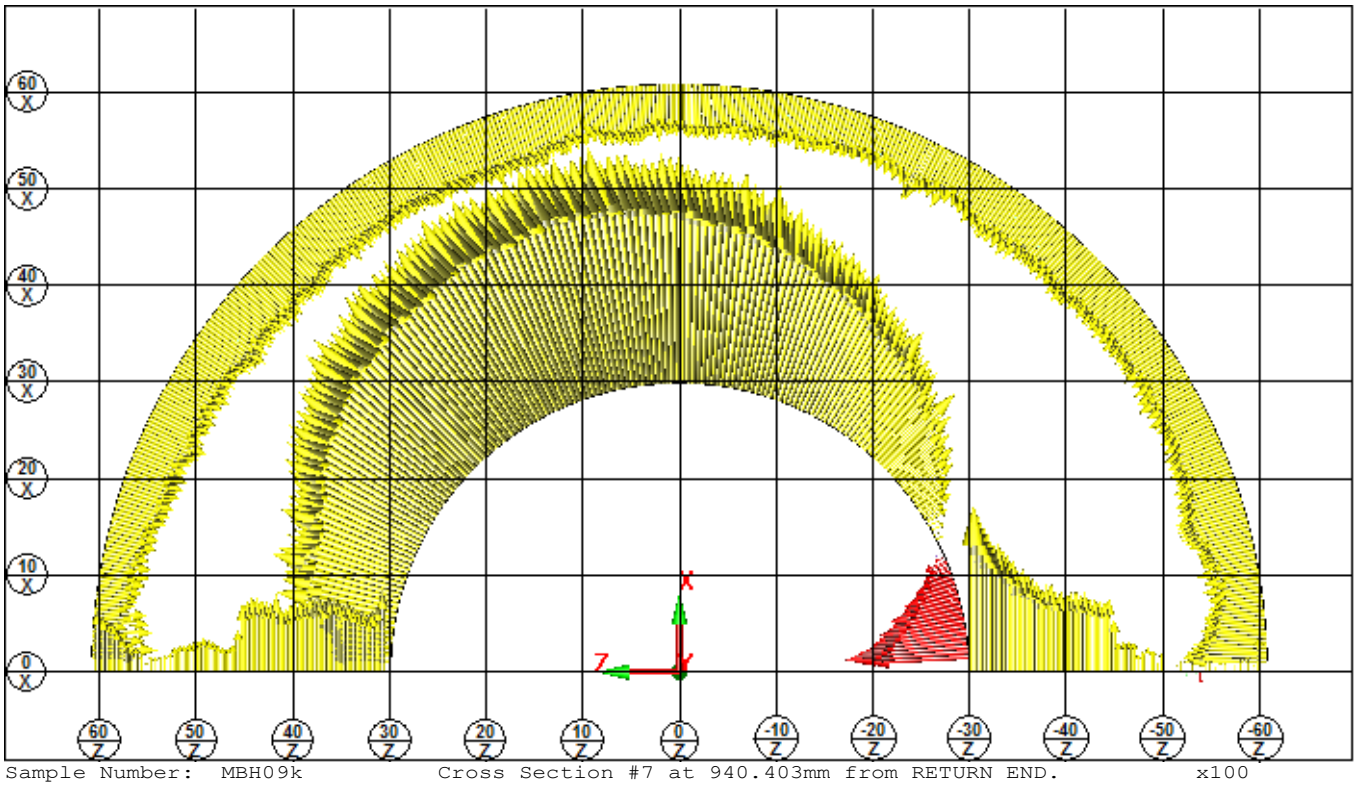
Sample Number: MBH09k Cross Section #7 at 940.403mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF220 - SCN_OD_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.088	-0.033	-0.088

	MM	PROF221 - SCN_PP_N_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.185	0.013	-0.171

	MM	PROF222 - SCN_ID_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.379	0.127	-0.252

	MM	PROF223 - SCN_PP_P_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.084	-0.009	-0.084



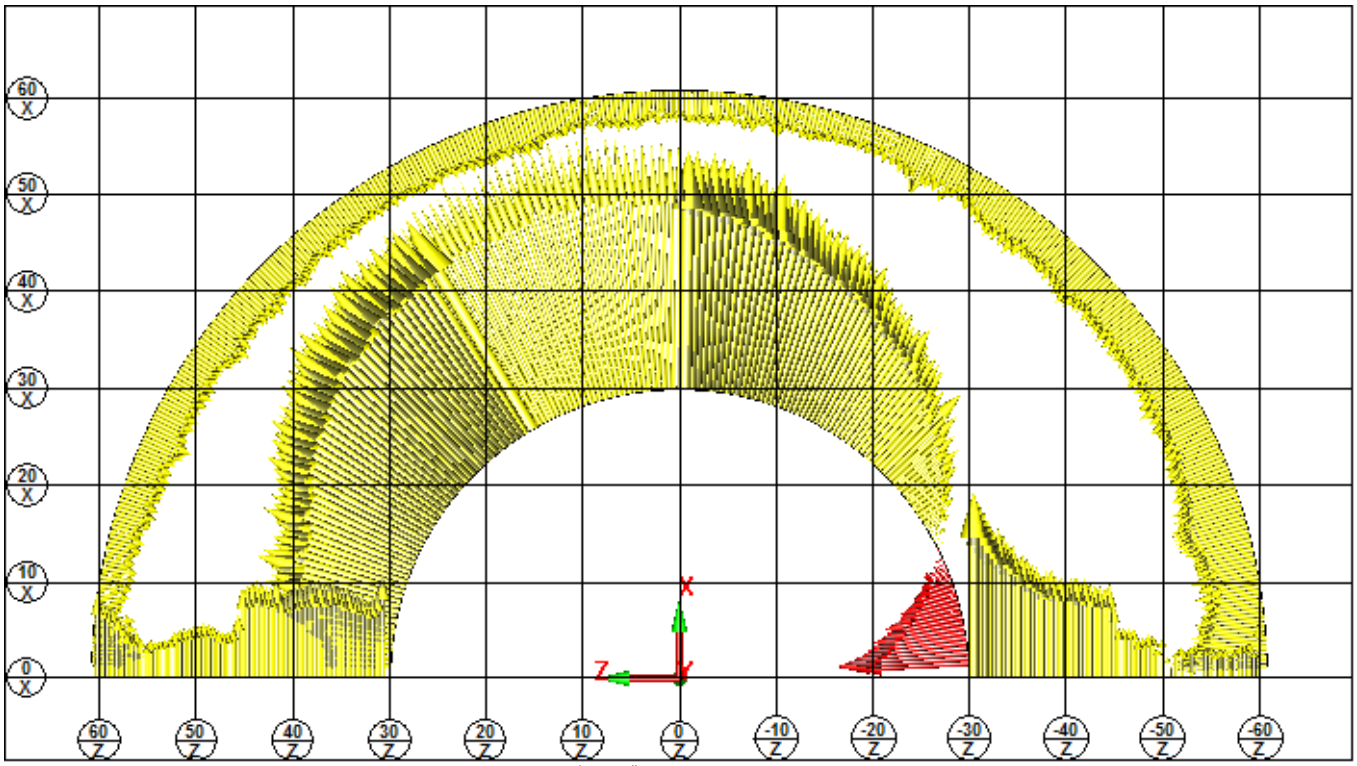
Sample Number: MBH09k Cross Section #7 at 940.403mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #7 = 60.668 & 0.056

	MM	PROF153 - SCN_OD_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.099	-0.020	-0.099

	MM	PROF154 - SCN_PP_N_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.193	-0.008	-0.193

	MM	PROF155 - SCN_ID_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.412	0.136	-0.276

	MM	PROF156 - SCN_PP_P_7 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.107	-0.032	-0.107



Sample Number: MBH09k Cross Section #7 at 940.403mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

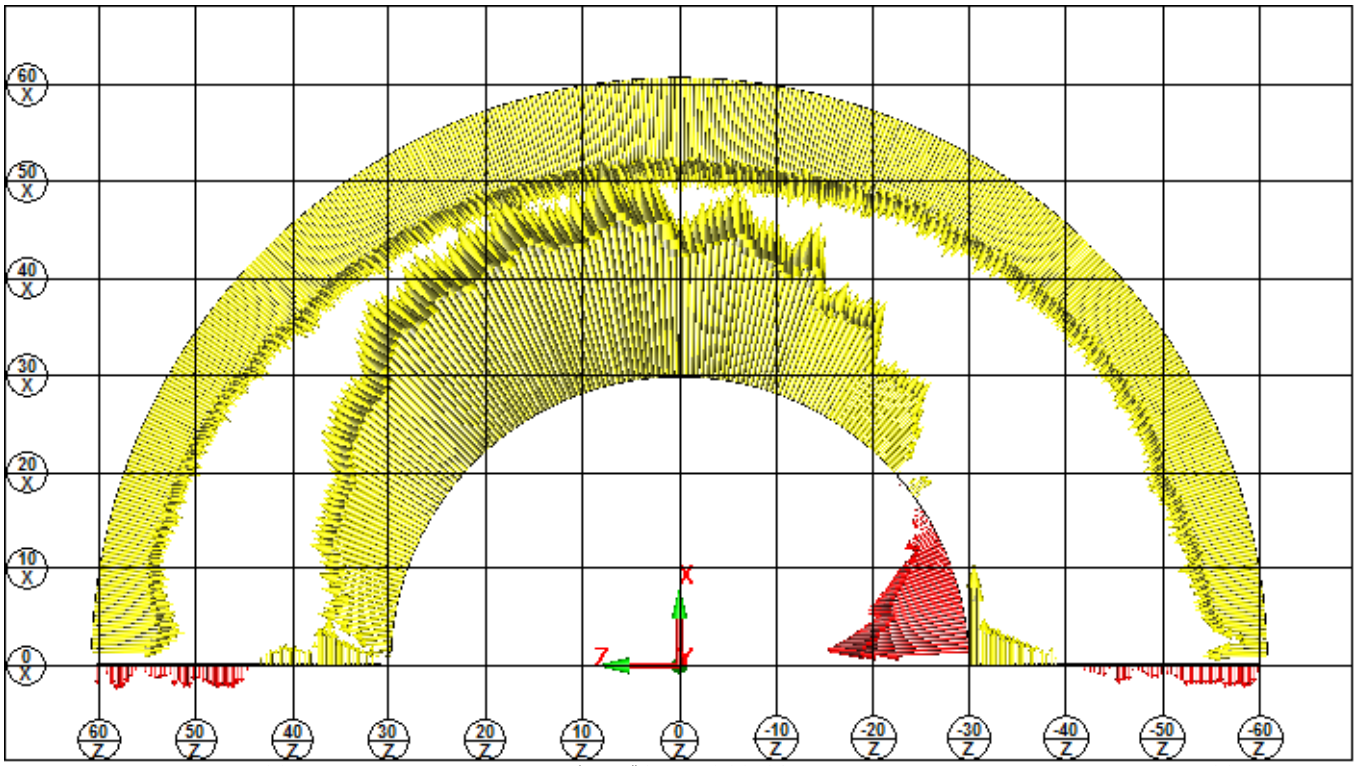
---------- CROSS SECTION #8 at 966.03 FULL O.D. ----------

	MM	PROF157 - SCN_OD_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.122	-0.029	-0.122	

	MM	PROF158 - SCN_PP_N_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.131	0.025	-0.105	

	MM	PROF159 - SCN_ID_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.379	0.147	-0.231	

	MM	PROF160 - SCN_PP_P_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.076	0.027	-0.049	



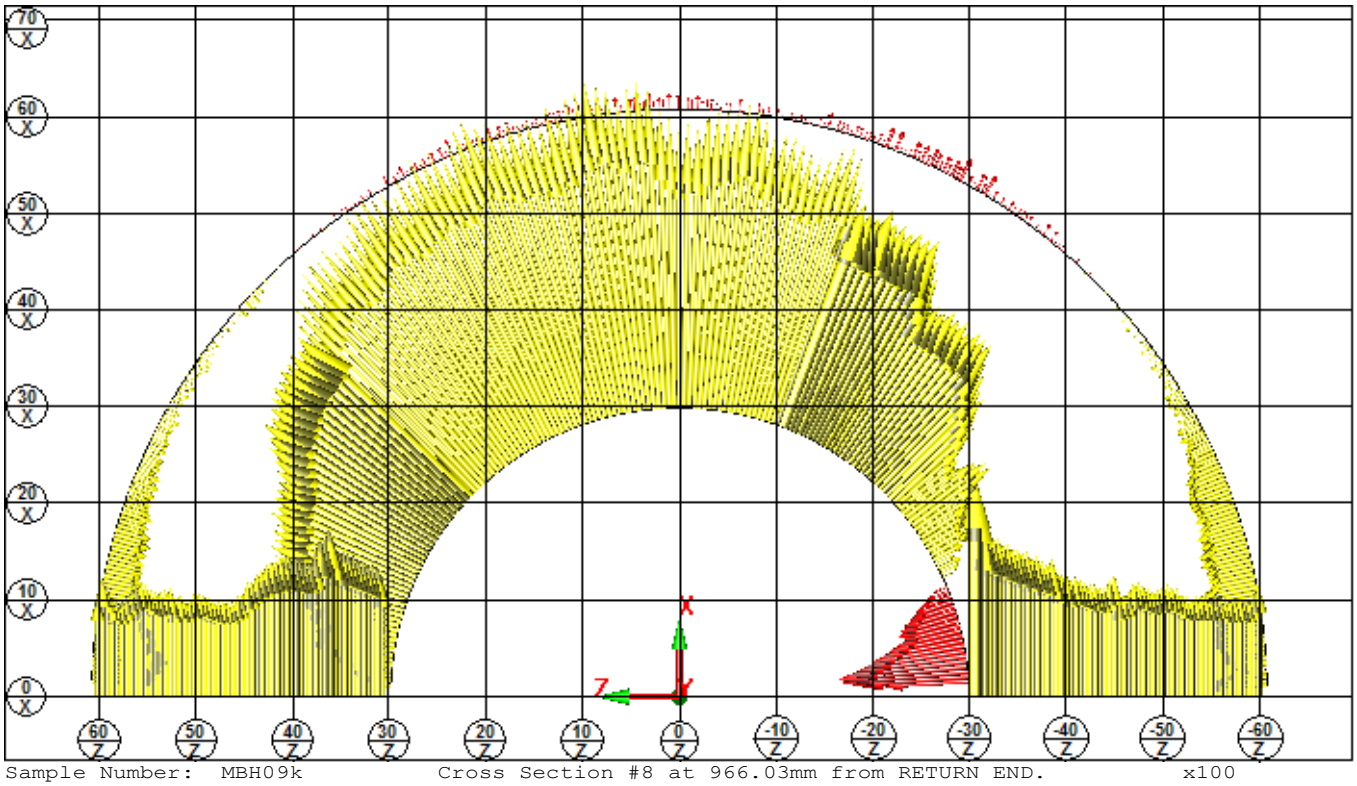
Sample Number: MBH09k Cross Section #8 at 966.03mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF161 - SCN_OD_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.112	0.025	-0.087	

	MM	PROF162 - SCN_PP_N_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.230	-0.100	-0.230	

	MM	PROF163 - SCN_ID_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.489	0.134	-0.355	

	MM	PROF164 - SCN_PP_P_8 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.174	-0.098	-0.174	



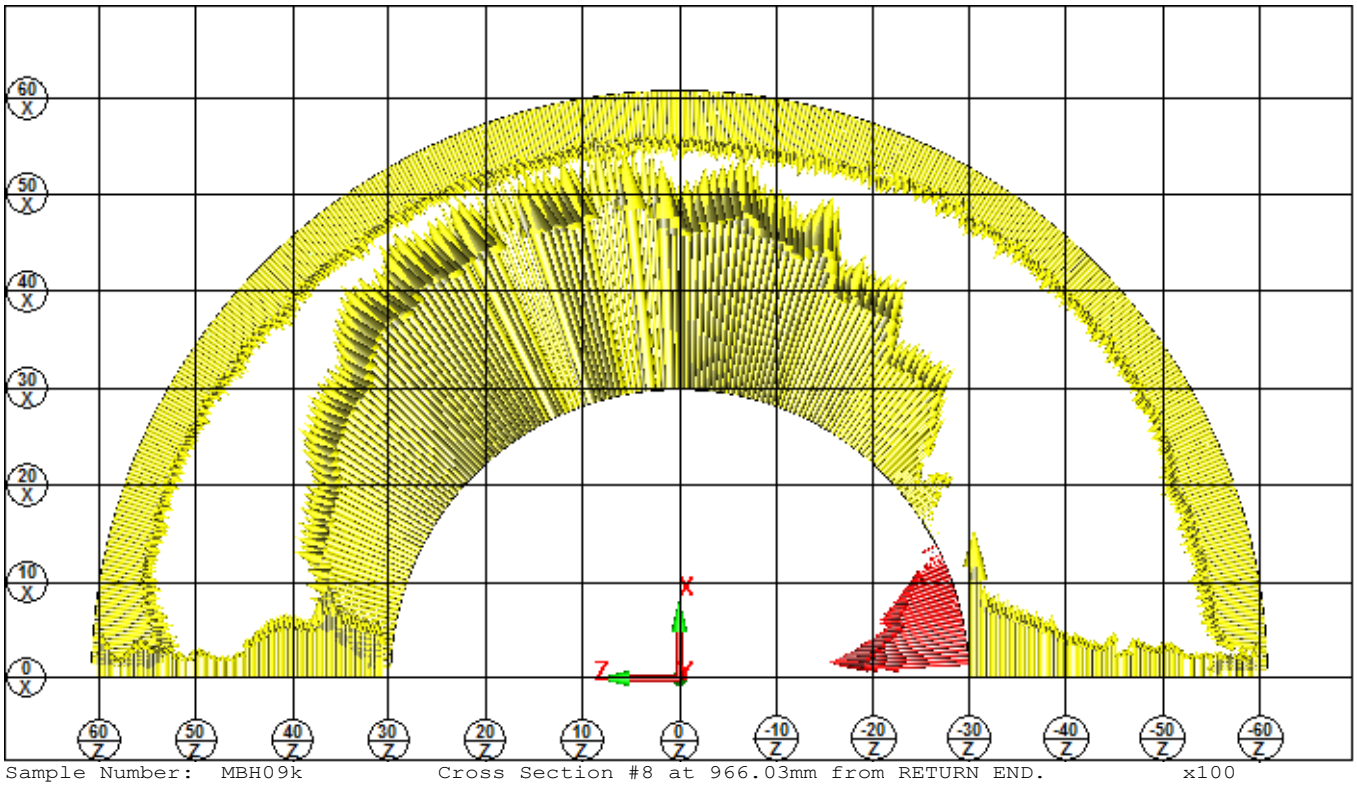
Sample Number: MBH09k Cross Section #8 at 966.03mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF224 - SCN_OD_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.092	-0.027	-0.092

	MM	PROF225 - SCN_PP_N_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.153	-0.022	-0.153

	MM	PROF226 - SCN_ID_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.421	0.143	-0.278

	MM	PROF227 - SCN_PP_P_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.096	-0.021	-0.096



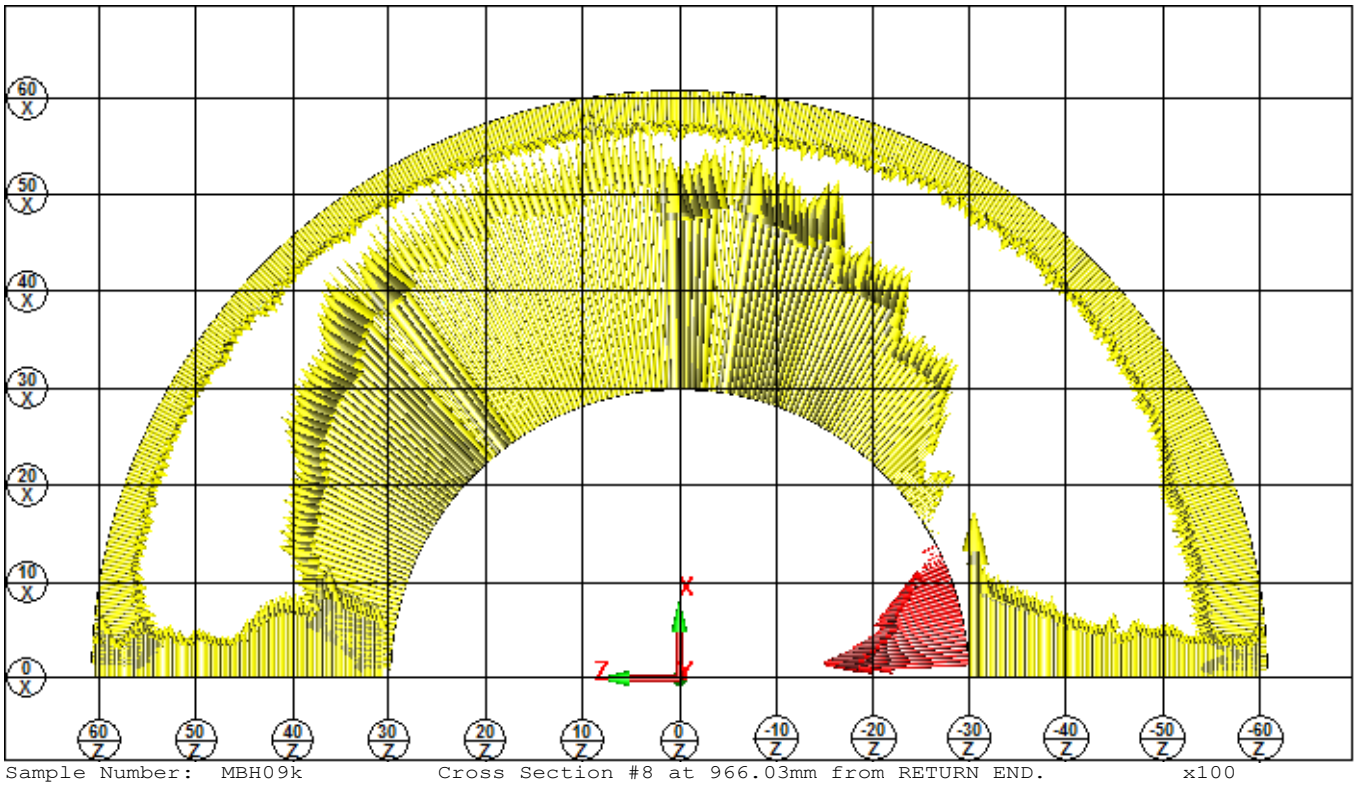
Sample Number: MBH09k Cross Section #8 at 966.03mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #8 = 60.666 & 0.065

	MM	PROF165 - SCN_OD_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.083	-0.027	-0.083

	MM	PROF166 - SCN_PP_N_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.173	-0.042	-0.173

	MM	PROF167 - SCN_ID_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.452	0.152	-0.300

	MM	PROF168 - SCN_PP_P_8 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.117	-0.041	-0.117



Sample Number: MBH09k Cross Section #8 at 966.03mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

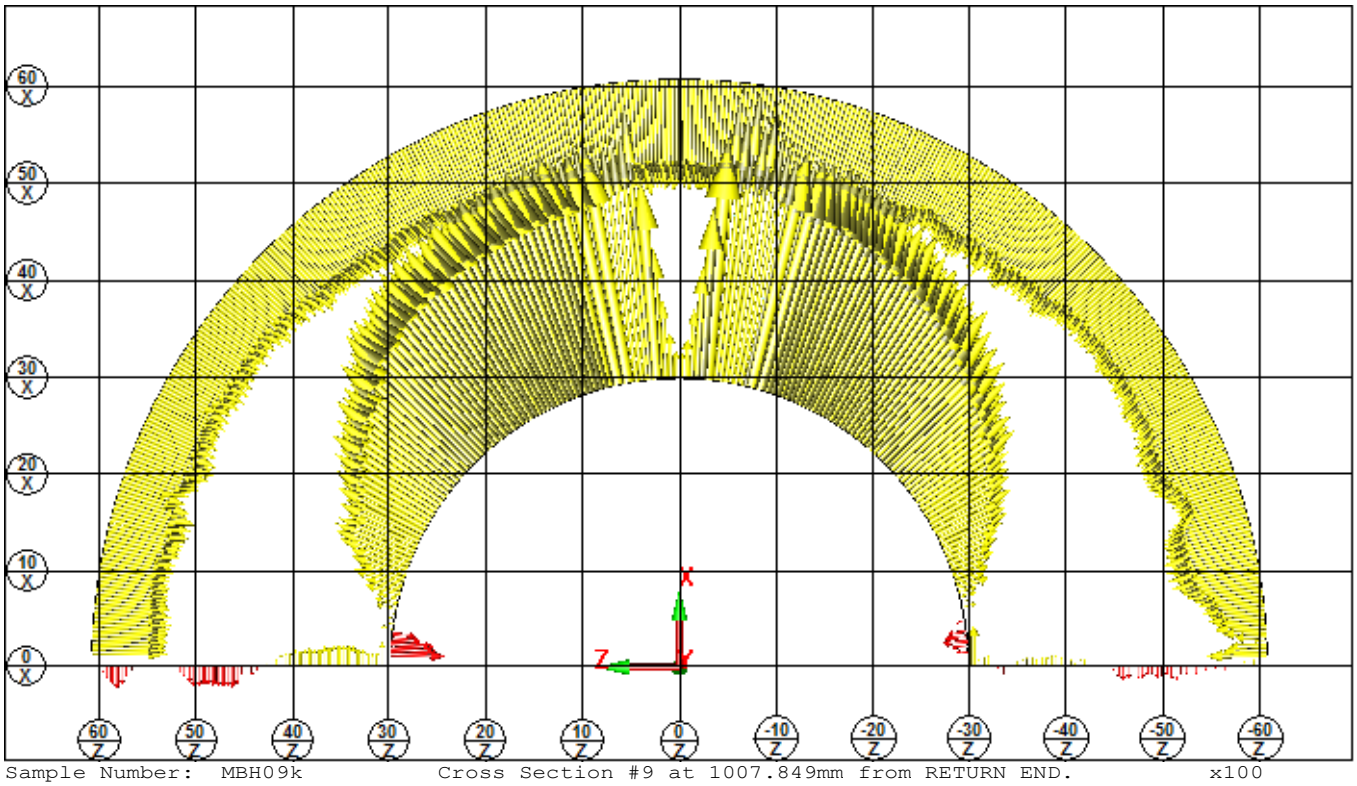
---------- CROSS SECTION #9 at 1007.849 FULL O.D. ----------

	MM	PROF169 - SCN_OD_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.122	-0.013	-0.122	

	MM	PROF170 - SCN_PP_N_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.057	0.015	-0.042	

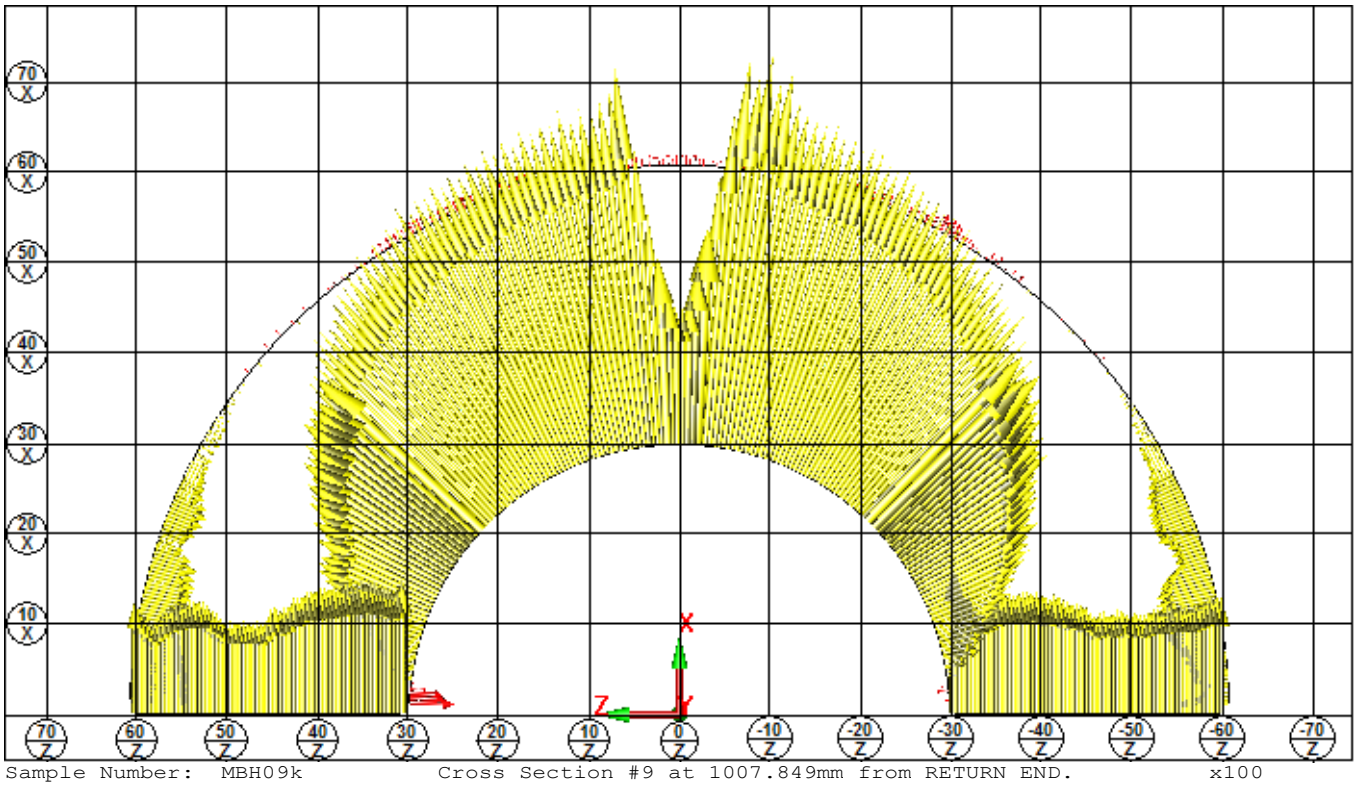
	MM	PROF171 - SCN_ID_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.371	0.055	-0.315	

	MM	PROF172 - SCN_PP_P_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.048	0.024	-0.024	



Sample Number: MBH09k Cross Section #9 at 1007.849mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : Parting Plane scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF173 - SCN_OD_9 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.095	0.020	-0.075	
	MM	PROF174 - SCN_PP_N_9 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.166	-0.109	-0.166	
	MM	PROF175 - SCN_ID_9 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.488	0.050	-0.438	
	MM	PROF176 - SCN_PP_P_9 FORMANDLOCATION			
AX		MEAS	MAX	MIN	
M		0.148	-0.100	-0.148	



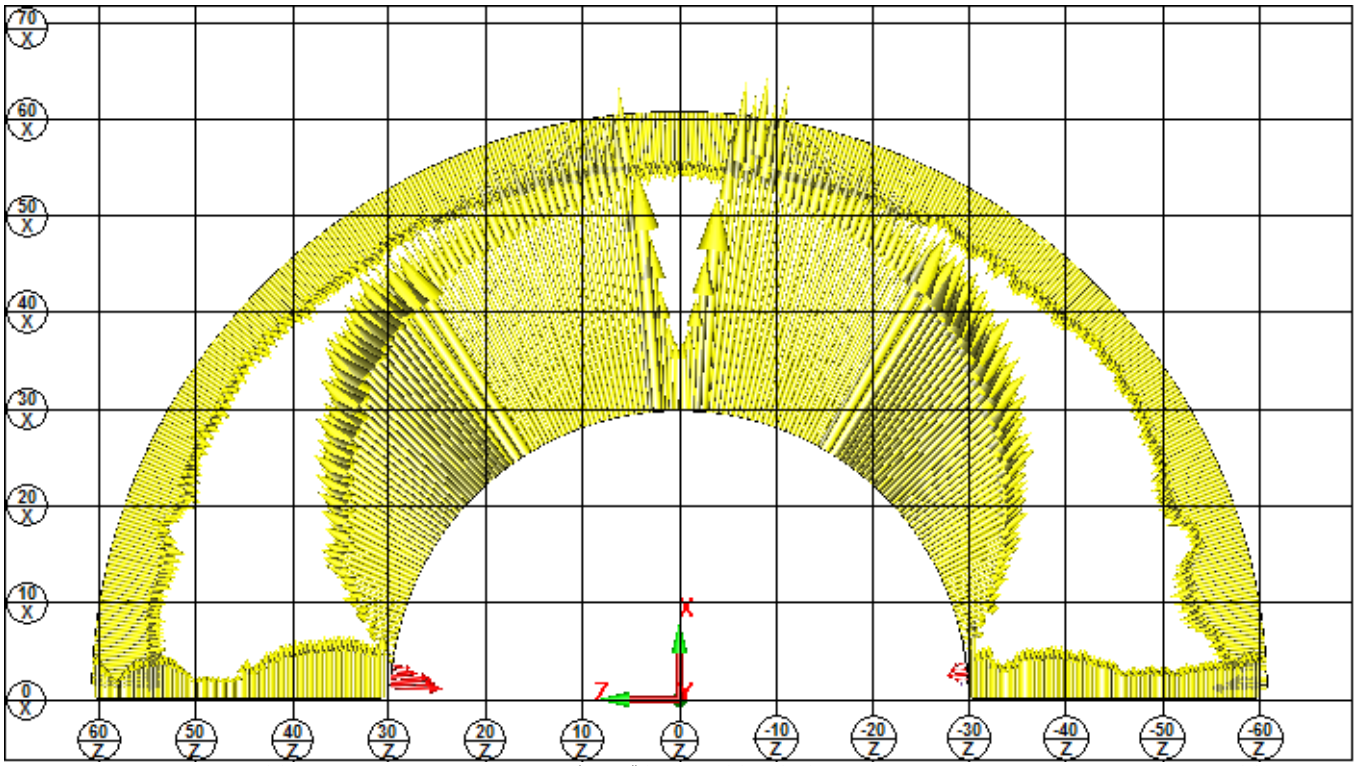
Sample Number: MBH09k Cross Section #9 at 1007.849mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scan
for 1 x-SECTION -X- is Best Fit to : O.D. scan
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan

	MM	PROF228 - SCN_OD_9 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.090	-0.011	-0.090

	MM	PROF229 - SCN_PP_N_9 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.086	-0.029	-0.086

	MM	PROF230 - SCN_ID_9 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.413	0.054	-0.359

	MM	PROF231 - SCN_PP_P_9 FORMANDLOCATION		
AX		MEAS	MAX	MIN
M		0.068	-0.020	-0.068



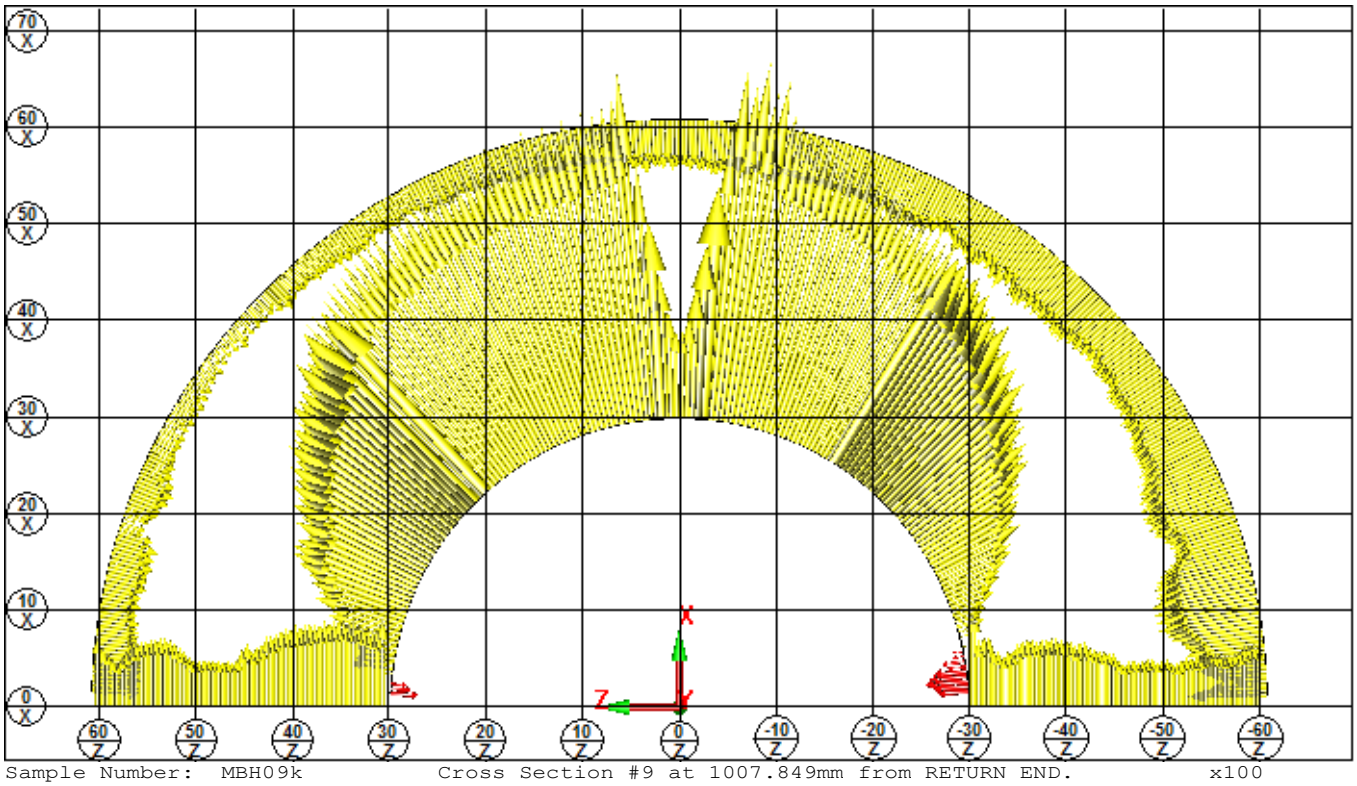
Sample Number: MBH09k Cross Section #9 at 1007.849mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : Constructed Circle
for 1 x-SECTION -X- is Best Fit to : Constructed Circle
x100 -Y- axis Rotation is Best Fit to : Parting Plane scan
Radius & Roundness of Constructed Circle at Cross Section #9 = 60.664 & 0.079

	MM	PROF177 - SCN_OD_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.110	-0.013	-0.110	

	MM	PROF178 - SCN_PP_N_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.103	-0.044	-0.103	

	MM	PROF179 - SCN_ID_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.419	0.044	-0.375	

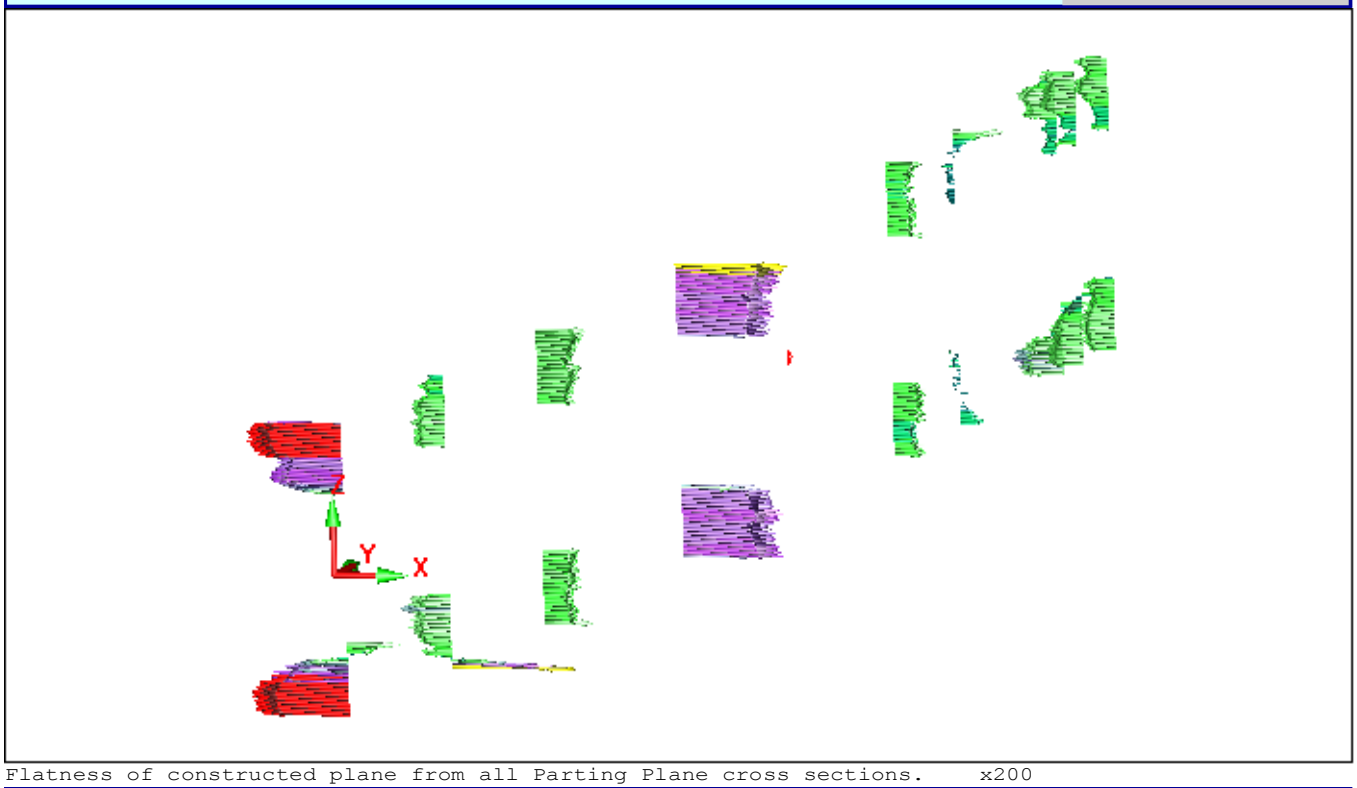
	MM	PROF180 - SCN_PP_P_9 FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.091	-0.046	-0.091	



Sample Number: MBH09k Cross Section #9 at 1007.849mm from RETURN END. x100
Alignment is: -Z- is Best Fit to : O.D. scans
for ENTIRE COIL -X- is Best Fit to : O.D. scans
x100 -Y- axis Rotation is Best Fit to : Parting Plane scans

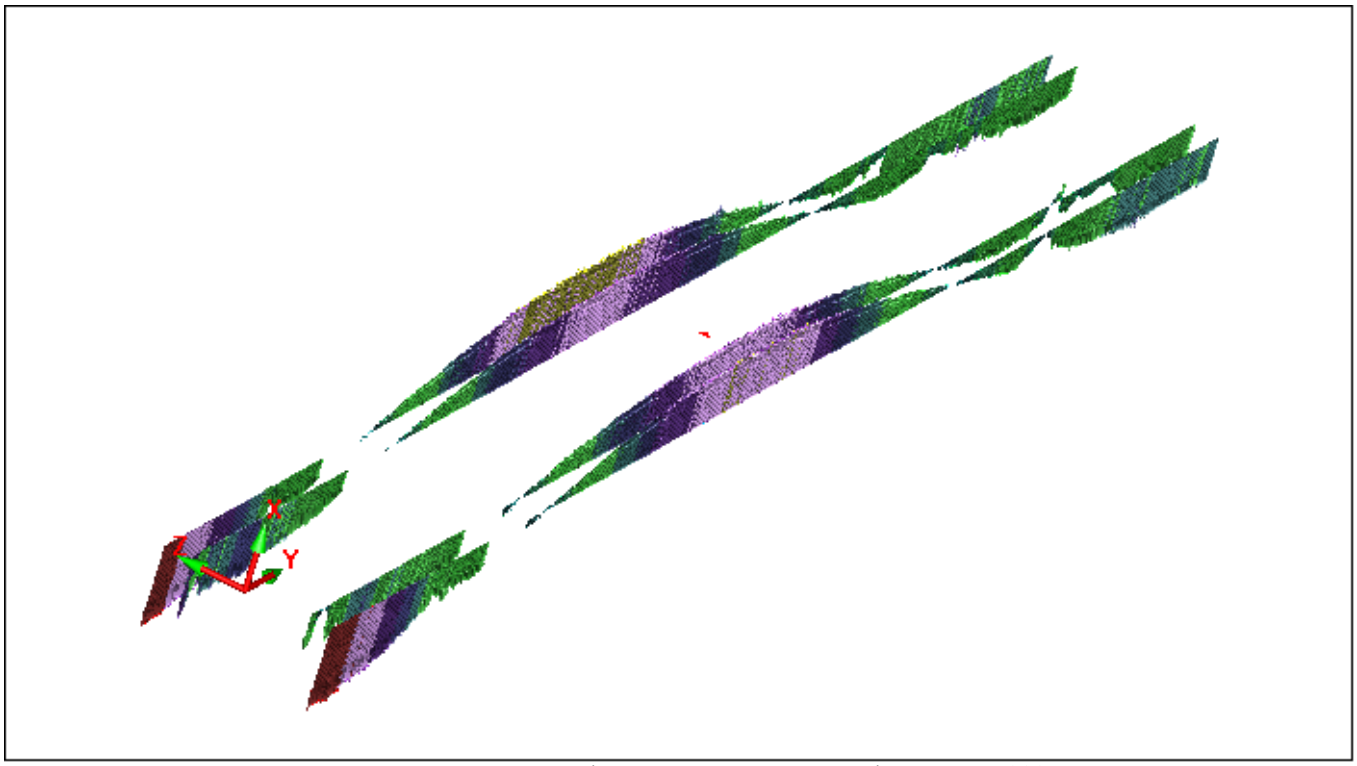
---------- PARTING PLANES ----------

	MM	FLAT1 - PLNC_PP_X			
AX	MEAS	+TOL	-TOL	OUTTOL	
M	0.497	0.400	0.000	0.097	



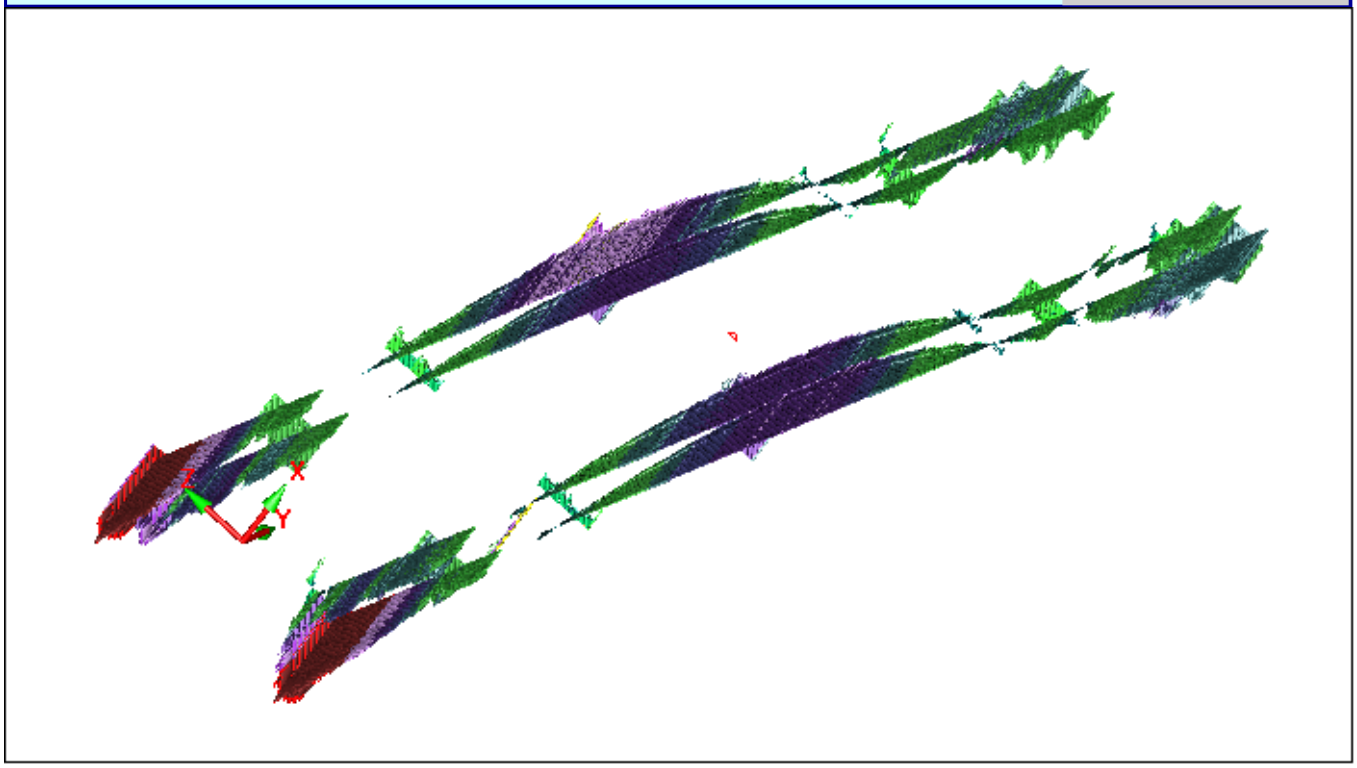
Flatness of constructed plane from all Parting Plane cross sections. x200

	MM	FLAT2 - PLNC_PP_LENGTH			
AX	MEAS	+TOL	-TOL	OUTTOL	
M	0.450	0.400	0.000	0.050	



Flatness of constructed plane from all Parting Plane length sections. x200

	MM	FLAT3 - PLNC_PP_ALL			
AX	MEAS	+TOL	-TOL	OUTTOL	
M	0.501	0.400	0.000	0.101	



Flatness of constructed plane from all Parting Plane cross & length sections. x200

	MM	PROF181 - SCNSET_PP_X FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.498	0.101	-0.397	

	MM	PROF182 - SCNSET_PP_LENGTH FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.465	0.105	-0.360	

	MM	PROF183 - SCNSET_PP_ALL FORMANDLOCATION		
AX	MEAS	MAX	MIN	
M	0.502	0.105	-0.397	

---------- WIDTH AT CROSS SECTION #1 at 12.778 ----------

↔	MM	DIST1 - HPTC_X_1P TO HPTC_X_1N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.283	-0.171	

---------- WIDTH AT CROSS SECTION #2 at 145.878 ----------

↔	MM	DIST2 - HPTC_X_2P TO HPTC_X_2N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.083	-0.371	

---------- WIDTH AT CROSS SECTION #3 at 266.633 ----------

↔	MM	DIST3 - HPTC_X_3P TO HPTC_X_3N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.222	-0.232	

---------- WIDTH AT CROSS SECTION #4 at 447.335 ----------

↔	MM	DIST4 - HPTC_X_4P TO HPTC_X_4N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.154	-0.300	

---------- WIDTH AT CROSS SECTION #5 at 721.06 ----------

↔	MM	DIST5 - HPTC_X_5P TO HPTC_X_5N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.114	-0.340	

---------- WIDTH AT CROSS SECTION #6 at 807.381 ----------

↔	MM	DIST6 - HPTC_X_6P TO HPTC_X_6N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.241	-0.213	

---------- WIDTH AT CROSS SECTION #7 at 940.403 ----------

↔	MM	DIST7 - HPTC_X_7P TO HPTC_X_7N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.292	-0.162	

---------- WIDTH AT CROSS SECTION #8 at 966.03 ----------

↔	MM	DIST8 - HPTC_X_8P TO HPTC_X_8N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.291	-0.163	

---------- WIDTH AT CROSS SECTION #9 at 1007.849 ----------

↔	MM	DIST9 - HPTC_X_9P TO HPTC_X_9N (ZAXIS)		
AX	NOMINAL	MEAS	DEV	
M	121.454	121.292	-0.162	