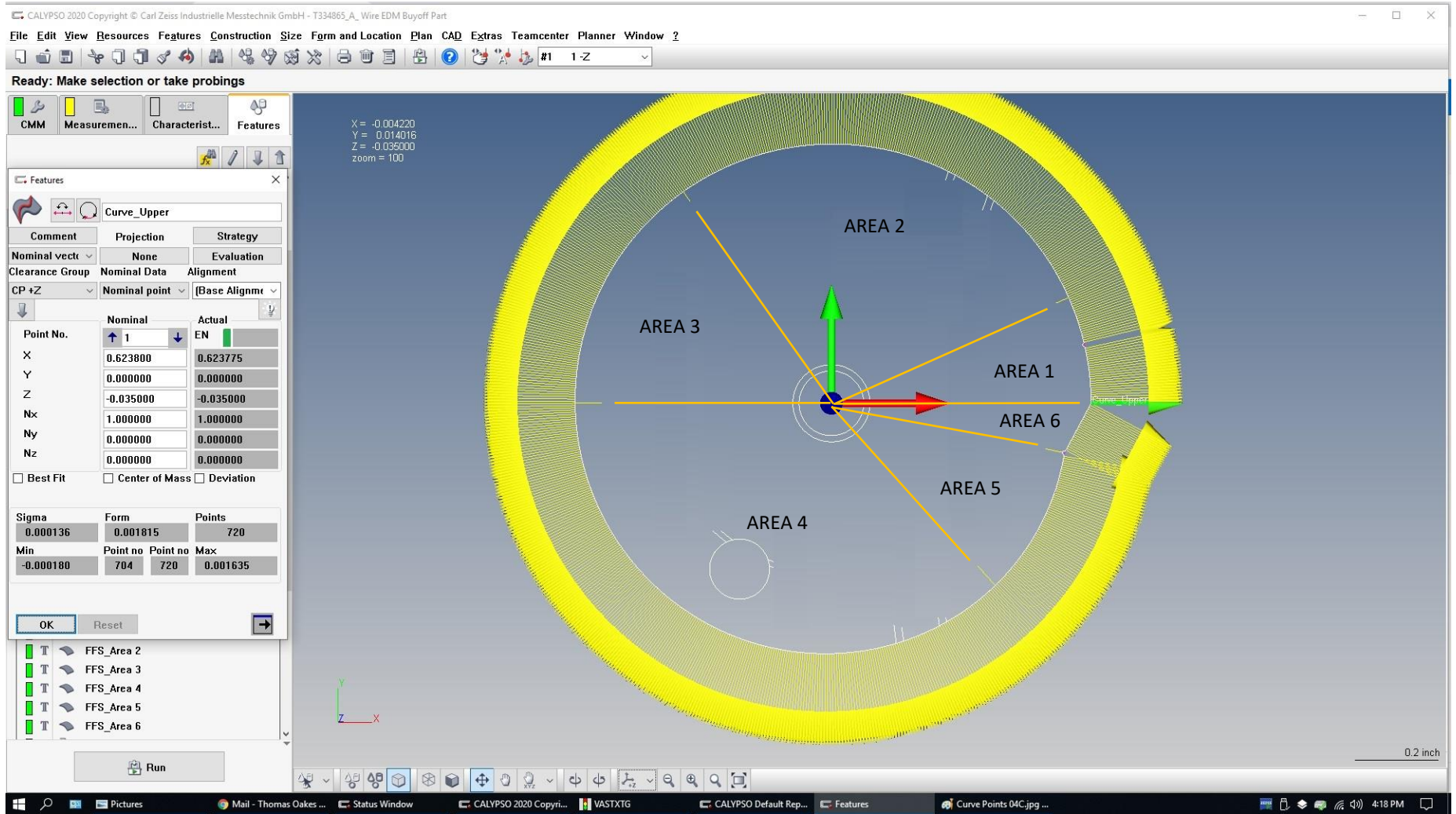
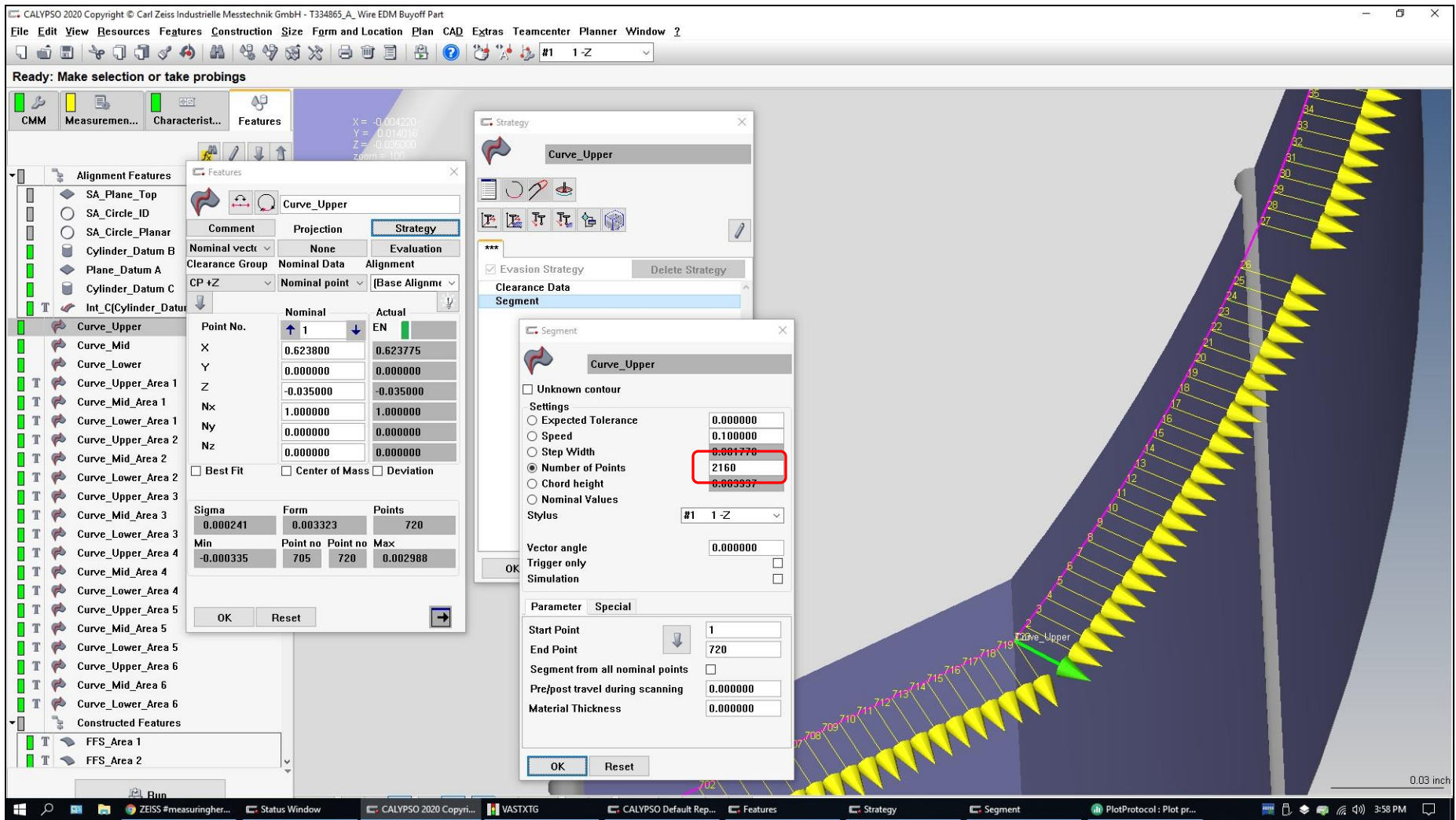


1 of 3 Curves around cam part, each consisting of 720 points.

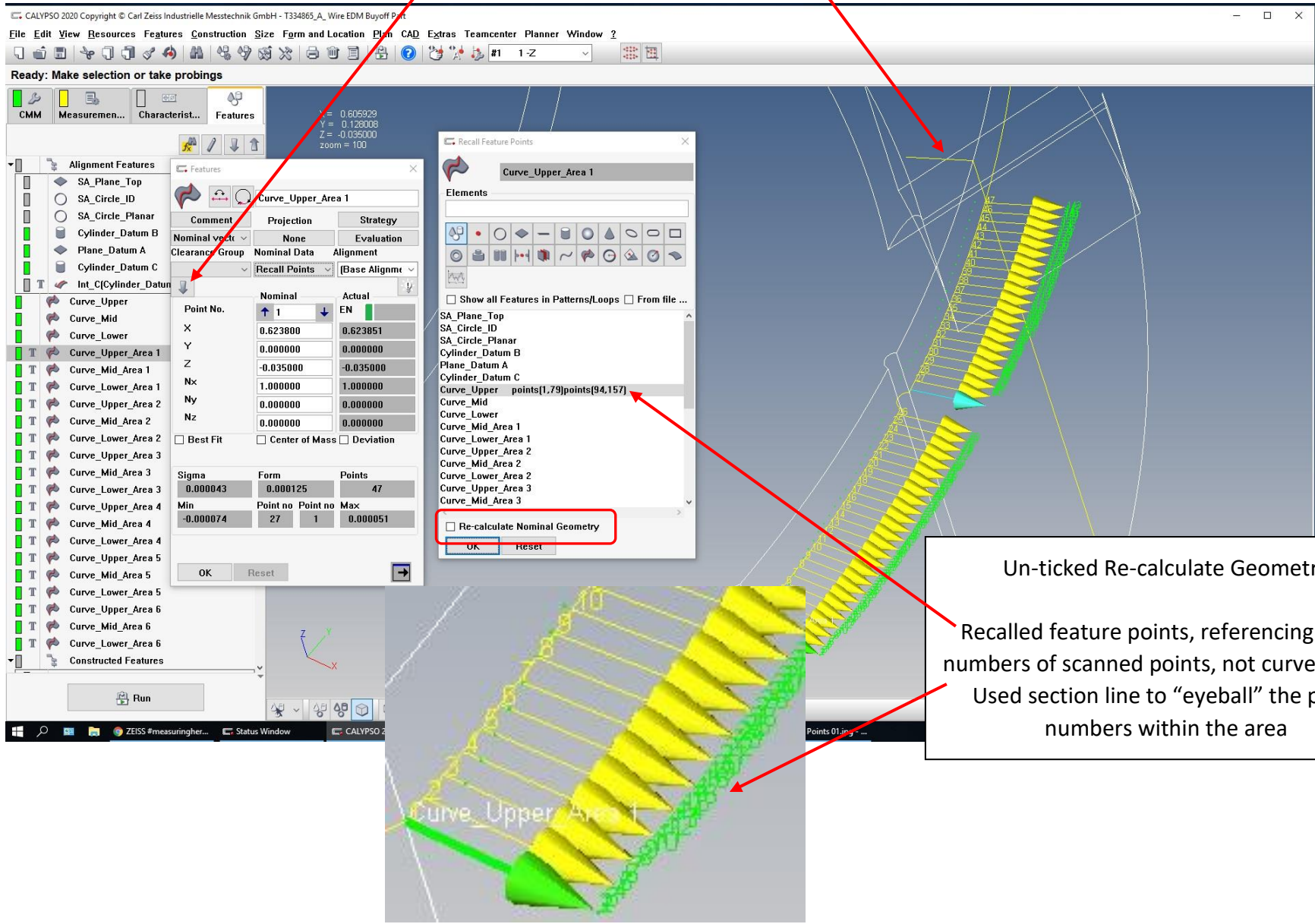
Profile tolerances broken into different areas.



Increased the scanned points to 3 times the number of curve points



Created copy of original curve.  
Deleted all points outside of angled area,  
depicted with section line.



Un-ticked Re-calculate Geometry  
Recalled feature points, referencing point  
numbers of scanned points, not curve points.  
Used section line to "eyeball" the point  
numbers within the area

Alignment Features

- SA\_Plane\_Top
- SA\_Circle\_ID
- SA\_Circle\_Planar
- Cylinder\_Datum B
- Plane\_Datum A
- Cylinder\_Datum C
- Int\_Cylinder\_Datum

Curve Upper

- Curve\_Mid
- Curve\_Lower
- Curve\_Upper\_Area 1
- Curve\_Mid\_Area 1
- Curve\_Lower\_Area 1
- Curve\_Upper\_Area 2
- Curve\_Mid\_Area 2
- Curve\_Lower\_Area 2
- Curve\_Upper\_Area 3
- Curve\_Mid\_Area 3
- Curve\_Lower\_Area 3
- Curve\_Upper\_Area 4
- Curve\_Mid\_Area 4
- Curve\_Lower\_Area 4
- Curve\_Upper\_Area 5
- Curve\_Mid\_Area 5
- Curve\_Lower\_Area 5
- Curve\_Upper\_Area 6
- Curve\_Mid\_Area 6
- Curve\_Lower\_Area 6

Constructed Features

Curve\_Upper\_Area 1

Point No.	Nominal	Actual
X	0.623800	0.623851
Y	0.000000	0.000000
Z	-0.035000	-0.035000
Nx	1.000000	1.000000
Ny	0.000000	0.000000
Nz	0.000000	0.000000

Best Fit

Offset

Sigma	Form	Points
0.000043	0.000125	47

Min	Point no	Point no	Max
-0.000074	27	1	0.000051

Evaluation... - Curve\_Upper\_Area 1

Standard Extended Spe

Best Fit

Alignment

Filter/Outlier

Filter

Gauss, Low-pass

Lc: 2.5 mm

Limit evaluation

Nom. Vector Direction

[ 27 ]

Max Search Distance

for distance evaluation

Offset

Offset

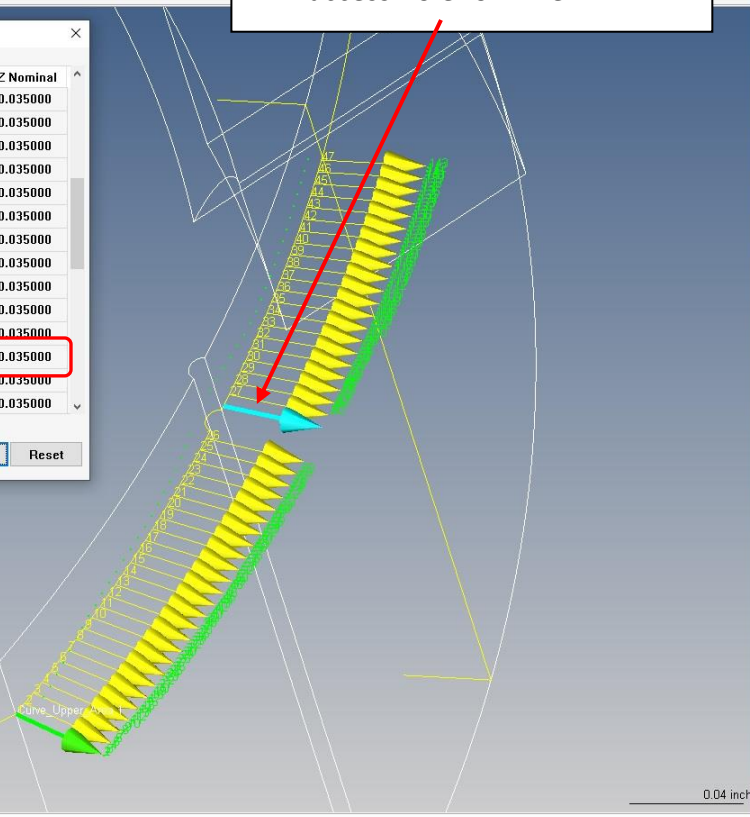
OK Cancel Apply

The selected points are not calculated

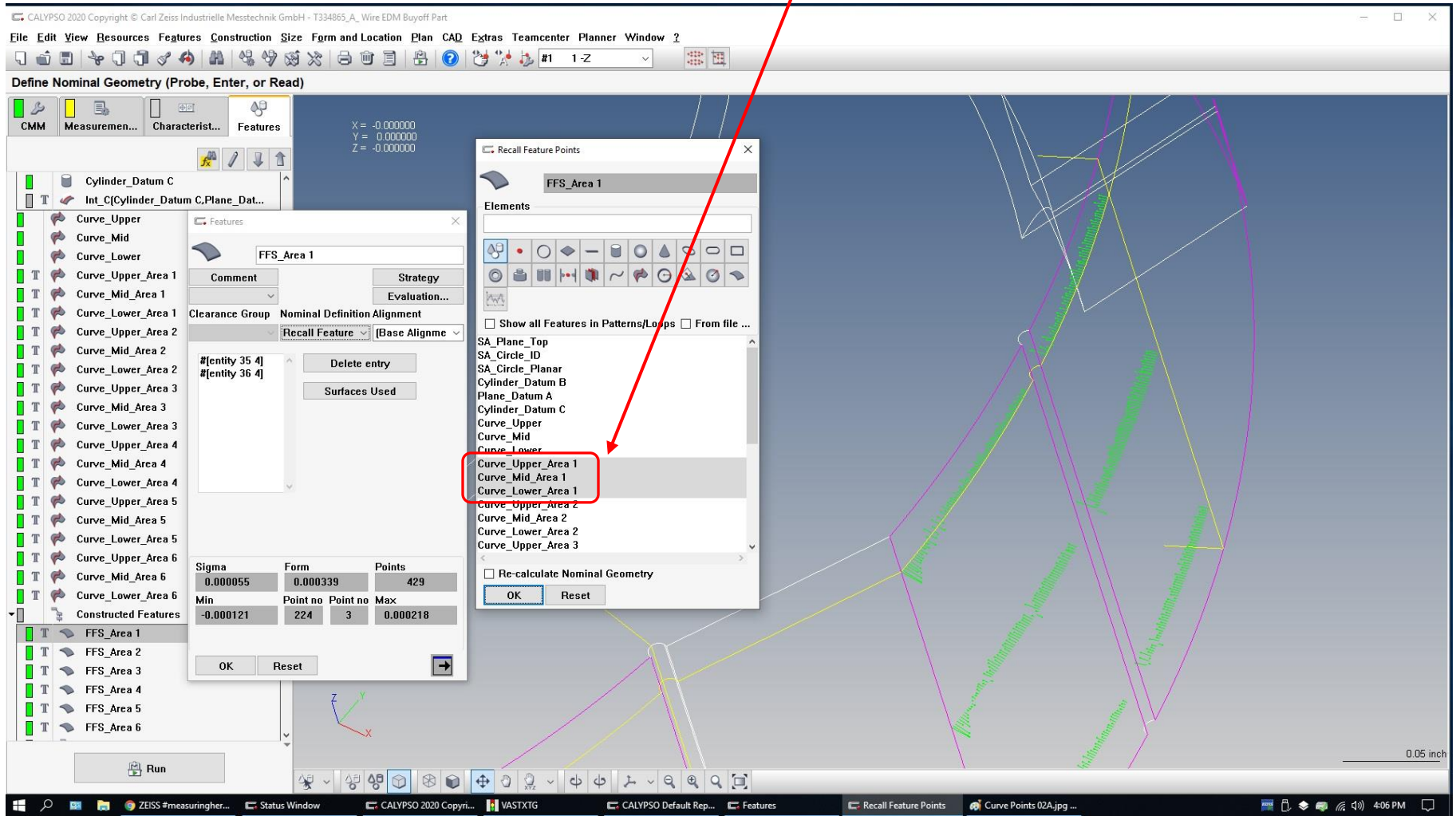
P-No	X Nominal	Y Nominal	Z Nominal
16	0.618705	0.079585	-0.035000
17	0.618000	0.084859	-0.035000
18	0.617256	0.090126	-0.035000
19	0.616465	0.095387	-0.035000
20	0.615630	0.100641	-0.035000
21	0.614748	0.105888	-0.035000
22	0.613823	0.111127	-0.035000
23	0.612850	0.116358	-0.035000
24	0.611839	0.121580	-0.035000
25	0.610780	0.126794	-0.035000
26	0.609673	0.131998	-0.035000
27	0.606319	0.146637	-0.035000
28	0.605047	0.151803	-0.035000
29	0.603732	0.156957	-0.035000

OK Reset

Limited Evaluation of point near access hole for wire EDM

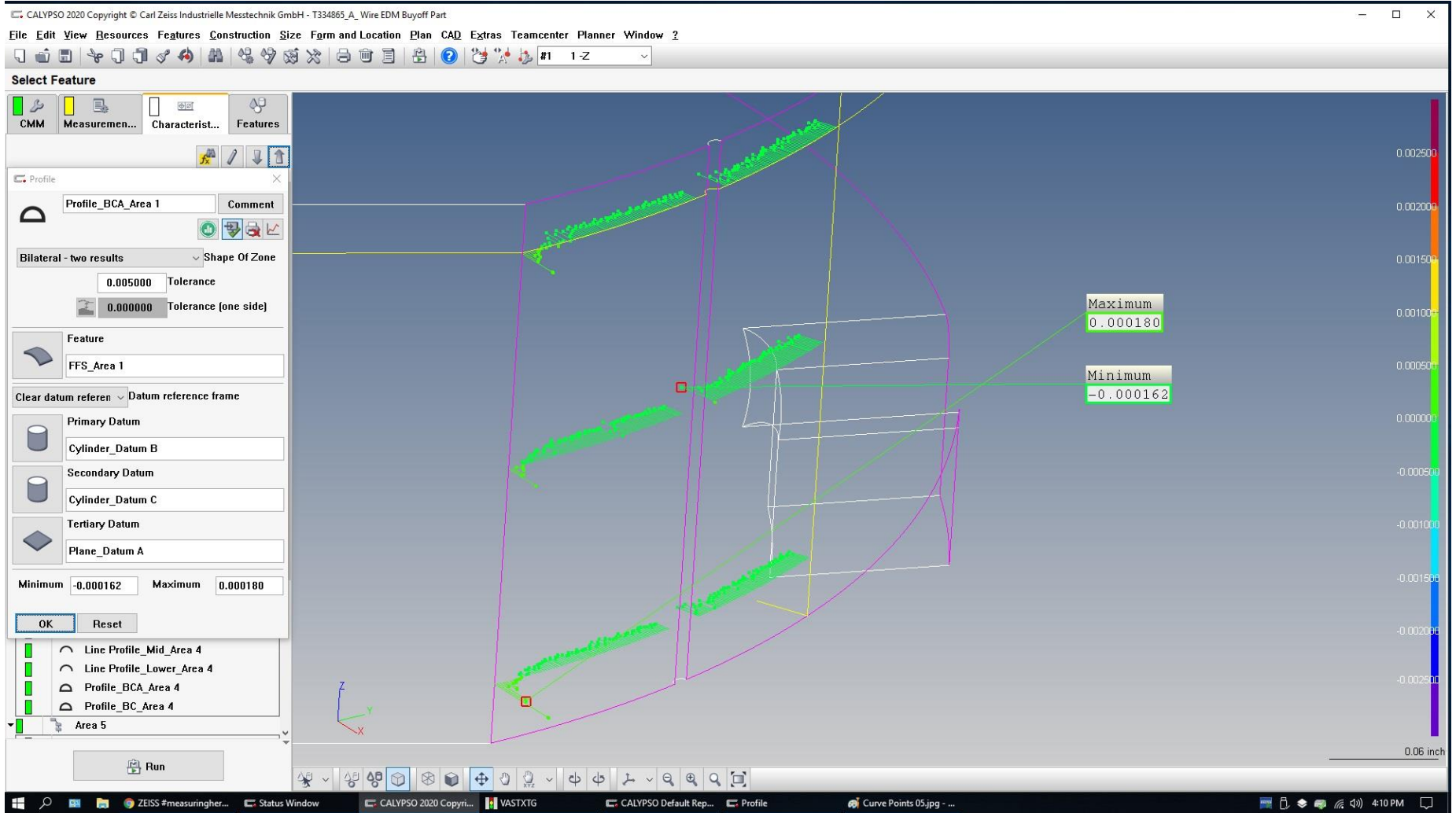


Created Free Form Surface for Area.  
Re-called Feature Points from 3 Curves.





.005" Surface Profile to BCA



.0006" Surface Profile to BC

