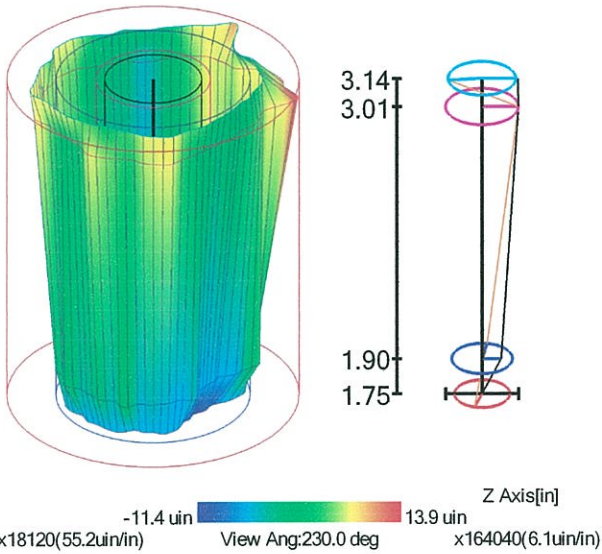


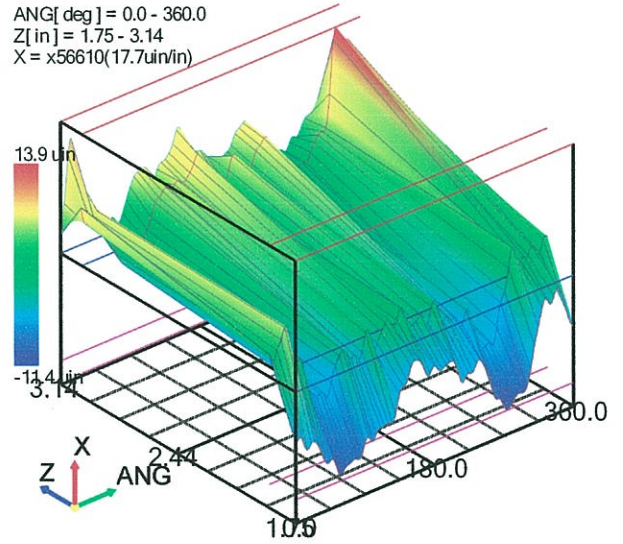
# EXPRESS GRINDING, INC.

Cylindricity<Cyl\_1> : 25.285uin



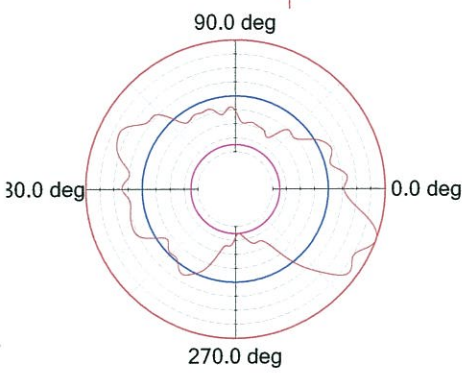
Cylindricity<Cyl\_1> : 25.285uin

ANG[ deg ] = 0.0 - 360.0  
Z[in] = 1.75 - 3.14  
X = x56610(17.7uin/in)



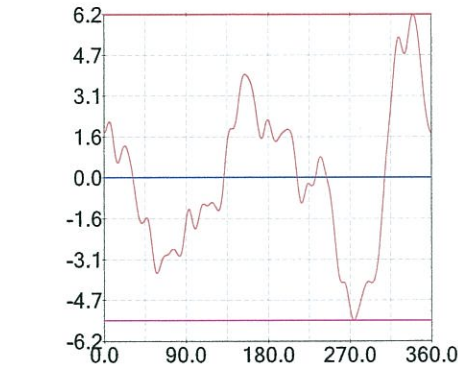
Analysis Content	Cylindricity						
Cylindricity<Cyl_1>	25.285uin						
Calc Method	LSC						
Each Element Content	Roundness	DX	DY				
RDElem_5	11.638uin	-0.727uin	-0.487uin				
RDElem_6	9.959uin	0.730uin	0.622uin				
RDElem_7	14.500uin	0.882uin	-0.741uin				
RDElem_8	12.126uin	-0.885uin	0.605uin				
Evaluation Element	Measure Element	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Length
(REF)RDElem_5	Rotate-OuterRD_1	Gaussian-50%Low[15 UPR]	1.75 in	--	0.00 in	OFF	--
(REF)RDElem_6	Rotate-OuterRD_2	Gaussian-50%Low[15 UPR]	1.90 in	--	0.00 in	OFF	--
(REF)RDElem_7	Rotate-OuterRD_3	Gaussian-50%Low[15 UPR]	3.01 in	--	0.00 in	OFF	--
(REF)RDElem_8	Rotate-OuterRD_4	Gaussian-50%Low[15 UPR]	3.14 in	--	0.00 in	OFF	--

Roundness<Round\_1> : 11.638uin



x49160(20.3uin/in)

Roundness<Round\_1> : 11.638uin

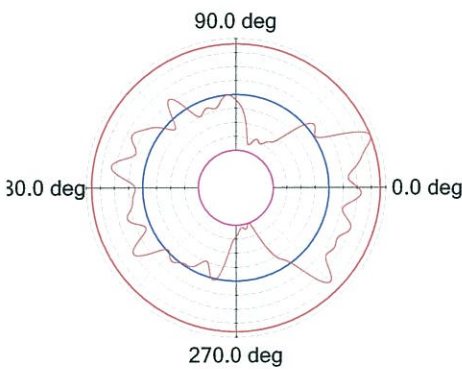


V Axis[uin]  
x136560(7.3uin/in)

H Axis[deg]

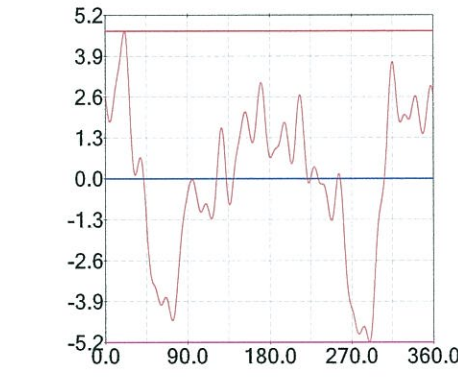
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Val
○ Roundness<Round_1>	11.638uin	6.055uin	21.820uin	22.645uin	74.49deg	6.216uin	-5.42
Calc Method	LSC						
Evaluation Element	Measure Element	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Len
☒ RDElem_1	Rotate-OuterRD_1	Gaussian-50%Low[15 UPR]	1.75 in	--	0.00 in	OFF	

Roundness<Round\_2> : 9.959uin



x58340(17.1uin/in)

Roundness<Round\_2> : 9.959uin

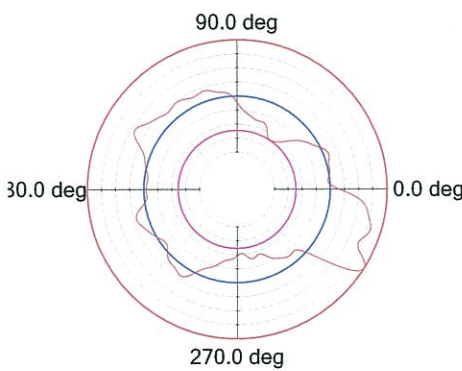


V Axis[uin]  
x162070(6.2uin/in)

H Axis[deg]

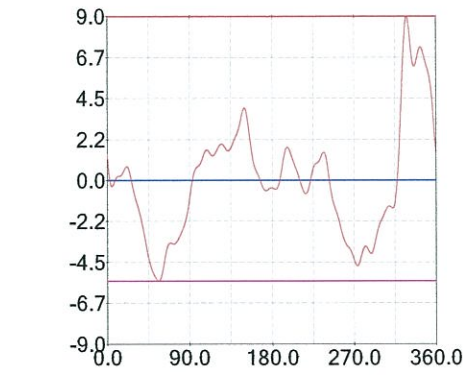
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Val
○ Roundness<Round_2>	9.959uin	4.556uin	24.375uin	24.798uin	79.41deg	4.721uin	-5.23
Calc Method	LSC						
Evaluation Element	Measure Element	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Len
☒ RDElem_2	Rotate-OuterRD_2	Gaussian-50%Low[15 UPR]	1.90 in	--	0.00 in	OFF	

Roundness<Round\_3> : 14.500uin



x34020(29.4uin/in)

Roundness<Round\_3> : 14.500uin



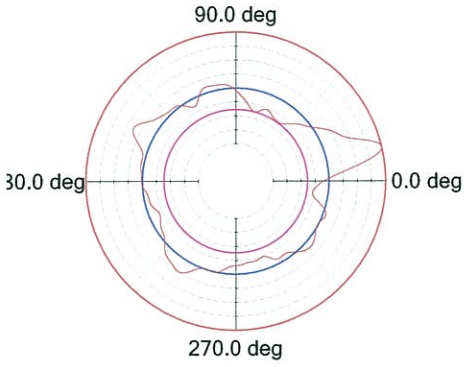
V Axis[uin]  
x94490(10.6uin/in)

H Axis[deg]



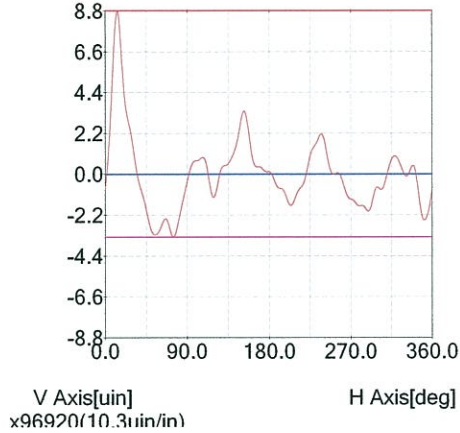
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Ve
○ Roundness<Round_3>	14.500uin	-16.536uin	33.404uin	37.272uin	116.34deg	8.984uin	-5.51i
Calc Method	LSC						
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Ler
☒ RDElem_3	Rotate-OuterRD_3	Gaussian-50%Low[15 UPR]	3.01 in	--	0.00 in	OFF	

Roundness<Round\_4> : 12.126uin



x34890(28.7uin/in)

Roundness<Round\_4> : 12.126uin



Analysis Content	Roundness	DX	DY	DL	DA	Peak	Ve
○ Roundness<Round_4>	12.126uin	-20.683uin	35.914uin	41.444uin	119.94deg	8.759uin	-3.36i
Calc Method	LSC						
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Ler
☒ RDElem_4	Rotate-OuterRD_4	Gaussian-50%Low[15 UPR]	3.14 in	--	0.00 in	OFF	