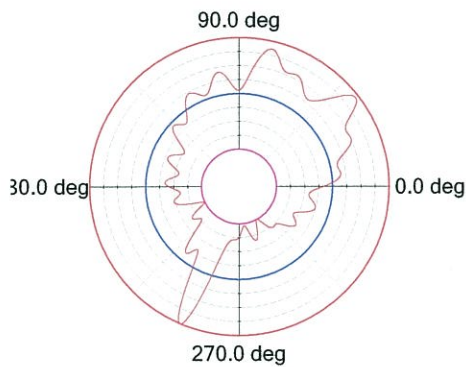


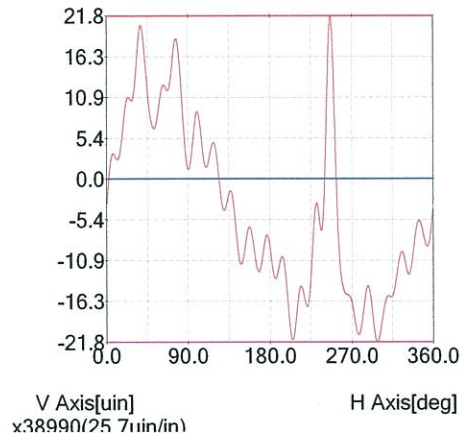
EXPRESS GRINDING, INC.

Runout(Radial)<Run_1> : 43.550uin



x14030(71.3uin/in)

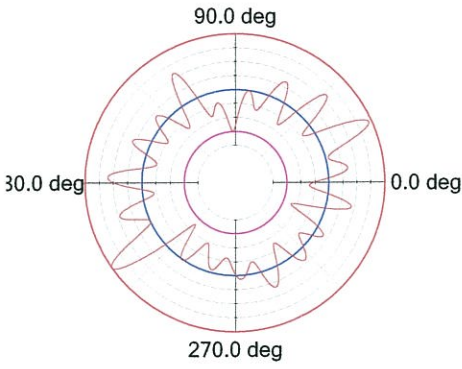
Runout(Radial)<Run_1> : 43.550uin



x38990/257uin/in)

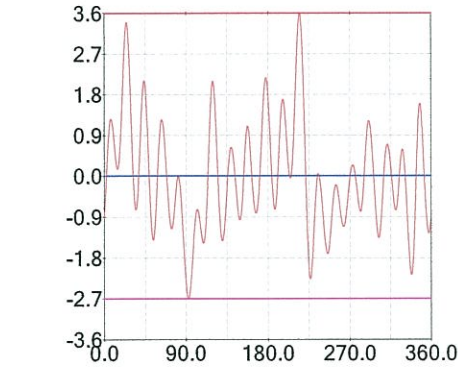
Analysis Content	Runout(Radial)							
Runout(Radial)<Run_1>	43.550uin							
Calculation Method(Datum):	LSC							
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Leng	
RDElem_8	Rotate-OuterRD_3	Gaussian-50%Low[15 UPR]	2.27 in	--	0.00 in	OFF		
Datum Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Leng	
RDElem_6	Rotate-OuterRD_1	Gaussian-50%Low[15 UPR]	1.78 in	--	0.00 in	OFF		
RDElem_7	Rotate-OuterRD_2	Gaussian-50%Low[15 UPR]	1.96 in	--	0.00 in	OFF		
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Valle	
Roundness<Round_1>	6.244uin	138.839uin	-2.647uin	138.864uin	358.91deg	3.569uin	-2.674u	
Calc Method	LSC							
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Leng	
RDElem_1	Rotate-OuterRD_1	Gaussian-50%Low[15 UPR]	1.78 in	--	0.00 in	OFF		
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Valle	
Roundness<Round_2>	40.836uin	143.877uin	0.322uin	143.878uin	0.13deg	32.904uin	-7.933ui	
Calc Method	LSC							
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Leng	
RDElem_2	Rotate-OuterRD_2	Gaussian-50%Low[15 UPR]	1.96 in	--	0.00 in	OFF		
Analysis Content	Roundness	DX	DY	DL	DA	Peak	Valle	
Roundness<Round_3>	47.827uin	156.966uin	16.342uin	157.815uin	5.94deg	37.447uin	-10.381ui	
Calc Method	LSC							
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Leng	
RDElem_3	Rotate-OuterRD_3	Gaussian-50%Low[15 UPR]	2.27 in	--	0.00 in	OFF		

Roundness<Round_1> : 6.244uin



x85620(11.7uin/in)

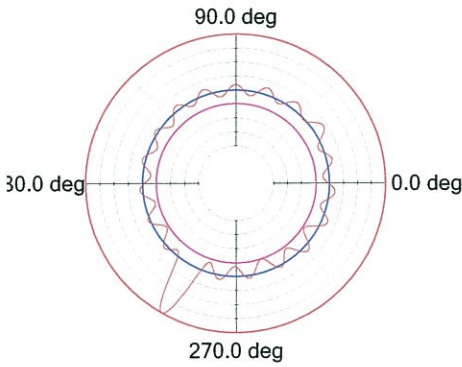
Roundness<Round_1> : 6.244uin



V Axis[uin] x237850(4.2uin/in) H Axis[deg]

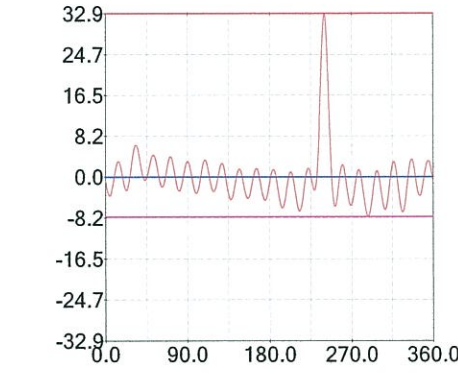
Analysis Content	Roundness	DX	DY	DL	DA	Peak	V
○ Roundness<Round_1>	6.244uin	138.839uin	-2.647uin	138.864uin	358.91deg	3.569uin	-2.67
Calc Method	LSC						
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Le
☒ RDElem_1	Rotate-OuterRD_1	Gaussian-50%Low[15 UPR]	1.78 in	--	0.00 in	OFF	

Roundness<Round_2> : 40.836uin



x9290(107.7uin/in)

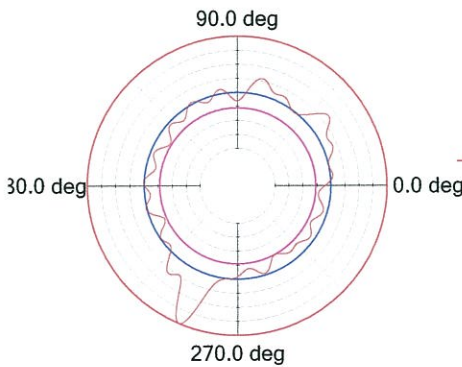
Roundness<Round_2> : 40.836uin



V Axis[uin] x25800(38.8uin/in) H Axis[deg]

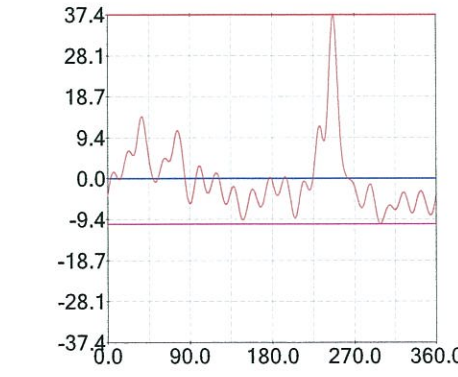
Analysis Content	Roundness	DX	DY	DL	DA	Peak	V
○ Roundness<Round_2>	40.836uin	143.877uin	0.322uin	143.878uin	0.13deg	32.904uin	-7.93
Calc Method	LSC						
Evaluation Element	Measure Element.	Filter Setting	Measure Position	Angle Pos	Escape Value	Part. Circle Meas.	Measure Le
☒ RDElem_2	Rotate-OuterRD_2	Gaussian-50%Low[15 UPR]	1.96 in	--	0.00 in	OFF	

Roundness<Round_3> : 47.827uin



x8160(122.5uin/in)

Roundness<Round_3> : 47.827uin



V Axis[uin] x22670(44.1uin/in) H Axis[deg]