Technician	Cell#	
Serial Number	Date	
Model		
Applications Part Geometry Checklist		
Workholding		
Verify the workholding is secured to the machine table.		
Verify the part is being held securely in the workholding.		
Tooling		
Verify the tool holder is using the correct pull stud or HSK clamp force is correct.		
Verify the pull stud is tightened to the correct specifications.		
Verify the correct tooling is being used for the material.		
Verify the shortest cutting tool possible is being used.		
Verify that the shortest tool holder possible is being used.		
Verify the runout of the tool and tool holder are with in tolerance.		
Coolant		
Verify the coolant ratio is within the coolant manufactures suggested range using a refractometer	r.	
<b>).</b> Verify the tool is getting enough coolant flow when machining a part.		
1. Verify there is no chip buildup in front of the tool path, especially when pocketing.		
Machining		
2. Verify the rotary axis brakes are applied during 3 axis machining.		
<b>3.</b> Verify manufacture suggested feeds and speeds are being used for the tool.		
<b>4.</b> Use lighter cuts if the machine is chattering or noisy during a cut.		
<b>5.</b> Take a rough and light finish pass when holding tight tolerances or trying to get a good surface nish.		
6. Verify a dynamic tool path is used to avoid heavy chip loads in sharp corners.		
Thermal Growth Checklist		
7. Is the part error consistent throughout the day? If so continue to Machine Geometry section. If the	he	
art error changes throughout the day, continue the Thermal Growth test procedure.	Yes	No
8. Verify the Ball screw and Axis Lubrication systems are functioning correctly.		
9. Verify the Spindle fan and Spindle Lubrication systems are functioning correctly.		
0. Verify the Spindle Chiller is operating correctly.		
1. What is the maximum and minimum shop temperature throughout the day?	Min:	Max:
2. Does a HVAC vent discharge near the machine?	Yes	No
3. Is the machine near a door way?	Yes	No
4. Verify the spindle and axis had adequate warmup time before machining parts.		
Machine Geometry and MRZP test cut		
5. Verify an Error Report and Backup have been attached to the machine history.		
6. Verify the machine passes the inspection report.		
	Yes	No
<ol><li>Redo test cut. Did part geometry improve?</li></ol>		No

Attach this report, an error report, and any relevent documentation to a service notification in the Haas Service App.