

SELF - ASSESSMENT GUIDE

Qualification:	MACHINING NC III		
Project :	SHAFT WITH HELICAL GEAR		
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answer. 			
Can I?	YES	NO	
• Determine job requirement (A written work plan listing the operation is required)			
• Perform bench work			
• Perform turning operation			
○ Turn diameters using steady rest			
○ Turn eccentric diameters			
○ Perform deep hole drilling and boring			
○ Turn internal shape and surface (cylinder, chamfer, groove, radii)			
○ Turn internal tapers			
○ Cut internal threads: square, ACME, and multi-start			
○ Bore hole on stationary workpiece			
○ Part off			
• Perform milling operation			
○ Mill helical gears			
○ Mill bevel gears			
○ Mill ratchet ,gears, sprockets using differential indexing			
○ Perform spiral milling			
○ Mills feature from established locations			

• Check / Measure workpiece Using limit gages; comparators; Gage block; Gear tooth vernier caliper; micrometers; Balls; Precision rollers		
• Perform grinding operation		
○ Select grinding wheels and accessories		
○ Grinding parallel and square surfaces		
○ Grinding to an angle surface		
○ Grinding to radii		
○ Grinding to cut off parts		
• Measures dimensions		
• Check surface texture		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name & signature:		Date: