

Written Assessment Guide
For
“Dies & Mould
Technology”

Level 4
Perform Electric Discharge Machining (EDM)
Sinker Operations

1st -5th March 2021



National Vocational & Technical
Training Commission

Title of Qualification: National Vocational Certificate Level 4, (Dies and Mould Technology) "CAD/CAM Supervisor"	CS Code:	Level:4	Version:
Competency Standard Title: Perform Electric Discharge Machining (EDM) Sinker Operations	Assessment Date (DD/MM/YY): Assessment Time: 30 min		

Guidance for Candidate	To complete your assessment for this Competency Standard, you need to answer the questions on the following pages successfully.
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Assessors Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number: Candidate Signature:.....
Written Assessment Outcome	COMPETENT ☐ NOT YET COMPETENT ☐ Name of the Assessor: Assessor's code: Signature of the Assessor:.....

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WRITTEN ASSESSMENT

Question	Candidate's answer
1. EDM stands for?	A. Electric Discharge Machine.
2. How many axis are used in EDM?	A. 3 Axis (X, Y & Z)
3. Which coolant is used in EDM?	A. Kerosene Oil
4. What meant by ATC in EDM?	A. ATC is stand for "Automatic Tool Changer".
5. Why Model data is used in programming of EDM?	A. "Model Data" are feed according to "Job and Electrode Size".
6. Electrode is used in?	A. EDM sinker operation
7. Enlist the ways to feed program in EDM?	A. 1. By Manual Input 2. By USB
8. Which type of job material can be cut on EDM?	A. All the material which are good conductor of Electricity.

Question	Candidate's answer
9. EDM Sinker process is used in?	A. Production of Dies & Molds
10. Enlist any four advantages of EDM?	A. 1. Thin walls are possible. 2. Cut internal corners with very small radii. 3. Cut thin slots in extrusion dies with wire EDM. 4. Produce blind and high aspect ratio pockets with sinking EDM. 5. Produce non-round openings and cavities.