



## INTRODUCTION TO ELECTRICAL DISCHARGE MACHINING (EDM)

### COURSE OVERVIEW

EDM stands for electrical discharge machining. It is a non-traditional method of machining that uses sparks to remove metal. EDM operations commonly take place on wire EDMs and sinker EDMs. EDM offers unique metal removal options.

This course introduces the process, components and machines of electrical discharge machining. The content is for individuals who need to understand the equipment and conditions that make EDM possible. Content ranges from discussion of the basic components to maximizing an EDM operation for the experienced user.

### WHO SHOULD ATTEND

1. Anyone with general technical knowledge.
2. Working in a technical environment.
3. Technicians, Supervisors, Charge men, Foremen and Engineers who wish to enhance their knowledge in the operation of control system.

### COURSE OUTLINE

- Objectives
- What is EDM?
- Metal Cutting vs. EDM
- Advantages of EDM
- Disadvantages of EDM
- Steps of the EDM Process
- How EDM Cuts Metal
- EDM Components
- Sinker EDMs
- Wire EDMs
- Types of Electrode Materials
- Types of Dielectric Fluids
- Flushing Methods
- EDM Applications
- Advances in EDM
- Summary

### TRAINER

PESDC has a panel of professionally qualified, well-trained and industrially experienced technical trainers.

### COURSE FEE (TECH-20)

**RM1,100.00 per pax (member)**  
**RM1,200.00 per pax (non-member)**  
*(Inclusive of course materials, lunch and refreshment)*

Certificate of Achievement will be awarded upon successful completion of the course.

*SBL  
claimable*

### COURSE DETAILS

**Duration : 3 days**

**Date :**

**Time : 9.00am to 5.00pm**

**Venue : PESDC Training Complex**

*For Further Enquiries, please contact:*

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