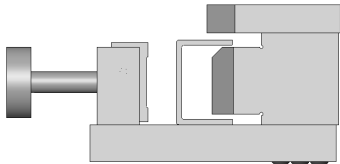


Introduction to Jigs & Fixtures Design

Venue : IME CADCAM TRAINING CENTRE SDN BHD (Petaling Jaya, Selangor)
Duration : 2 days
Time : 9am to 5pm



Objective:

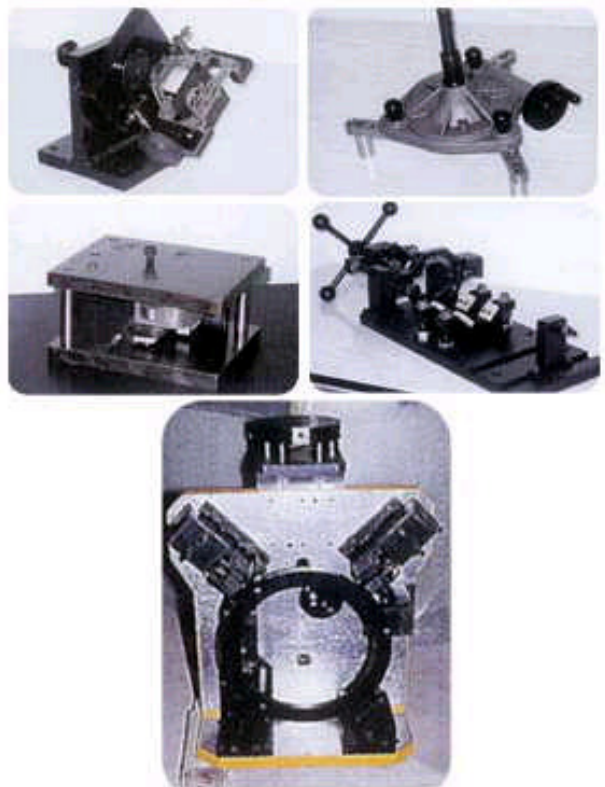
To provide tooling engineers with a theoretical fundamental knowledge in design jigs & fixtures. It provides basic knowledge in fixture design, Jig design keeping in mind the shape, size, function of the parts. General workflow for designing jigs & fixtures will be discussed in this course. The end of the course participants will have good design knowledge to apply on their nature of work.

Who Should Attend:

- Tool designers
- Design engineers
- Manufacturing Engineers

Topics

- Introduction
- Definition of Jig and Fixture
- Advantages
- Types of Jigs – Clamp Jig, - Box Jig, - Leaf Jig – Chanel Jig etc.,
- Types of Fixtures – Milling Fixture, - Turning Fixtures – Welding fixture – Inspection Fixture
- Design Factors in Fixture and Jig Design
- 6 Degrees of freedom
- Clamping the work piece
- Clamping Pressures
- Standard Components
- Standard exercise practice



Pre-requisites

- None. This course will mainly focus on theoretical fundamental knowledge.

Course Methodology:

- Theory and practical hands-on (sketching).

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