

INTERMEDIATE CNC MILLING MULTI-AXIS CONVERSATIONAL HEIDENHAIN

GMI
GERMAN-MALAYSIAN INSTITUTE
Training for Advanced Technology

COURSE OVERVIEW

This course is designed to provide participant with intermediate level of operating and programming on CNC 4 & 5 Axis Simultaneous Milling machine. Exposing to the complexity of some machine kinematic compensation concept over machine structure will help to understand the important of control systems in translating simultaneous movement with Plane Function. Focuses on developing different strategy of tilting working plane techniques using Plane Function with emphasis on the best selection of machining plane in cycles, tooling application and safety when working with CNC 4 & 5 Axis Simultaneous Milling Machine.

COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Comprehensively explain and apply the working concept and technology behind the CNC Multi-Axis in programming.
- Employ various cutting technique available in 4 & 5 Axis machining with safest practice.
- Develop different tilting strategy by manipulating Plane Function mode.
- Execute actual machining with emphasis on simultaneous cutting movement.

THE UNIQUENESS OF THIS COURSE

- Practical training on simulation and actual cutting at CNC 4 & 5 Axis Simultaneous Milling Machine.
- Experienced and Certified trainers.

WHO SHOULD ATTEND

This course is designed to those who are related to the manufacturing and tooling design industry.

Target Group: Tooling designer, Production engineers, Tooling engineers, Mould maker, CNC's technicians and technical trainers.

KEY TOPICS

- Machine Kinematic, Structure & Control Systems.
- Programming with Plane Function
- Inclined Tool Machining in Tilted Plane Strategy
- Tool Center Point Management

METHODOLOGY

Consist of practical activity with Heidenhain software and CNC Multi-Axis machine, lessons delivery is via demonstration, practical and discussions.

COURSE DURATION

3 Days.

PRE-REQUISITE

Participants should have basic in CNC Multi-Axis machining and programming.

CERTIFICATION

Certificate of attendance will be issued to those who fulfill 80% of attendance.

Minimum Participant: 6

For further details, please contact:

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