Manufacturing Technology Training
An IMTMA initiative

Servo Technology - The Future of Industrial Motion Control
Date : 4 to 5 March, 2025
Venue : IMTMA Technology Centre, Bengaluru

INTRODUCTION

Servo Technology has been conventionally been a part of CNC Machines. But with development of General Purpose Servos, now this technology is spreading very rapidly and is used widely in various applications of Motion Control across many kinds of Industrial Machinery. Servo is fast replacing conventional motion systems like Oil Hydraulic / VFD controlled Motors / Pneumatic etc. due to its highly intelligent features and total programmability. This Program gives an overview of Servo Motors technology, in usage of Motion Control in Industrial Machines and Applications. This program will cover major aspects of Servo Technology and general purpose Servos.

Keeping this is mind, Indian Machine Tool Manufacturers' Association is conducting a training program on **Servo Technology - The Future of Industrial Motion Control.**

FOCUS AREAS

- Requirement of servo motion in automated controls
- Torque speed characteristics
- Servo control system
- Servo System Parts
- Specifications of Servo
- Types of Motions - Position Mode / Speed Mode / Torque Mode
- Sizing of servo for specific applications
- Homing concepts of last motion
- Macro Level understanding of Servo Sizing, including "Load" for different applications
- Comparison of general purpose servo and CNC servo
- Some Intelligent Applications

KEY TAKE AWAYS

- Macro Level Understanding of Servo Technology
- Role of Servo Technology in Today's intelligent and High Speed Motion Controls in Machines
- Know about usage of servo for motion control in Industrial machines
- Know about various application of Servo
- Demonstration on TIA (total integrated automation) portal on programming of servo system, communication with Profinet protocols, parameterization of servo drive, setting of soft limits of the servo drive, configuration of interrupt inputs to a servo drive, commissioning & diagnosis of servo drive, checking the system with physical servo drive

PARTICIPATION FEE

Rs. 10450/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 415/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company

FACULTY

This programme is conducted by **Mr. Anil Purohit.**

Mr Anil Purohit is an Electrical engineer with more than 40 years Industrial Experience in field of Machine Control Systems, Automation Products & Solutions, Machines & Test Rigs building, Intelligent and High Speed Motion Controls with Servo.

Presently he is working as Director at Leonardo Automation India Pvt Ltd and ETA Technology Pvt. Ltd. Bangalore.

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REGISTRATION : Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
Important Information : Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.