Manufacturing Technology Training
An IMTMA initiative

Servo Technology -The Future of Industrial Motion Control
Date : 18 to 19 April, 2023
Time : 1340 Hrs to 1700 Hrs (Online Mode)

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, IMTMA is conducting an online program on Servo technology for Industrial motion control.

FOCUS AREAS

- Motion Control Requirements
- Torque speed characteristics of Prime Movers and Loads
- Basic concept of Servo control
- Servo System Parts
- Types of Motions - Position Mode / Speed Mode / Torque Mode
- Motion Controllers
- Major Intelligent Features of Servo
- Homing concepts / Lost Motion
- Macro Level understanding of Servo Sizing, including "Load" for different applications
- Some Intelligent Applications
    - Comparison of General Purpose servo and CNC servo
    - Latest Trends / Technologies around Servo

KEY TAKE AWAYS

- Macro Level Understanding of Servo Technology
- Role of Servo Technology in Today's intelligent and High-Speed Motion Controls in Machines
- Macro Level understanding of Servo sizing calculations
- Comparison of Servo based motion over conventional other technology

FEE PER PARTICIPANT (PER LOGIN)

Rs. 5500/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 220/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 30% 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 with an online advance payment is must. Number of participants is limited and will be accepted on ‘First Come First Serve’ basis. A Certificate of participation will be issued to participants.