

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 in view, IMTMA is conducting an online program on Servo technology for 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

FEE PER PARTICIPANT (PER LOGIN)

Rs. 4500/-
+18% GST

**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 135/-
Overseas Participants

Group Concession : 20% 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 and Mr Anil Meti.**

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.

Mr. Anil Kumar Meti, a Mechanical engineer by profession, is working with IMTMA – Training, taking care of Industrial automation training. He comes with 8 years of professional experience and prior to IMTMA, worked in industries such as RR Steels and Hunet technology.

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