Manufacturing Technology Training
An IMTMA initiative

VFD and its Industry Applications
Date : 12 August, 2022
Time : 1340 Hrs to 1700 Hrs (Online Mode)

INTRODUCTION

The modern machines have a variety of control features in order to facilitate greater accuracy, safety, and productivity among all control features; in them the speed control plays a major role. To fulfil this need VFDs are used. A Variable Frequency Drive (VFD) is a type of motor controller that drives an electric motor by varying the frequency and voltage supplied to the electric motor. These days almost all industry sectors are using VFDs as a speed controlling device of Induction motors and there by the connected process.
To disseminate knowledge of VFD, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing webinar on “VFD and its Industry applications”.

FOCUS AREAS

- Concepts and Construction of VFD
- Modes of VFD speed control
- Selection and Implementation guidelines
- VFDs Industrial Applications
- Insight into the technology of Motor Speed Controls thro' VFD and energy saving

KEY TAKE AWAYS

- Understand how induction motor works
- Understand the Basic concepts of VFD
- Understand the construction of VFD
- Selecting Suitable VFD for their industrial application
- Selecting the suitable parameter for specific operation
- DOs and Don'ts with VFD system

FEE PER PARTICIPANT (PER LOGIN)

Rs. 3000/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 120/-
Overseas Participants

Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company

FACULTY

This program will be conducted by **Mr. B MURALIDHAR, Industry Expert**

He is an AMIE from Institute of Engineers and Industrial experience for 38 years in Design and Development of electrical/electronic controls for various machine tools at HMT Machine Tools ltd Bangalore. He started his career with the Design of Contactor logic for Cylindrical Grinding machines, Surface grinders, Gear shapers, SPMs, etc. With the evolution of PLCs, Changed contactor logic to PLCs and have used almost all Siemens PLCs available as on date on various machine tools including SSMs & SPMs. In 1985, CNC cylindrical Grinding machine was developed using the Primo S system. Subsequently, many CNC machines like Cylindrical Grinders, Surface grinders, Gear Hobbers, Gear Shappers, SPMs, etc., were developed using CNC systems like Sinumerik, Hinumerik (after HMT got collaboration from Siemens), Siemens 802D, Siemens 810D, Siemens 840D, Fanuc (MD & TD) systems, 828D, 840Dsl and Fanuc0i. Apart from above, Assembly co-ordination, Prove out and commissioning at customer's end were our responsibilities.

Also, he contributed to various developmental activities such as low-frequency converter for spindle orientation (PWM Technique) during the initial time, Pulse Generator for WEDM using IGBT and during 2019-20, developed, Servo Manipulator with Force and Weight feedback.

For Registration Contact
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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.