Manufacturing Technology Training
An IMTMA initiative

Enhancing Productivity in Grinding Operations
Date : 28 April 2022, 1340 to 1700 hrs. and 29 April 2022, 1310 to 1730 hrs.
Time : 1340 Hrs to 1730 Hrs (Online Mode)

INTRODUCTION

In any Manufacturing set up, Grinding is a Finishing Process that involves multiple parameters like work material with correct heat treatment, Process Parameters, selection of right grinding wheels, Machine requirement and Skill of the operator. The combined knowledge of all these aspects can aid in getting the best possible outcome where grinding is needed. Lastly, since it is a final and critical operation, any rejections at this stage would potentially involve high costs. This training program on Grinding Technology is specifically designed with the intention to impart a practical approach for grinding with appropriate industrial case studies.

Keeping this in view, Indian Machine Tool Manufacturers' Association (IMTMA) is organizing a 2-day program on **Enhancing Productivity in Grinding Operations**

FOCUS AREAS

- **Basic principle of Grinding**
- Classification of grinding Process
- **Types of Grinding machine**
- Grinding System
- **Economic Aspects of Grinding System**
- Influence of Work materials properties on finishing methods
- **Grinding Wheel Specification & Selection Process**
- Standard Recommendation of Grinding Wheels
- **A System Approach for use of Vitrified Bonded Super abrasive Wheels**
- Abrasive Tool Development (with case studies)
- **Right Mounting for Safe handling**
- Balancing of Grinding Wheels (Static & Dynamic Balancing)
- **Selection of Process Parameters in Precision Grinding**
- Super Finishing Process
- **Hard Turning Vs Grinding**
- **Industrial case studies in Cost reduction & Enhancing Productivity in Grinding Process**

KEY TAKE AWAYS

At the end of the program, the participant shall understand:

- **Grinding Principles**
- Criticality of different grinding process
- **Safety in grinding operations**
- Grinding process optimization with respect to Quality, Cost &Delivery
- **Enhancement of Productivity in Grinding process**

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

The program shall be delivered by **Mr. N Srinivas & Mr. V Madhu and Mr. Sanjay Nandan**

Mr. Srinivas is a Mechanical Engineer by qualification, with a post-diploma in Marketing & sales management, a Diploma in Statistical quality control, and a Six Sigma black belt. He carries more than 25 years of experience handling Technical engineering planning at Bosch and has deep expertise in grinding technology. In his professional career, he has been associated with Bosch for 28 years, which includes 3 years as Head of Process planning, UCAM Pvt ltd, Electronica Machines tools, and XNG Automation. He is currently associated with Siri Chartered engineers as Managing Partner providing Technical training solutions and HR Solutions.

Mr. V Madhu, is a Mechanical engineering professional, with over 25 years of experience in the manufacturing sector. He has handled Quality audits for over 5 years and has been a Technical trainer for 16 years at Bosch providing training on manufacturing operations, Hydraulics, Pneumatics, and machine maintenance. Besides he is a qualified HR professional with a stint in the HR function at Bosch.

Mr. Sanjay Nandan is a professional in the field of Grinding Technology, with a rich experience in Abrasives Machining. In his professional career, he has been associated with **Grindwell Norton – Saint Gobain**, as a Sr Application Engineer, working closely with leading Auto OEMs & their Ancillaries, Bearing Manufacturers, and Steel Industries by providing customized solutions for abrasives. With a strong understanding of Grinding Principles and expertise in the usage of digital tools such as Grinding Signature Analysis for grinding wheel behavior analysis, he works on **Cost Reduction Techniques** with a System Driven approach to solve industry-related problems by selecting appropriate grinding wheel specifications and associated set of machine parameters to deliver optimized grinding techniques for improved productivity and reduced grinding costs. He is a Graduate from PES University, Bangalore in Mechanical Engineering.

For Registration Contact
Digvijay Nath Pandey
Programme Coordinator
7349067391
digvijay@imtma.in
Preetham B M
9845648940
preetham@imtma.in

Contact Address
INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
Plot 249F, Phase IV, Udyog vihar,Sector - 18,
Gurgaon - 122015
Tata no- +91-124-6463101
Tel : 0124 4014101 - 04
Fax : +91-124-4014108

imtmatrainning.67038796@hdfcbank

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.