



## INTRODUCTION

In any Manufacturing set up Grinding is a Finishing Process which involves multiple parameters like work material with correct heat treatment, Process Parameters, selection of right grinding wheels, Machine requirement and Skill of the operator. A combined knowledge of these aspects can aid in getting the best possible outcome where grinding is needed. Lastly, since it is a final and a critical operation, any rejections at this stage involves high costs. This training program on Grinding Technology is 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 organising a 2 day programme on **Grinding Technology to Enhance Productivity**.

## 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 & 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 Technial training solutions and HR Solutions.

**Mr. V Madhu**, is a Mechanical engineering professional, with over 25 years experience in the manufacturing sector. He has handled Quality audit 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

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