

## INTRODUCTION

Surface finishing of components with extremely tight tolerance requirements require methods beyond just grinding. In order to make such parts, there are finer finishing Techniques such as Cylindrical Honing, Flat Honing, Lapping and Superfinishing, wherein these methods smooth the outer surface of a metal and refine the geometry to be able to produce precision components, which have many specific applications. But being niche processes, there is a general lack of awareness about these processes.

This program shall present a holistic overview of Finishing Technologies, Processes, Equipment, Performance and typical applications.

Keeping this in mind, Indian Machine Tool Manufacturers' Association (IMTMA) is organising a 2 day online programme on Honing, Lapping, Polishing and Super finishing processes.

## FOCUS AREAS

- Need for finer polishing
- Cylindrical Honing
- Finish of conventional Honing and its significance
- Flat Honing vs Lapping
- Honing vs Superfinishing
- Honing Machine, its specs, features, operating parameters & performance
- Tool Holders
- Abrasives, their grades & performance, and Superabrasives
- Laser Honing
- Polishing and buffing - process, parameters and equipment

## KEY TAKE AWAYS

- Advantages of using Super-abrasives
- Comparison of technologies of finishing
- Equipment features and utilities
- Key references for performance benchmarks
- Eco system around finishing technologies

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 4000/-**

+18% GST

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

## FACULTY

**The programme will be addressed by Industry experts from Nagel Special Machines, Wendt India, Grindmaster and IMTMA.**

**Mr J Ajit** is heading the Application support at Nagel Special Machines. An engineer by profession, he has over 25 years of experience, specializing in Honing process development, Special purpose machines suitable for honing applications, machine tryout, prototype development and servicing of honing machines.

**Mr R B Uday**, is a Mechanical Engineer by profession with a post-graduation in Manufacturing Management with 15 plus years of experience. He is currently associated with Wendt India. Currently handling manufacturing of Super abrasive products for the last 5 years. At Wendt India, he started his career as a Sales & Application engineer handling South Indian States, worked as Regional Manager for Karnataka Region for 4 years and was incharge of International Marketing. He was also associated with SFL as new product Development manager and worked for 4 years.

**Ms Mohini Kelkar** is Director at Grind Master Machines Private limited, manufacturing SPMs for micro polishing and super finishing. She is one of the few early Lady Production Engineers in India with 35 plus years of rich experience in the domain.

**Mr. Avinash Khare**, is presently working as a Consultant Head for IMTMA Pune Technology Centre for last 5 years ; he has been designing, developing content and delivering wide range of Training Courses as a Faculty. He has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D in Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shops, Tool Room Shop Head, Head of Die Design and Champion in Business Excellence. He has taught Instrumentation and Bio Medical Instrumentation at Pune University as part time faculty.

### For Registration Contact

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