Manufacturing Technology Training
An IMTMA initiative

# Effective deburring of metallic, machined components
**Date : 17 September, 2024**
**Venue : IMTMA Technology Centre, Bengaluru**

## INTRODUCTION

In modern manufacturing, the quest for burr free components has scaled a new high. With intricate component design, difficult to machine materials and strict cleanliness requirements, it poses challenges to the manufacturers. Over decades, many different deburring techniques have evolved. Among the most effective ones, there are two non-conventional processes – Electrochemical Machining (ECM) & Thermal Energy Method of deburring (TEM). Owing to their effectiveness and productivity, they are the most preferred methods in recent times.

Keeping this in view, Indian Machine Tool Manufacturers' Association is organizing a session on **Effective deburring of metallic, machined components.** It is a unique combination of a classroom session followed by practical demonstration at Extrude Hone India's Bangalore facility.

## FOCUS AREAS

- Definition, characterisation of burrs
- Causes of burr formation & its ill effects
- Understanding customer needs
- Common deburring methods – merits and demerits
- Non-conventional approach
- Electrochemical machining (ECM) & Thermal deburring (TEM):
    - Basic principles, capabilities and applications
    - How to gain a control on the process for consistent output quality
- Demonstration of ECM & TEM processes with real-life applications
- Open discussion on challenges faced in reality and probable solutions

## KEY TAKE AWAYS

- Understanding burrs & customer needs
- A thorough understanding of ECM & TEM technologies
- Seeing ECM & TEM processes working on various components in real life

## PARTICIPATION FEE

**Rs. 6600/-**
+18% GST
**IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others**

**USD 260/-**
**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 20% for 6 and more delegates being nominated from the same company**

## PARTICIPANT PROFILE

- This programme will benefit practicing NPD, manufacturing & QA professionals
- An existing user of / anyone interested in adopting ECM & TEM processes
- Irrespective of hierarchy, anyone responsible for delivering quality & securing future

## FACULTY

This program will be conducted by **Mr. Debnath Goswami.**

**Mr. Debnath Goswami,** Managing Director of Extrude Hone India Pvt; Ltd., has 30+ years' experience on machine design & building, project management and marketing of machine tools from various industry like M/s Saint Gobain India, M/s Kennametal India & M/s Extrude Hone India.


## For Registration Contact

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**REGISTRATION :** Prior registration for participation is necessary. Number of participants is limited and will be accepted on 'First Come First Serve' basis. A Certificate of participation will be issued to participants.
**Important Information :** Participation fee includes, course material, working lunch and tea / coffee. Interested companies are requested to register online by clicking on 'REGISTER' button and by filling up the nomination authority and participant's details in specified form.