



## INTRODUCTION

A big proportion of professionals working in Sheet forming have learn't the tricks of the trade and the do's & don'ts the hard way, through years of painstaking experiential learning. The onslaught of new technology and materials in this domain has been so rapid that there is a dire need for a short capsule covering the basics, new technologies along with practical aspects of meeting the taller demands on quality and process performance.

In order to address this requirement; Indian Machine Tool Manufacturers' Association (IMTMA) is organising an online training programme on "**Primer Course in Sheet Metal Forming**".

## FOCUS AREAS

- Sheet formability properties, their significance and determination.
- Grades of sheet metals, evolution of new higher strength materials.
- Simulation of quality issues in sheet Forming.
- Basic sheet Forming operations such as cutting, bending and draw.
- Force and energy calculations for sheet Forming operations.
- Press brake, CNC punch press and laser cutting.
- Type of Stamping dies and their constructions.
- Common defects and their causes.
- Comparison of different type of presses
- Joining techniques of sheet parts.
- Use of fixtures for assembly, inspection, automation and transport.

## KEY TAKE AWAYS

At the end of the program, the participants shall be able to understand:

- Sheet formability fundamentals
- New sheet metal materials
- Considerations of part design, process design and tool design
- New Technology trends in automotive industry
- Advantages and challenges in adopting new technology / materials

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 4500/-**

+18% GST

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

**USD 180/-**

**Overseas Participants**

**Group Concession : 20% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company**

## FACULTY

This programme will be conducted by **Prof. K.Narasimhan** and **Mr. Avinash Khare**.

**Professor Narasimhan** is Head of Metallurgy Department at IIT Bombay. He is driving "Sheet Metal Forming Research Association" which is an apex body in the field of Advanced Sheet Metal Forming related Research and Seminars. He has been a key resource person for IMTMA for its courses and International Seminars.

**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 is Electrical Engineer by Qualification and 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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