

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) and Sheet Metal Forming Research Association (SMFRA) jointly organise a six hour online Primer course in Sheet metal forming.

FOCUS AREAS

- Basics of Sheet Forming
- Formability properties of metal sheet
- Formability Simulation
- Tips on Part Process and Die Design
- New Technology trends
- Use of AHSS
- Hot Forming
- Tailor welded blanks
- Typical defects in sheet parts with root causes
- Inspection of sheet parts and acceptance norms

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. 4000/-
+18% GST

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

FACULTY

This program shall be delivered by **Prof. Narasimhan** and **Mr Avinash Khare**.

Prof. K.Narasimhan, is a Professor and Head of Metallurgy Department at Indian Institute of Technology (IIT) Bombay; apart from decades of teaching he has rich experience of Consulting and Research. He is an active member of SMFRA (Sheet Metal Forming Research Association).

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.

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