

INTRODUCTION

The multiple facets of modern sheet metal forming techniques are applied throughout a wide spectrum of economy, ranging from the automotive industry and machine manufacturing to electrical engineering and electronics. Comparing to conventional manufacturing, advanced sheet metal forming methods offer several advantages, such as decrease in work piece cost, tool cost and product weight, improvement of structural stability and increase of the strength and stiffness of the formed parts, more uniform thickness distribution, fewer secondary operations, etc.

The automotive industry is the main impetus worldwide for new developments as is seen in its efforts to optimise lightweight constructions coupled with high strength. Now a days, Simulation / CAE Tools are increasingly used to develop the product and process, replacing lengthy trial and error processes on real prototypes.

This programme will introduce advance and future technologies that are available and are being developed in the area of sheet metal forming.

Keeping this in mind, IMTMA is conducting a 2 day training programme on Advanced course in Sheet Metal Forming Techniques.

FOCUS AREAS

- Material Technology
- Automation in Sheet Bending and Cutting
- Challenges of AHSS and Hybrids
- Hydroforming of Sheets and Tubes
- Superplastic Forming and Diffusion Bonding
- Electro Magnetic Forming and Laser Assisted Forming
- Hot Stamping
- Incremental Forming
- Spinning, Flow Forming and Roll Forming
- Technologies of Composite Forming
- Simulation approach for Advanced Metal Forming Processes

KEY TAKE AWAYS

After undergoing the programme, the participants will be able to -

- Insight about newer possibilities of sheet metal forming
- Understanding about types of hydroforming and its applications
- Knowledge about role of hot forming in automotive applications
- Insight about using simulation tools for reducing the lead time of product development
- Insight into Composite Forming

6. Know the latest trends of automation in sheet forming

PARTICIPATION FEE

Rs. 10450/-
+18% GST
**IMTMA Members/ Micro Companies/ Individuals/
Educational Institutions / Students/ IMTMA Non
Members/ Others**

USD 418/-
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 Managers, Engineers and Middle Management personnel involved in Production, Process Planning, Methods, and other related areas from Automobile & auto ancillaries, Machine tool, CNC Shops, Defence & Railway establishments, General Engg. and other manufacturing industries.

FACULTY

This programme will be conducted by Mr. Avinash Khare.

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

Nagraj Hamilpure
Programme Coordinator
9881616902
n.hamilpure@imtma.in

Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
12/5, D-1 Block, MIDC, Chinchwad,
Pune-411019
Board Line : +91 7066030531 / 532

