



Last date for registration 17 May 2018

FOCUS AREAS

- Concept, principles and benefits of CE
- Typical components suited best for CE
- Achievable tolerances.
- Limitations.
- Raw material selection for CE
- Importance of alloying material.
- Requirements for successful extrusion.
- Concept of Spheroidise annealing.
- Typical process cycle.
- Equipment used.
- Important controls on furnace.
- Checking parameters.
- Process sequence of CE
- Slugging, Types, influence on process
- Control parameters, Equipment used.
- Machines available in market.
- Phosphate & molycoating.
- Role of Phosphating.
- Type of phosphating.
- Operation sequence.
- Checking parameters.
- Equipment for Molycoating.
- Process Cold extrusion.
- Types of CE
- Passes used & energy levels in press.
- Hydraulic press application.
- Information on tool setting
- Dangers in press operation & safety
- Case studies on CE parts

KEY TAKE AWAYS

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

1. Have an overview of Cold Forging Technology and their specific industry applications.
2. Understand process sequence and the parameters involved in CE.
3. Learn the procedure for designing Cold Forging dies.
4. Get to know the equipment / set up for cold forging.

PARTICIPATION FEE

Rs. 7500/-

IMTMA Members / Micro Companies / Individual

Rs. 8500/-

IMTMA Non Members

+ 18% GST

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

**Special concession available for Faculty & Students from engineering colleges
(subject to availability of seats)**

PARTICIPANT PROFILE

This programme will benefit practicing engineers and senior technical personnel involved in the functions of Design and Development, Process Planning, Product Engineering, Application engineering, R&D, Manufacturing, Quality Assurance, Servicing etc., and other related areas from Machine Tool, Automobile & auto ancillaries, Tool rooms, Defence and Railway establishments, General Engineering and other Capital goods manufacturing industries.

The programme will be highly interactive where participants can raise questions and solicit feedback from the expert faculty.

FACULTY

This programme will be conducted by Mr. H. C. Parthasarathy, Industry expert in Cold Forging and manufacturing engineering. Mr. Parthasarathy is a Mechanical Engineer by profession has served in the manufacturing sector for over 45 years at reputed organizations such as TELCO, Bosch, MICO, TVS and BPL. He has hands on experience in developing more than 100 components utilizing the cold forging technology. He also has two international process patents in this field.

For Registration Contact

Nishant Singh
Executive Officer IMTMA
+91 9028017098
nishant@imtma.in

Contact Address

INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION
12/5, D-1 Block, MIDC, Chinchwad,
Pune-411019

Board Line : +91 7066030531 / 532

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.