

TWO DAYS TRAINING PROGRAMME ON

Melting/Holding Furnaces, Fuels, Crucible Care, Molten Metal Treatment & Quality Assessment



GREAT DIE CASTING TECHNOLOGY FORUM

15-16 May 2026 (Fri-Sat)

Time: 9.30 am to 5.30 p.m.

Venue : Arkey Conference Hall,

'Guruprasad', 2nd Floor, 37/4/A, 6th Lane, Prabhat Road, Pune 411 004

INTRODUCTION

This 2-day Training Module is Designed to Build a Strong Technical Foundation in Melting & Molten Metal Management, which are Critical to Achieving Consistent Casting Quality & Process Efficiency.

Participants will be taken through the end-to-end Melting Cycle, Starting from Fundamentals of Melting, Selection of Furnaces & Fuels, and Charge Preparation Practices. The session will further cover Process Control aspects such as Temperature Management, Melting Parameters, and Crucible Care to ensure Safe & Efficient Operations.

A Key Focus Area will be Molten Metal Treatment & Quality Assessment, including Degassing Techniques, Impurity Control, and Evaluation Methods to Ensure Metallurgical Integrity. Participants will also understand the Best Practices in Molten Metal Handling & Transfer, along with Furnace Maintenance and Energy Optimization.

WHO SHOULD PARTICIPATE?

- Engineers & Managers working in Aluminium Die Casting Foundries – SAND/GDC/LPDC/PDC - in various areas - Manufacturing, Methoding, NPD, Process Design, QA, purchase, etc
- New Entrants to Foundries from the Middle or Senior Management Level
- New Generation Entrepreneurs
- Casting Designers, QA Persons in OEMs
- Vendor Development Engineers, Managers

CONTENTS

Day 1

- Aluminium and Aluminium Alloys
- Properties
- Melting and Solidification behaviour
- Melting of Aluminium Alloys - Melting Furnaces, Fuels and Crucibles
- Crucible Care

Day 2

- Molten metal treatment - Fluxing, Degassing, Refining and Modification
- Integrated molten metal treatment
- Quality Assessment and control, Molten Metal
- Advances in molten metal quality control

COURSE FACULTIES



Shrikant Bhat

Head Non-Ferrous Foundry, FOSECO INDIA, B.E.(Metallurgy), PGDM (Mktg) Currently working as Head Non-Ferrous Foundry, FOSECO INDIA for India and the ASEAN countries. Looking after Sales, Marketing and development activities for Non-Ferrous Foundries and Crucibles.

Worked in Foundry Production, Process Control, Sales, Marketing and Product development departments for more than 30 Years in various capacities.



Anand Joshi

Consultant - Aluminium Foundry & Extrusion More than 40 years of industrial experience covering production, quality, new product development, new projects, materials development, marketing and overall management of factories. The areas of experience include Ferrous, Aluminium & Copper Foundries; Heat Treatment of Ferrous and Non ferrous Components

and Extrusion dies and tooling, Aluminium Extrusion and Billet Casting Foundry. Presently working as independent consultant in the field of Aluminium Extrusion, Foundry and Management.

We encourage & invite case studies/questions/issues concerning your organisation beforehand for discussion. No issue is too big or too small!

Please send your registration form and payment details by email.

Registration Fees

Category	Members	Non-Members
• Individual	Rs. 7,080.00	Rs. 7,788.00
• Corporate (3 delegates)	Rs. 19,116.00	Rs. 21,028.00

Inclusive of GST

Delegate Fees includes Course Material, Tea & Lunch etc. during the program.

RTGS / NEFT details

Account Name : Great Diecasting Technology Forum
 Bank Name : UCO Bank
 Branch Name : Deccan Gymkhana Branch
 Account No. : 06870210002889
 IFSC Code : UCBA0000687
 MICR : 411028009
 Type of A/c : Current
 Payment to be made in favor of 'Great Diecasting Technology Forum' payable at Pune.

GDC TECH FORUM

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