Manufacturing Technology Training
An IMTMA initiative

Fundamentals of Painting Technology
Date : 2 to 3 December, 2025
Venue : IMTMA Technology Centre, Pune

INTRODUCTION

The purpose of doing a liquid painting / coating on a given surface is two-fold. First it protects from corrosion and second it serves as décor, adding visual appeal of the product. Any painting / coating process involves substrate surface preparation, application of the coating and drying of the coating. Thorough knowledge about the components of paint and powder formulations, their application methods including drying and curing is essential to achieve the optimum productivity and quality levels. Lack of knowledge in painting & coating leads to high rework and rejection rates

FOCUS AREAS

- What is Paint - types, classification, properties
  - Thinners
  - Properties and contribution of raw materials in Paints
  - One K and 2K Paints
- Primers, Surfacers and fillers
  - Metallic Base Coats
  - Clear Coats
  - Inspecting wet Paint, Mixing, Handling of paints
- Importance of Paint Application
  - Different Spray Application methods
- Pre-treatment before Coating
- Technology Of Spray Painting
  - Air Spray, HVLP, Air Less, Air Assisted, Electrostatic
- Paint Spray Techniques - Films with discussion
- Quality of Finish
- Visual Paint defects, Identification, Root Cause Analysis and Remedies

KEY TAKE AWAYS

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

- Understand the fundamentals of painting methods
- Understand correct process sequence and the SOPs involved
- Learn how to ascertain quality of painted products
- How to reduce rejection rates and rework in paint shops

PARTICIPATION FEE

Rs. 4999/-
+18% GST
IMTMA Members/ Micro Companies/ Individuals/ Educational Institutions / Students/ IMTMA Non Members/ Others

USD 200/-
Overseas Participants

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

FACULTY

This programme will be conducted by **Mr. Meghan Manjrekar,** Industry expert in Surface Coating & Application Technology.

Mr. Manjrekar is a Qualified Paint Technologist & has over 30 years' experience in the field. He is a certified International Coating Inspector – SSPC (USA) PCI Level 2. As a Consultant, he has an impressive list of Customers with OEMs & MNCs on his list. He has been in the Training & Education field for the subject for over 10 years & has delivered special courses as well as, in-house courses for industry in India & Abroad.

For Registration Contact

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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.