The purpose of painting/ coating a given surface is two-fold. First, it protects from corrosion and second it serves as design, 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/ powder coating leads to high rework and rejection rates.

Keeping this in view, Indian Machine Tool Manufacturers’ Association (IMTMA) is organising a 2 day programme on Fundamentals of Painting and Coating Technologies on 26 - 27 April 2018 at Gurgaon.

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

**Key Take Aways**
- After undergoing the programme, the participants will be able to:
  1. Understand the fundamentals of painting and coating methods
  2. Understand correct process sequence and the SOPs involved
  3. Learn how to ascertain quality of painted products
  4. Reduce rejection rates and rework in paint shops

**Participant Profile**
This programme will benefit paint-shop engineers and technical personnel involved in the functions of Process Planning, Preparing Application engineering, Manufacturing, Quality Assurance, etc., and other related areas from Automobiles & auto ancillaries, Defence and Railway establishments, General Engineering and other Capital goods manufacturing industries.

All users of powder and paint coatings as well as suppliers of painting equipment and materials can derive benefits out of this programme.

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. Meghan Manjrekar, Industry expert in Surface Coating & Application Technology. Mr. Manjrekar is a Qualified Paint Technologist & has over 30 years of experience in the domain. He is a certified International Coating Inspector – SSPC (USA) PCI Level – SS, Industrial Coating Inspector – NACE Level – SS & US Military painter – US Navy - SS. He is a Bachelor in Metallurgical Engineering from Nagpur University.

**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.

**FEE**
- The stipulated fee can be paid online by clicking on 'Register and Pay online' button and using the secured HDFC payment gateway. Upon successful registration and payment, a separate registration and payment confirmation will be sent to the nominating authority mail id confirming the registration and CR payment details. Alternatively, a Demand Draft or at par cheque in favour of IMTMA payable at Gurgaon can be sent to the programme coordinator at the address mentioned in the brochure.

**About IMTMA**
Indian Machine Tool Manufacturers’ Association (IMTMA) is the single point of contact for the machine tool industry in India. The Association has over the years transformed itself to looking beyond, to focus on issues of productivity, quality, technology, new product development, design, customer satisfaction, etc. for enhancing competitiveness of the industry in both domestic and Foreign markets. IMTMA has established a state-of-art facility at IMTMA Technology Centre, BIBECC, Bangalore. IMTMA offers 150 programmes over 80 Topics for the industry. It also conducts a comprehensive ‘Finishing School’ programme in Production Engineering for fresh engineers. It has delivered over 68000 Man days programmes in PRODUCIVITY, QUALITY, RELIABILITY, DESIGN, AUTOMATION, MAINTENANCE AND MANUFACTURING.

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**Participants Feedback**
Exceptionally experienced faculty. Shares a lot of practical issues. Overall a good session - Mr. K P Choudhary, Sr. Manager - Paint Shop, Uflex Ltd.

**Industries Participated**
The previous programmes have been well received by delegates from Ace, Uflex, TAL, Carbonborum Universal, LMW, Faiveley, Brembo Brake, SFG, Titan, ZF Wind power, Uflex etc.