



## INTRODUCTION

In today's manufacturing scenario, shortage of raw material & power, meeting quality with consistency in quality norms and increasing pressure to reduce costs are the order of the day. Besides these business challenges, surface finish, an important manufacturing process contributes significantly to the costs. During finishing of parts, Surface plating techniques such as 'Electroplating, application' is possibly the most troubled issue. Lack of knowledge in Surface plating and protection technology leads to high rework and rejection rates in-house & as well as from outside vendors. Hence it is important to follow the right techniques to achieve surface finish of acceptable quality.

Future of Indian Industry appears bright, and the demand for INDIAN products is expected to grow exponentially. To grab global opportunities, better quality will be the key. Hence this training program is aimed at educating and upgrading the existing workforce on latest plating techniques, which is going to be the need of the hour.

Keeping this in view, IMTMA is organising an online training on Surface Plating and Protection Technology.

## FOCUS AREAS

- Introduction to Electroplating
- Need for electroplating and the various aspects of this process
- Pre-treatment and surface cleaning processes
- Various types of electroplating such as Zinc plating, Nickel plating, Copper plating, Tin plating, Silver & gold plating and Chrome plating, Anodizing, (Conventional & Hard), Electro-less Nickel (Auto catalytic processes), Electro-polishing, Black oxidizing, Parkerizing & Phosphating. Galvanizing. Pickling & Passivation
- Quality and process controls in various processes and standards covering consistency norms, defects, quality test, process control, root cause analysis and ASTM standards.
- Safety and environmental issues covering Regulations, environmental controls in the industry, Safety aspects in manufacturing and application in Plating shop and Disposal issues (as per pollution control boards norms)

## KEY TAKE AWAYS

- Understand the fundamentals of Electroplating Technology & methods to get the best output
- Understand correct process sequence and the SOPs involved
- Learn how to ascertain quality of electroplated products
- How to reduce rejection rates and rework in electroplating shop

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 6000/-**

+18% GST

**IMTMA Members/ Micro Companies/ Individuals/  
Educational Institutions / Students/ IMTMA Non  
Members/ Others**

**USD 240/-**

**Overseas Participants**

**Group Concession : 10% for 3 to 5 and 30% for 6 and more delegates being nominated from the same company**

## FACULTY

This programme will be conducted by **Mr. Avinash Barve**

**Mr. Avinash Barve** is an industry expert in Surface Finishing & Application Technology. He is a professional electroplating Technologist & has about 40 years' experience in the field. As a Consultant, he has an impressive list of Customers with OEMs & MNCs on his list. He has been in the Consulting & Training field for the subject for over 10 years & has delivered special courses as well as in-house courses for industry in India.

### For Registration Contact

**Preetham**  
**Programme Coordinator**  
9845648940  
[preetham@imtma.in](mailto:preetham@imtma.in)  
**Back End Operations**  
9742626488  
[enquiry@imtmablr.com](mailto:enquiry@imtmablr.com)

### Contact Address

**INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION**  
Plot 249F, Phase IV, Udyog vihar, Sector - 18,  
Gurgaon - 122015  
Tata no- +91-124-6463101  
Tel : 0124 4014101 - 04  
Fax : +91-124-4014108



imtmatraining.67038796@hdfcbank