

INTRODUCTION

Parts cleaning, like most metalworking processes, are experiencing ever tightening specifications. Owing to the constantly increasing requirements in terms of efficiency, quality and environmental protection, the cleaning of industrial parts has become absolutely essential in modern manufacturing processes. It is highly critical especially in case of automotive components, aerospace parts and medical implants.

However, Parts cleaning is often the most ignored area in the production lines. Cleaning is commonly considered as non value adding process; without evaluating the consequences of ignoring component cleaning. A successful cleaning process requires careful selection of both the cleaning chemistry and equipment. Cleaning process is influenced by various factors viz. manufacturing process, cleaning media, surrounding conditions, work piece quality, parts handling, machine technology, testing process (Millipore test), etc.

This programme will provide in depth knowledge about the industrial cleaning processes supported by real time case studies from various manufacturing sectors (automotive & general engineering) and demonstration. Experts presenting technical seminar would also share their vast experience in component cleaning and best practices followed in the world.

Keeping this in mind, IMTMA is conducting a 2 day online training program on ‘**Cleaning of machined components.**’

FOCUS AREAS

- Importance of industrial parts cleaning
- Cleanliness testing methods
- Inspection procedure in determining cleanliness.
- Different types of cleaning media; Selection of right cleaning media
- Important factors influencing cleaning results; Influence of ambient (surrounding) conditions
- Combining Cleaning Technologies; multistage cleaning systems using automated material handling
- Ultrasonic cleaning processes
- Cleaning Chemistry - Insight and recent trends
- Cleaning of automobile parts; user perspective
- Demo of cleaning equipment / process

KEY TAKE AWAYS

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

- Understand how to measure cleanliness of parts as per standards
- Know different types of cleaning processes and media used
- Select proper method for cleaning machined parts
- Understand factors influencing cleaning results

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

PARTICIPANT PROFILE

This programme will benefit Managers, Engineers and Middle management personnel involved in the functions of Production, Manufacturing, Quality Assurance and other related areas from Automobile and Auto Ancillaries, Aero space, Medical, General Engineering and other Manufacturing Industries.

FACULTY

This Program will be conducted by **Mr. Avinash Khare & Industry experts from Ecoclean Machines Private Limited.**

Mr. Avinash Khare, Advisor IMTMA has been designing, developing content, and delivering wide range of Training Courses as a Faculty. He is Electrical Engineer by Qualification, and he has worked for over 33 years at Tata Motors Pune in various capacities ranging from R&D in Industrial Electronics, Machine Maintenance, Technology Procurement, Head of Machine Shops, Tool Room Shop Head, Head of Die Design and Champion in Business Excellence. He has taught Instrumentation and Bio-Medical Instrumentation at Pune University as part-time faculty.

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