

# Training on Metallography

This program is best suited for Engineers in the field of manufacturing, quality and vendor development disciplines in automobiles, defense industries and metal processing. Spectro provides an extraordinary overview on Metallography that is exercised in practical applications. The training provides every learner a complete know-how allowing them to carry out any test method independently.



## Objectives of the Training:

All the physical tests for checking qualities like Hardness, Flatness, Bend, 0.2% Proof-Stress, Charpy Impact and Tensile strength are demonstrated to enhance the knowledge of the trainee. Micro-Examination and Macro-Etch testing which offers practice on preparation of several specimens needed for physical tests like checking Impact, Tensile strength, etc. are being carried out. Training on Chemical Analysis by Wet Method is organized separately for the chemists. There are additional courses for Hydraulic Pressure Testing and Non Destructive Testing. We arrange special training programs for ASNT level I and II as well.

## Training module for 6 days:

**Day 1:** Sample preparation for different metals and alloys according to the relevant Standards followed.

**Day 2:** Etching and observation of microstructure of different metals and alloys (Steels, cast iron, copper and aluminum alloys)

**Day 3:** Etching and observation of microstructure of different metals and alloys.

**Day 4:** Etching and observation of macrostructure of different metals and alloys and Intergranular Corrosion Tests.

**Day 5:** Intergranular Corrosion Tests & Pitting Corrosion tests.

**Day 6:** HIC and SSC tests (Introduction to Standard, sample preparation and apparatus set up for these tests) Minimum Eligibility.



## Minimum Required Eligibility:

The trainee must possess a Diploma or Degree in any Science field or must be pursuing the same.

## Benefits of the Training:

This training program is perfect for those who are interested in entering the Metallographic industries. Also the non-metallurgists who have little knowledge on this topic can grow their know-how and may enter this field. Metallography has a very wide scope in all the industries as all the equipments are manufactured from metals.

## Please Note:

- \* We also conduct customized training programs on request.
- \* The certificate will be provided only after clearing a test.



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