

## INTRODUCTION

Today, cost reduction is the No. 1 priority for any company. SPC or statistical process control is a game changing tool for cost reduction. Many companies use Statistical Process Control (SPC) charts to manage and control quality. They also provide valuable signals about why your company incurs costs-and reveal opportunities to cut costs. So SPC can help you implement many different types of cost-reduction strategies.

For doing so one needs to learn SPC techniques and apply them. Data generation, analysis and process improvement is key to delivering a lean manufacturing setup, thereby optimizing costs and maximizing profits to your organization.

SPC is used in manufacturing or production process to measure how consistently a product performs according to its design specifications. By achieving consistent quality and performance, some of the benefits manufacturers can realize are:

- Reduced scrap, rework, and warranty claims
- Maximized productivity
- Improved resource utilization
- Increased operational efficiency
- Decreased manual inspections
- Improved client satisfaction
- Reduced Costs
- Extensive Analytics and Reporting

Keeping this in view, Indian Machine Tool Manufacturers Association is organizing an online training on Implementing **SPC, a Game Changer for Cost Reduction**.

## FOCUS AREAS

- Hidden cost of Quality
  - Understanding of common and assignable causes
- QC Tools
  - Run chart
  - Mean & Range chart
  - Histogram
- Difference between **specification limits** and **control limits**
- Machine and process capability
- Application of control charts for variables
- Analysis and interpretation of control charts

## KEY TAKE AWAYS

- Describe the purpose and uses of SPC
- Gain a practical insight into application of SPC techniques on the shop floor in order to carry out quality
- Improvement projects in the organization
- Determine the basic type of control chart to use
- Collect data and construct basic control charts
- Interpret control chart results

## FEE PER PARTICIPANT (PER LOGIN)

**Rs. 7500/-**  
+18% GST  
**IMTMA Members/ Micro Companies/ Individuals/  
Educational Institutions / Students/ IMTMA Non  
Members/ Others**

**USD 300/-**  
**Overseas Participants**

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

## PARTICIPANT PROFILE

Participants should have basic knowledge on Statistics. It help engineers to make them understand and appreciate benefits of SPC. Many times, even experienced engineers have difficulties in understanding and implementing SPC techniques. It will benefit Quality managers, engineers, and technicians, project engineers, manufacturing engineers, technical specialists and anyone with responsibility for product or process control who want to apply SPC in the workplace should attend this programme.

## FACULTY

This program will be conducted by **Mr. M. C. Ramakrishnan, Former Vice President - Quality, Bosch Limited**.

**Mr. Ramakrishnan** is an industry expert with over 40 years of experience in the field of quality tools like Six Sigma, SPC, MSA, Poka - Yoke, etc. He is a trained ISO 9001 and TS 16949 auditor, trained six sigma black belt as well as an FMEA moderator. He has championed a number of Quality Improvement projects at Bosch. He was associated with Bosch's campaign and pursuit for 5S, Poka Yoke, SPC, MSA & TPM initiatives

### For Registration Contact

**Nagraj Hamilpure**  
**Programme Coordinator**  
9881616902  
[n.hamilpure@imtma.in](mailto:n.hamilpure@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