## 7 TOOLS OF QUALITY CONTROL

~Applying 7 QC tools to enhance the capability of quality control!~

## At your factory...

- Though many data are collected, they haven't been used effectively to strengthen quality control activities.
- When there is a case of defective product, it takes too much time to track the cause of the problem.
- The quality improvement activities do not meet your expectation.

So, what is the solution?

#### CONTENT

# Part 1: First, let's understand the concept of Quality Control!

- The meaning and importance of Quality Control
- The difference between Quality Control and Quality Inspection

## Part 2: Understand and practice using 7 tools of Quality Control!

- Check sheet & exercise
- Pareto chart & exercise
- Cause-and-effect diagram & exercise
- Histogram & exercise
- X-R Control chart & exercise
- Scatter diagram & exercise
- Other chart & exercise
  \*Explain and practice drawing the charts by using Microsoft Excel.

## Part 3: Apply 7 tools, implementing Quality Control and improvement activities!

- Apply to the PDCA circle (Plan-Do-Check-Act)
- 7 essential steps of the problem solving process, and the quality improvement activities

## **Part 4: Summary and Action Plan**

\*The above content is subject to change without prior notices



### **OBJECTIVES**



- Understanding the basic knowledge and how to use each of 7 tools of Quality control.
- Comprehending the methods to draw 7 tools by using Microsoft Excel.
- Grasping 7 steps of problem solving and methods to apply 7 tools of QC to the reality of work.

### **TARGET**

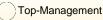


Staff



Middle-Management

First-line Management



### **METHOD**



**30%** theory, **70%** practice through group discussions, presentations, case studies, role-playing, games, etc.





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