

- *Just In Time (JIT)*
- *Quality at source*
- *Inspection*
- *Statistical Quality Control (SQC)*
- *Control charts*
- *TQM*
- *Quality circle*

Just In Time (JIT)

- *Production is highly standardised*
- *In process inventories are drastically reduced by cutting lot sizes*
- *Suppliers of materials of perfect quality*
- *JIT suggests adoption of automated equipment and robots in production process*
- *Insists on preventive maintenance*
- *Workers are responsible for producing parts of perfect quality or with zero defects before they are passed on to the next production operations*

- *Every worker's job becomes a quality control station*
- *SQC is used to monitor quality of parts produced at each work station*
- *Each worker is given the right to stop the production line to avoid producing defective parts*
- *Quality circles*

- The act of determining conformance or non conformance of the expected performance is the function of inspection
- Inspection can be done
 - ✓ at the finishing stage
 - ✓ Before an expensive processing
 - ✓ The output of automatic machine periodically
 - ✓ Before an operation that can't be undone

Is the application of statistical techniques to accept or reject products already produced (Acceptance sampling) or to control the process, and therefore ensure product quality (Process control).

- A graphic comparison of process performance and data with control limits drawn as limit lines on a chart.
- Helps to determine whether the ongoing process is under statistical control or not.

Types of CC

- Control charts for variables
- Control charts for attributes

Constitution of QC

- *Steering committee*
- *Facilitators*
- *Circle leaders*
- *Circle members*

Steps of QC Meeting

- *Start up*
- *Initial problem solving*
- *Approval of initial suggestions*
- *Implementation*
- *Expansion and problem solving*
- *Decline*

- Acronym for *International Organization For standrdisation*
- Object is to promote the development of standardization and related activities
- *ISO 9000 -QUALITY*
- *ISO 14000 – ENV. CONCIOUSNESS*

- *ISO 8402: Deals with standardisation of quality Vocabulary*
- *ISO 9000, ISO 9001, ISO 9002, ISO 9003*
Series of guidelines for selection and use of appropriate system standards(quality)
- *ISO 9004 quality standards for specific situations*