



Totstat Solutions

31/125A, Junior Janatha Road, Vyttila, Kochi - 682 019, India
Telefax : +91-484-2307894 e-mail : info@totstat.com
Mobile : 09447147886

TotStat 5.0

A trusted and friendly software tool for total quality management applications.

TotStat 5.0 reduces the time and effort required for preparing documentation in quality management and cumbersome computations of statistical techniques. The chances of mistakes and duplication is eliminated and the document/ record management is simplified with the software.

TotStat 5.0 is designed and developed as per the requirements of ISO 9001:2008 / ISO TS 16949: 2009 standards.

Modules : Products and instruments, Maintenance Management, ISO Enabler, Quality Plan, Process capability study, Control charts, QC Tools, ANOVA, MSA, APQP, PPAP.

Advantages : All technical documentation and statistical techniques in single folder : designed and developed to an engineering approach rather than a statistical approach: All modules interlinked to avoid duplication of data entry and eliminate mistakes : Independent use of modules where preferred : Facility for conversion of reports to MS Word / Excel : Auto backup facility to prevent data loss : Electronic record maintenance : Reports in AIAG / industry popular formats : Reminders for pending actions and management reports: Multiuser version.: Detailed online help

Modules in details

Products & Instruments

- Products master which is available for further selection
- Instruments master with calibration schedule, alerts on pending calibrations and calibration history
- Computation of precision and accuracy

Maintenance Management

- Machine maintenance schedule, checklist, machine history
- Tool maintenance schedule, checklist, tool history, tool production details
- Fixture maintenance schedule, checklist and history

ISO Enabler

- Internal audit planning, reporting and corrective action
- Management review planning and reporting
- Corrective and preventive actions
- Supplier assessment and management
- Customer complaints and satisfaction analysis
- Competency chart, training planning and reporting



Totstat Solutions

31/125A, Junior Janatha Road, Vyttila, Kochi - 682 019, India

Telefax : +91-484-2307894 e-mail : info@totstat.com

Mobile : 09447147886

Quality plan

- Generates process flow diagram (PFD), process FMEA, control plans (CP), and inspection plans
- Rejection analysis for incoming, in-house, final and customer end rejections
- Linkage between PFD-PFMEA-CP-Rejection analysis to eliminate duplication and avoid mistakes
- Customised library for selecting Severity, Occurrence & Detection
- Work instructions / inspection plans / inspection reports
- Changes made in one document is updated automatically in others
- Linkage to all other modules for statistical techniques to ensure latest specifications / characteristics
- Documentation can be copied for the same family of products.
- Cost of poor quality analysis
- Customer complaints analysis

Control charts

Variable charts - Xbar-R, Xbar-S, X-MR, Median-R and Xbar-MR

- Attribute Charts - p chart, np chart, c chart and u chart
- User defined subgroup sizes
- Initial analysis and determination of control limits
- Homogenization and resetting can be done
- Initiate chart with already calculated control limits
- Regular real time plotting and analysis
- Recalculation of control limits within the same chart as the process improvement/ change
- Detection of trend, run, periodicity, hugging
- Log of process changes/ corrective actions
- Computation of Cp / Cpk
- Facility for export to / import from histogram analysis
- Report for any period with chart / readings / log

Process capability study

- Process capability study plan
- Histogram method and normal probability curve
- Computation of Cp/Cpk/CR
- User definable acceptance criteria / terminology
- Unlimited observations with uni / bilateral tolerance
- Normal probability plot (Anderson Darling method)
- Estimated and actual off-specification products



Totstat Solutions

31/125A, Junior Janatha Road, Vyttila, Kochi - 682 019, India

Telefax : +91-484-2307894 e-mail : info@totstat.com

Mobile : 09447147886

- Histogram / control chart / tally chart / calculations in single report
- Facility for export to / import from control charts
- Facility for import from MS Excel
- Check for excessive difference/unit /least count

QC Tools

- Pareto Diagram
- Scatter Diagram
- Cause and effect Diagram

ANOVA

- No way, one way, two way, three way ANOVA
- Design of experiment
- Recording of results
- Facility for tracking problems encountered during the experiment
- ANOVA table

MSA ... variable and attribute gauges

- MSA plan and reminder for pending analysis
- Analysis for parts with / without in-part variation
- X bar - R control charts of observations
- Computation of distinct data categories
- Graph / computation / observations in single page report
- Gauge R&R using Cross tab and Kappa method
- Computation of the false alarm and miss rate
- Computation of R&R using signal detection method
- Bar chart on appraiser results
- Setting of acceptance criteria for R&R

MSA ... measurement properties

- Bias study
- Linearity study
- Stability study

APQP

- Stages of APQP as defined by AIAG
- APQP timing plan and review reports
- Progress monitoring of the different stage



Totstat Solutions

31/125A, Junior Janatha Road, Vyttila, Kochi - 682 019, India

Telefax : +91-484-2307894 e-mail : info@totstat.com

Mobile : 09447147886

- All documents as per AIAG requirement
- Traceability of documents through different stages.
- Facility to regularize the documents on regular production.

PPAP

- Submission level can be selected by user
- Automatic access of records based on submission level
- Facilities for using the available data and reports
- All record can be retained in a single folder
- Submission through e-mail

Utilities

- Database back-up
- User privileges and password
- Company logo
- Blank report formats
- Customized special character symbols
- Customized report format numbers

Modifications in the software to suit the specific requirements of the organization can be done.

Totstat Solutions

31/125 A, Junior Janatha Road, Vyttila, Kochi - 682 019, India

Telefax: +91-484-2307894, email: info@totstat.com