PROCESS QUALIFICATION

qs-STAT®

q-das.com
qs-STAT is the tool of choice for the assessment and continuous improvement of processes in industrial production. The standards and guidelines included provide necessary orientation.

**AUTOMATED EVALUATION THROUGH EVALUATION STRATEGIES**

There are different requirements and methods regarding the calculation of statistics like $C_p$ and $C_{pk}$ values. All of them are either based on standards, association and corporate guidelines (e.g., BMW, GMPT, Robert Bosch, Volkswagen etc.) or an individual approach. The evaluation strategy defines all the specifications required to calculate statistics. At the heart of Q-DAS software products, this strategy guarantees the reproducibility of results.

- Applying the integrated evaluation strategy, users always follow the correct approach to the calculation of statistics based on standards, association and corporate guidelines or an individual procedure.
- Results become comparable and can be validated.
- qs-STAT creates confidence in the reliability of results.
- Due to the option to adapt the evaluation strategy to specific requirements, users are able to satisfy individual demands.

**GRAPHICS AND STATISTICS**

There are numerous statistical procedures available identifying the best suitable distribution time model automatically and assigning the data to the respective process model as given in ISO 21747-2. qs-STAT also provides users with a rich set of statistical summary graphics and graphics of individuals for the visual evaluation of processes.
qs-STAT DRIVES KNOWLEDGE ACQUISITION

qs-STAT is recognised as a secure means for establishing machine performance and process capability. Different filters and selection criteria detect trends and deviations. These types of analyses frequently allow users to reach conclusions about significant influences caused by different factors like machine, batch, cavity, operator, tool, temperature, etc.

qs-STAT provides an essential tool for displaying influences in appealing graphics and for evaluating them in order to identify room for improvement. The knowledge acquired leads to substantial process improvements and reduces process costs.

REPORTS

Reports provide users with a concise and appealing overview of statistics and graphics. They can be stored as PDF files or sent as an email attachment. Reports used as graphic files are easy to integrate into third-party systems.

INDIVIDUAL SETTINGS

Even though qs-STAT focuses on the idea of an evaluation strategy, users are still able to select statistical test procedures and individual specifications. An individual user management supports customised configurations specifying user rights, graphical user interfaces and graphics settings. Approved as an easy-to-use software, qs-STAT provides automated results as well as reports and offers all functionalities and details an expert in statistics needs.

qs-STAT is also available as a web application.
Hexagon Manufacturing Intelligence helps industrial manufacturers develop the disruptive technologies of today and the life-changing products of tomorrow. As a leading metrology and manufacturing solution specialist, our expertise in sensing, thinking and acting – the collection, analysis and active use of measurement data – gives our customers the confidence to increase production speed and accelerate productivity while enhancing product quality.

Through a network of local service centres, production facilities and commercial operations across five continents, we are shaping smart change in manufacturing to build a world where quality drives productivity. For more information, visit HexagonMI.com.

Hexagon Manufacturing Intelligence is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technologies that drive quality and productivity across geospatial and industrial enterprise applications.

Q-DAS software sets standards for quality assurance in industrial production. 150,000 users all over the world trust in Q-DAS and successfully apply its software as well as associated training and consulting services to raise product and process quality.

More than 8,000 customers from various industries have already chosen Q-DAS solutions, and are profitably harnessing the full potential of correct and reliable statistical evaluations as well as the planning of 3D features along the assembly sequence. Q-DAS software products plan measurement processes and record, visualise and evaluate data in 55 countries to increase efficiency.

The broad Q-DAS catalogue of hands-on seminars delivers essential methodological skills of statistical process control, production metrology and quality assurance. This is complemented by general and company-specific training in any available Q-DAS software product. These support our users in focusing on goals while fulfilling their tasks.

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