

Press release

Optimized analysis and reporting functions for all product-relevant quality data - Data evaluation directly during the production process

iTAC's MES with new functions and operating advantages for Quality Management

Montabaur, 24 March 2020 – iTAC Software AG (www.itacsoftware.com) has been revising its Manufacturing Execution System iTAC.MES.Suite as part of its Quality Management. The QM module includes optimized analysis and reporting functions for all product-relevant quality data. Data can be evaluated immediately during the production process and thus reflect the current quality. Among other things, the QM module supports various types of analysis such as resource analysis, product analysis as well as error and failure type analysis. iTAC also simplifies the use of the module on a new technical basis.

The iTAC.MES.Suite includes various services for the networking, automation and analysis of production processes. It has an adaptive IT architecture and IoT/IIoT capabilities. This ensures timely responses to rapidly evolving requirements in ever-changing factory environments.

"The classic core task of MES is to control the production process. Around this core, the systems are currently evolving in the sense of digital transformation. Collecting and evaluating data from the various areas of a factory - from warehousing all the way to shipping and including the workforce - is becoming increasingly important," explains Peter Bollinger, CEO of iTAC Software AG.

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The revision of the iTAC.MES.Suite's QM module provides new, easy-to-use analysis and reporting options for all product-relevant quality data. In this context, different types of analysis can be performed: for example, analysis of lines and machines (resource analysis), product analysis, error and error type analysis and much more.

Simplicity with the QM module in the workbench

The QM module will be available in the iTAC Workbench, thus building on a simplified user experience based on HTML5. Colour indicators provide direct visibility of anomalies or errors. The solution offers a user-friendly display of diagrams (e.g. Pareto diagram). The easy to access overview page enables the user to select the various quality analyses (Machine Analysis, Product Analysis, Failure Data Analysis, Measurement Data Analysis). A drill-down menu also provides the option of switching directly to the TR module (or other modules).

In addition, icons and buttons have been reduced to a minimum - instead, the focus is on clarity and simple operability. All previous functions have been retained in the process. Values and data can be transferred to other applications via REST API, for example for further statistical evaluation.

Furthermore, the time filter has been modified. Thus, the user can now select any time period that has been selected recently, for example the previous two weeks. The filter options can be bookmarked for repeated use.

QM solution based on practical experience for practical use

"The new simplified QM possibilities have been developed with constant consideration of customer requirements. In various workshops, the customers' requirements were gathered, and they were given the opportunity to take active influence in the development process. As a result, the workflows in production will be supported in the best possible way and will be workflow-centered. The result is a solution developed by experts from the production department," explains Peter Bollinger.

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About iTAC

iTAC Software AG, a stand-alone company of mechanical and plant engineering group Dürr, offers Internet-enabled information and communication technologies for the manufacturing industry. Founded in 1998, the company is now a leading MES manufacturer. The iTAC.MES.Suite is a manufacturing execution system used worldwide by companies in various sectors, including the automotive, electronics/EMS, telecommunications, medical technology, metals and energy industries. Further systems and solutions for implementing IIoT and Industry 4.0 requirements complete the portfolio. iTAC Software AG is headquartered in Montabaur, Germany with offices in the USA, China and Japan, and has a worldwide partner network for sales and service. iTAC's philosophy is to connect people, data and systems.

The Dürr Group is one of the world's leading mechanical and plant engineering companies with outstanding expertise in the fields of automation and digitalisation/Industry 4.0. Dürr products, systems and services facilitate highly efficient manufacturing processes in various industries. Dürr supplies many industries, including the automotive, mechanical engineering, chemical, pharmaceutical and wood processing sectors. The company has 92 locations in 32 countries and 16,500 employees worldwide.

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