

iTAC.MES.Suite 9.20.00 provides even stronger support for networking, automation and analysis of production processes

iTAC introduces new generation of its Manufacturing Execution System and Workbench

Montabaur, July 15th, 2019 – iTAC Software AG (www.itacsoftware.de) launches the new release of its Manufacturing Execution System (MES). The iTAC.MES.Suite 9.20.00 supports companies in increasing the transparency and efficiency of manufacturing processes. Among other things, the MES includes new features for Advanced Planning and Scheduling of orders as well as the control and automation of processes. The release also marks the launch of iTAC.Workbench, a browser-based framework for integrating any HTML5-compliant applications. iTAC is thus increasingly focusing on platform independence, flexibility, mobile capability, usability and simple distribution.

iTAC's MES and IIoT solutions support transparent, automated production. The Manufacturing Execution System iTAC.MES.Suite is a core element for digitizing value adding processes. The new release therefore also focuses on networking, analysis and automation.

iTAC.Workbench for HTML5-compliant applications

The iTAC Workbench is a browser-based framework for integrating any HTML5-compliant applications. The new framework is designed to consolidate the variety of iTAC and customer-specific applications. In addition, the framework offers generic integration of new applications via iTAC plug-in technology. The overall goal is to efficiently support employees with all the information they need to carry out their work. With the new operating concept, all possible subsequent steps can be made available to the employee with just a few clicks. The iTAC Workbench is therefore closely integrated with the workflow management system newly developed by iTAC for MES-based process optimization.

Advanced Planning and Scheduling based on production versions

Efficient MES-based manufacturing also includes detailed order planning. The iTAC.MES.Suite has therefore been offering an APS (Advanced Planning and Scheduling) service for several years. The new release supports transmission and detailed order planning based on several production versions in the APS service. When scheduling an order, the APS service will consider the available, valid production versions for the product in question and select these so that the order is scheduled according to the target function at the lowest possible cost.

Enhancement of the iTAC Messaging Service

The iTAC.Messaging.Services portfolio has been expanded to include technological support for the new broker "ActiveMQ". Client processes actively receive the MES data from the iTAC.MES.Suite (push procedure) as soon as it is available. The shorter communication cycles can have a positive effect on the cycle times of the plant.

Active repair control

The iTAC.MES.Suite now also offers a configuration option for assigning repair characteristics to the individual components of the bill of materials. Among other things, this takes into account whether a repair or replacement is valid for the component. In addition, error types can be defined that, in combination with previously defined components, lead directly to a booking of scrap for the assembly or component. The operator is supported by visual hints regarding the possible effects of a defect assignment.

Better Support for Injection Moulding Machines (SGM)

For the operation of injection moulding machines, a Euromap 63 interface and HTML5-based HMI applications for the input and visualisation of data and the display of documents were implemented. Typical applications include: Order registration and deregistration, recording of quantities, basic fault input, tool registration and consumption, display of documents.

In addition, the new release offers better connection options for paste printers and measuring devices.

Number of characters: 3.892 (incl. spaces)



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About iTAC

iTAC Software AG, an independent company of the Dürr mechanical and plant engineering group, provides internet-enabled information and communication technologies for the manufacturing industry. Founded in 1998, the company is one of the leading MES providers in Germany. The iTAC.MES.Suite is a cloud-based Manufacturing Execution System that is used worldwide by companies in different industry sectors such as automotive manufacturers and suppliers, electronics/EMS/TC, medical technology, metal processing and energy. Additional services and solutions enable the implementation of Industry 4.0 and IoT requirements. iTAC's philosophy is connecting people, data and systems.

iTAC Software AG has its headquarters in Montabaur (Germany) as well as branches in the USA and China, as well as a global partner network for sales and services.

The Dürr Group is one of the world's leading mechanical and plant engineering firms. Products, systems and services offered by Dürr enable highly efficient manufacturing processes in different industries. Business with automobile manufacturers and their suppliers accounts for approximately 60% of Dürr's sales. Other market segments include, for example, the mechanical engineering, chemical and pharmaceutical industries and the woodworking industry.

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