Press release

Easily manage and control material and product transport on the shop floor – both manual transport and use of AGVs

iTAC shows at HANNOVER MESSE:
This is how "Flexible Production" works

Montabaur, April 26, 2022 – The factory of the future is flexible and scalable. The growing variety of products and greater individualization are pushing conventional manufacturing to its limits. In order to be able to react more quickly to customer and market requirements, manufacturing, which has been rather rigid up to now, must become flexible. The MES/MOM specialist iTAC Software AG (www.itacsoftware.com) supports these tasks with the iTAC.MOM.Suite. At HANNOVER MESSE 2022, the company will be using the "Flexible Production" use case to demonstrate, among other things, how optimized material flows can be designed in multi-variant production. iTAC will be presenting this and more at the trade fair from May 30 to June 2, 2022, in hall 4 at booth D54.

"We will be at HANNOVER MESSE at a joint booth with our holding company Dürr AG and our subsidiary DUALIS GmbH IT Solution. Under the motto "Digital Intelligence by Dürr", we will be presenting joint use cases. For example, we will show how companies can use APS and MES/MOM solutions to implement the required transparency and controlled processes in modern digitalized manufacturing. In this context, we will be showcasing our holistic manufacturing management system iTAC.MOM.Suite and, among other things, the new 'Flexible Production' module," explains Peter Bollinger, CEO of iTAC Software AG.

Continuous material supply in flexible production processes

"Flexible Production" is a useful addition to the established "Transport Control" and "Continuous Replenishment" (CRP) functions of iTAC's Manufacturing Operations Management (MOM). Transport Control is used for the continuous supply of materials. The module enables material or product logistics to be embedded in production management. Any transport requirements on the shop floor can be carried out reliably. Different use cases such as transport order generation according to material or product requirements and much more can be implemented. This significantly increases continuity and efficiency in logistics and production.

The Continuous Replenishment Process (CRP) is a process in which the most important task is to ensure the continuity of production without interruptions on the production line or at a station and to monitor the scheduled production. It supports the continuous supply of material.

With "Flexible Production", iTAC now also provides a function for flexibly setting up the production process using AGVs. With "Transport Control", every transport on the shop floor can now be managed, both manually and with forklifts and AGVs.

"Our `Flexible Production` use cases are applicable in any manufacturing sector and can be adpated in a variety of ways. The solutions address customers who need to implement flexible production processes. In these concepts, the products to be manufactured are transported to the various production steps, which are usually designed to be performed in multiple stages, by means of AGVs. Our module automatically optimizes the transport orders and considers the availability and capabilities of individual stations," explains Peter Bollinger.

The new module can be adapted to different layouts of a production line by configuration. The logic with which the system makes decisions is implemented with low-code tools and can be easily modified.

These and other functions within the iTAC.MOM.Suite, as well as other use cases for the factory of the future, will be presented by iTAC in cooperation with Dürr and DUALIS at HANNOVER MESSE.

Easily manage and control material and product transport on the shop floor with iTAC solutions

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About iTAC

iTAC Software AG, an independent company of the mechanical and plant engineering firm Dürr, provides internet-enabled information and communication technologies for the manufacturing industry. Founded in 1998, the company is one of the leading MES/MOM providers. The iTAC.MOM.Suite is a holistic Manufacturing Operations Management that is used worldwide by companies in different industry sectors such as automotive, electronics/EMS, telecommunication, medical engineering, metal casting and energy. Additional services and solutions for implementing IIoT and Industry 4.0 requirements complete the portfolio. iTAC Software AG is headquartered in Montabaur, Germany and has offices in the USA, Mexico, 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 firms with extensive expertise in automation and digitalization/Industry 4.0. Its products, systems and services enable highly efficient and resource-saving manufacturing processes in different industries. The Dürr Group supplies sectors like the automotive industry, mechanical engineering, chemical, pharmaceutical, medical technology and woodworking industries. It generated sales of € 3.54 billion in 2021. The company has around 17,800 employees and 120 business locations in 33 countries.

iTAC Software AG
Aubachstr. 24
56410 Montabaur, Germany

Tel.: +49 2602-10 65-0
Fax: +49 2602-10 65-30
contact@itacsoftware.com
www.itacsoftware.com

Contact
iTAC Software AG
Alina Leber
Inbound Marketing
Tel.: +49 2602 1065 211
Fax: +49 2602 1065 30
E-Mail: alina.leber@itacsoftware.com
www.itacsoftware.com

PR agency:
punctum pr-agentur GmbH
Ms Ulrike Peter
Managing Director
Tel.: +49 211 971 7977 0
Email: pr@punctum-pr.de
www.punctum-pr.de