

## TIG at K 2019

### From machine integration to complex parameter analysis

Rankweil/Austria – September 2019

**Solutions for digitalization and Industry 4.0 are of critical importance for plastics processors worldwide. Adherence to schedules, cost reduction and resource optimization are the ongoing challenges facing the industry.**

**With its established information hub, authentig, TIG provides the software for successfully meeting these challenges. And there are other products beyond this, starting with the low-cost entry-level TIG 2go solution, through to the comprehensive and location-independent TIG Big Data solution, which TIG is presenting at several partner stands at this year's K 2019 – October 16 to 23 in Düsseldorf, Germany.**

**TIG is therefore THE complete MES provider, from machine integration (independently of the manufacturer and year of manufacture) through to complex parameter analysis.**

#### TIG 2go online dashboard solution

The MES specialist offers a smart dashboard solution in the form of TIG 2go, which enables many plastics processors unwilling to invest in a complex MES solution to keep track of their production. They connect their machines to the TIG 4.0 cloud platform via IIoT acquisition hardware. WebOEE, reject and quality trend data are available for all connected machines, regardless of location and at the push of a button. All the information is clearly arranged and can be called up at any time worldwide using PCs or tablet computers. And the solution offers extremely attractive value for money. The user pays one euro per machine and day.

TIG 2go provides access to the MES world and is quite consciously on offer as an "out-of-the-box" product. If customers want more, it is possible to cross-grade to TIG authentig.

### TIG authentig subscription – the new licensing model

The TIG authentig modular software solution can be intelligently networked with any machine. This makes the production and the quality produced transparent, showing potential for optimization.

The new TIG authentig subscription licensing model offers a simple and cost-effective approach to deploying your own MES system. It contains everything manufacturers need to know about their injection molding machines. Thanks to the low initial investment (cost per machine and year, including maintenance), the TIG authentig subscription model guarantees a fast return on investment.

**NEW:** The "Shopfloor Monitor" mobile solution for TIG authentig.

### TIG big data high-performance analytics framework

The TIG big data platform empowers the enterprise to aggregate and analyze machine data from databases, for example, from MES, ERP, CAQ, and maintenance systems. The data are bundled together and processed on the platform. The TIG big data high-performance analytics framework allows companies to unite their worldwide production sites in a central cockpit. The TIG solution comes with an infrastructure that can be adapted to the volume of data in question, and can be hosted locally or in the TIG Cloud.

**NEW:** TIG big data features **Outlier Detection** and **Drift Detection** presented for the first time at K.

These features make it possible to analyze online data in the cloud, or on-premise, with predictive quality algorithms, delivering information on the current process status on the machine and the quality of the products.

The system automatically detects an imminent deterioration without the user having to specify tolerance or intervention limits beforehand.

Users are informed in good time before the machine starts producing rejects, or the quality deteriorates.

TIG is therefore THE complete MES provider, who can offer you everything from machine integration (independently of the manufacturer and year of manufacture) through to complex Big Data analysis.

TIG authentig including the "Shopfloor Monitor" mobile solution, TIG 2go and TIG big data are on show at the ENGEL booth, in the TIG Expert Corner, and on further partner booths.

Visitors can experience real-time monitoring of the quality, machine and order status of the connected machines in line with the requirements of Industry 4.0.

### **LiT – Learning and interactive Training**

Training and knowledge management are key to implementing a digitalization project efficiently and smoothly. TIG takes training to the next level and now offers customers training programs that focus on their specific business objectives. The framework conditions, whether on site, at the TIG training center or remotely, are defined by the customer. On top of this, DTIG offers an e-Learning platform with online courses and webinars.

### **TIG at K 2019:**

**ENGEL**    **hall 15 / booth C58**

**[www.engel-k-online.com](http://www.engel-k-online.com)**

**REP**        **hall 14 / booth B57**

**FANUC**    **hall 14 / booth A60**

**LWB**        **hall 14 / booth A68**

**JSW**        **hall 13 / booth B45**

**MAPLAN** **hall 16 / booth D40**

**TIG – Technische Informationssysteme GmbH**

TIG develops and sells Manufacturing Execution Systems (MES) worldwide and has

- connected more than 10,000 injection molding machines worldwide,
- 7 of the top 10 automotive suppliers as customers.

Founded more than 20 years ago as a specialist for production machine networking, TIG is now the industry leader in quality assurance and production optimization. TIG distributes and maintains its product portfolio globally via locations in Rankweil, Schwertberg and Vienna (Austria), York (USA), and Shenzhen (China). More than 350 customers and numerous big-name manufacturers of injection molding, rubber or recycling machines rely on the state-of-art MES solution by TIG.

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