**Tebis shares updates at METAV digital**

### *Measurement in the process/ Integrated collision avoidance / More automation of processes with 4.1 / First clamping device library in the industry*

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### *Measurement in the process/ Integrated collision avoidance / More automation of processes with 4.1 / First clamping device library in the industry*

**Martinsried, Germany, March 15, 2021** *–* **Tebis, a specialist in CAD/CAM and MES process solutions in model, die and mold manufacturing, is participating as a digital exhibitor in this year's METAV. The trade show will be conducted as a 3D event from March 23-26. The Tebis team will be there with its own booth in the exhibitor area – the "virtual exhibition" – and will present customized innovations for production machining and die and mold manufacturing. There will be a strong emphasis on the event's main themes of instrumentation and quality assurance. Tebis will also present technical topics in more detail during the Web sessions.**

**One-on-one meetings with Tebis contacts will also be available during the parallel "matchmaking sessions."**

**Tebis presentation topics at METAV include the following:**

Measurement in the manufacturing process:

Measurement tasks can be fully integrated in the manufacturing process with Tebis. Integrated measurement is convenient, simple, safe and collision-checked. Users can check to ensure that the part is correctly set up and that the blank is accurately dimensioned and oriented. After machining, the part can be checked to determine if any refinishing is needed. Without integrated measurement, the part can’t be checked until after unclamping. Integrated tolerance testing can be used to determine whether the ordered part can continue to be machined or if interruption is needed. This results in a safe and highly automated process with combined milling, turning and measurement operations that prevent damage to tools and machines. This results in a shorter setup and machining time, higher component quality and fewer correction grinding operations. Users can benefit from this function even if they have controls without separate measuring cycles.

More process automation:

The newly launched complete CAD/CAM system 4.1 provides all the necessary prerequisites for safe, fast and reduced-personnel production – and automation of manufacturing processes.

Integrated collision avoidance

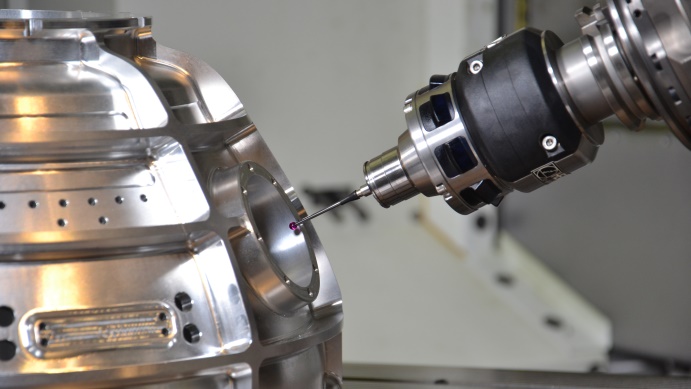
For greater safety, the machine head is fully accounted for in collision-checking during NC calculation. In the event of potential collisions with the machine head, the affected areas are automatically reduced or excluded from machining.The check is performed using the real head geometry, not a substitute geometry.

**Clamping device library:**

Tebis has supplemented its proven virtual process libraries– where all of the real manufacturing components are represented to the last detail in the form of digital twins – with a clamping devices library. This can be used to conveniently create and manage clamping elements and clamping device groups and to set up the machine in the virtual environment. All relevant information is transferred with the NC documentation to the person responsible for setup.

The following link provides more information for interested parties, including the opportunity to register for METAV digitally at Tebis.

**Images**

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Fig. 1:**

**CAQ measurement – Increased productivity thanks to process-integrated measurement with Tebis**

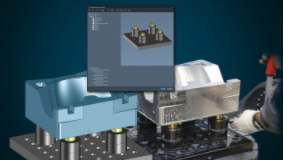
(Image: Tebis AG)

**C:\Users\mattei\Downloads\Rohteil_Pruefen (1).tif**

**Image 2**

*Blank checking in process-integrated measurement*

(Image: Tebis AG)



**Image 3**

*Manage clamping devices and set up machine in the virtual environment*

(Image: Tebis AG)

**About Tebis 4.1**

The complete Tebis 4.1 system is designed for enterprise customers of all sizes in the die, mold and model manufacturing and production machining industries. Tebis 4.1 is a platform for the full automation of all process flows in modern manufacturing companies.

Enterprise customers have full access to Tebis' expertise for installing and their ongoing work with version 4.1. A modular training concept and training courses for special manufacturing processes enables Tebis users to fully utilize the software and improve their business processes for future viability. A dedicated support team is available for user questions, as well as the expertise of the Tebis service team and numerous application games and interactive opportunities for exchanging ideas in the online community.

**About Tebis**

Tebis is a global market and technology leader in the CAD/CAM and MES sector. Customers use Tebis to efficiently and reliably design, plan and manufacture models, molding dies and components to the highest quality. Teams of consulting and implementation specialists with practical experience develop strategies for efficient and reliable CAD/CAM processes, implement these in the customer infrastructure and ensure a viable technological and competitive advantage.

Tebis software has an intuitive user interface that guarantees a high level of quality and safety in manufacturing, even for highly complex parts. Thanks to Tebis service offerings, customers can easily introduce new technologies and fully leverage the power of Tebis process solutions.

The company is headquartered in Martinsried near Munich, Germany, and has nine subsidiary offices around the world as well as distributors in eight additional countries. 350 employees worldwide support Tebis customers, most of whom are in the automotive, aerospace and production machining sectors.

Automation has been a key factor in the Tebis formula for success for over 30 years. Tebis views itself as an innovator for customers on their path toward Industry 4.0.

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