**The Digital Shop Floor from HEIDENHAI:**

**Software, advising and services that advance your CNC machining**

*The Digital Shop Floor from HEIDENHAIN delivers practical solutions and competent services for complete digitalization, providing 360° of insight into manufacturing environments. Along with its familiar StateMonitor and PlantMonitor solutions, HEIDENHAIN is presenting two new software tools at AMB 2022 in Stuttgart: JobManager for job planning and PartCalculator for easy estimation of production times and costs.*

**JobManager for streamlined job planning**

JobManager is a new Digital Shop Floor software solution from HEIDENHAIN for precise job planning. Equipped with this software, users can easily manage and edit the job data required for detailed job planning, enjoying a clear overview over all created jobs. Operators can sort and filter the job list as desired, as well as update or add information to a job at any time. Links to job-related documentation such as CAD data or technical drawings can also be added to the job data.

Job and workflow data can also be added and edited, including planned setup times, part production times and transport durations. This workflow data can then be assigned to the appropriate machine. Users benefit from a clear overview over the current utilization of their machines, allowing them to estimate the delivery date for new jobs. They can also react flexibly to sudden planning changes. The transparent planning made possible by JobManager even enables improved machine utilization.

**PartCalculator for time and cost estimation**

The new PartCalculator software allows users to analyze the 3D models and technical drawings of milled parts. Based on the analyzed part features, PartCalculator estimates the production time and manufacturing cost, thereby supporting the quoting process early on through CAD data and technical drawings.

During analysis, PartCalculator extracts part features and production-relevant information such as tolerances and thread sizes. The user only needs to enter the material and quantity, along with any relevant optional information such as rework processes. PartCalculator then provides the production time in minutes and the production cost in euros per part, thereby supporting fast and reliable price estimation for CNC-milled parts.

**StateMonitor and PlantMonitor: collect, analyze and visualize machine data**

The StateMonitor software gives manufacturers real-time insight into the production status of their CNC machines. StateMonitor collects, analyzes and visualizes machine data, allowing users to run perfect analyses of machine statuses, tool data, NC program durations, PLC signals and other machine-related data. This information can then be used to uncover optimization potential. Here are the new features due to appear in the fall of 2022:

* Comparison of the tools available in the machine with the tools required by the NC program, creating a list of the tools still needed
* FOCAS interface for FANUC controls
* Greater possibilities for automatic machine-status editing based on defined rules

HEIDENHAIN has created a way for multiple instances of StateMonitor to be analyzed: the new PlantMonitor software. This solution networks machines across separate buildings and production sites, giving users greater ability to react to changes and implementing long-lasting optimization. PlantMonitor does this by displaying and analyzing data from different instances of StateMonitor in real time. And as with all solutions from HEIDENHAIN, the user’s data sovereignty is paramount. Users enjoy full control over their data and its usage.

|  |  |
| --- | --- |
|  | *StateMonitor, PlantMonitor and more: the Digital Shop Floor software solutions from HEIDENHAIN are advancing the digitalization of CNC manufacturing.* |
|  | *The HEIDENHAIN Digital Shop Floor offers single-source software solutions for the entire production chain while ensuring unlimited digital sovereignty for users.* |
|  | *Collect, analyze and visualize machine data with the StateMonitor software solution from the HEIDENHAIN Digital Shop Floor: machines can be monitored from anywhere and at all times.* |
|  | *The PlantMonitor solution from the HEIDENHAIN Digital Shop Floor connects multiple instances of StateMonitor, delivering process transparency across separate production departments and sites.* |

|  |  |
| --- | --- |
| **HEIDENHAIN at AMB:**  **September 13 to 17, 2022**  **Hall 2, Booth D03** | **The TNC Club at AMB:**  **September 13 to 17, 2022**  **Hall 2, Booth C02** |
| ***For more information, visit:***  live.[heidenhain](https://live.heidenhain.com/index.html).com  www.heidenhain.com/tnc7  www.heidenhain.com |  |
| ***Contact persons for the trade press:***  Frank Muthmann  DR. JOHANNES HEIDENHAIN GmbH  83292 Traunreut, GERMANY  Tel.: +49 8669 31-2188  [muthmann@heidenhain.de](mailto:muthmann@heidenhain.de) | Ulrich Poestgens  DR. JOHANNES HEIDENHAIN GmbH  83292 Traunreut, GERMANY  Tel.: +49 8669 31-4154  [poestgens@heidenhain.de](mailto:poestgens@heidenhain.de) |