

ORANTEC tool monitoring. Simply more efficient.

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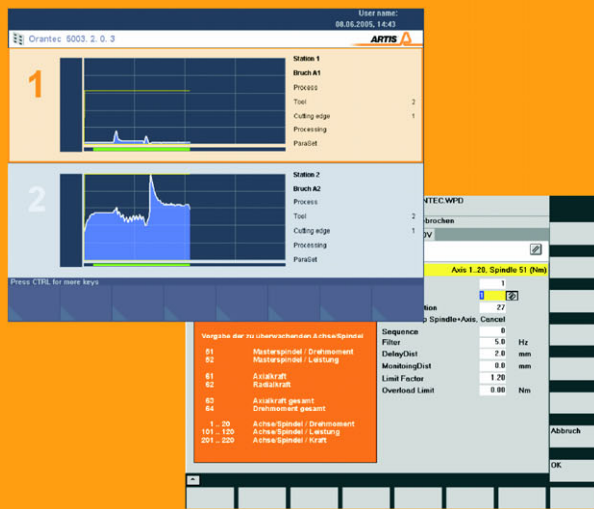
Software solution for process monitoring in Siemens Sinumerik 840D control systems.

- **missing tool detection of rotating shaft tools**
- **overload monitoring with fixed limits**
- **software-only solution**
- **graphic interface for the clear display of process signals (optional)**
- **no change in the PLC required**
- **no sensors in the machine working area**

ORANTEC tool monitoring. Integrated security for mass production.

Use

ORANTEC tool monitoring has been designed for use in mass production. For this the processes must be easily reproducible, i.e. fluctuations in dimensions and hardness must lie within the normal tolerance range. In such cases shaft tools with a diameter of 3 mm and upwards in steel can be monitored for 'overload' and 'missing' and the process constantly checked.



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Features

ORANTEC – the tool monitoring software for integration in Siemens Sinumerik 840D control systems – fulfils all requirements for overload and missing detection without the need to integrate additional hardware components.

ORANTEC makes optimal use of existing control resources. This guarantees a high level of efficiency while improving integration of functions directly in the control environment.

Benefits

- Sensor-free tool monitoring with a **good price/performance ratio**
- The **saving potential** is particularly noticeable when mechanical scanner and laser systems are used. The **cost reduction** results from the fact that no wiring is required and idle times (cycle times) are saved
- Independent monitoring of up to **10 tasks** at the same time with optional visualisation of **3 axes/spindles**

NC control requirements for Siemens Sinumerik 840D Powerline:

- NC software version as of 6.05.xx
- PCU 20
- PCU 50/70 if the optional graphic interface is used

Siemens Sinumerik 840D Solutionline:

- TCU
- PCU 50/70 if the optional graphic interface is used