

GENIOR

PCI card for tool, process and machine condition monitoring

System for monitoring metal-cutting tools for wear, breakage, overload, processing depth and missing tool.



Benefits at a glance:

- **Monitoring system for open machine control system or standard PC systems**
- **Highly suitable for large and small lot production**
- **1 or 2 Profibus ports**
- **Up to 8 monitoring channels per card possible**
- **3 GENIOR cards deployable (4 currently being prepared)**
- **Evaluation of internal drive unit data (no installation of sensors required)**
- **Idling compensation enhances monitoring reliability**
- **Optimum monitoring adjustment through use of graphic display**
- **Intuitive user interface with graphic adjustment**
- **Automatic parameter adjustment**
- **Scalable range of functions**
- **PLC data viewer**

GENIOR functionality

The monitoring system is primarily integrated within NC systems. The system analyzes process data. If deviations in the default data occur, an alarm signal is set while at the same time the signal characteristic is displayed on the machine control monitor. The process data for spindles and feed axes is acquired from the drive unit regulators as torque values.

Depending on the control, the data query is carried out in a compile cycle, in a PLC data module or as a synchronous action.



genior

System requirements

- PC with enough available PCI slots
- Computer capacity 1 GHz, 256 MB of RAM
- Windows XP (SP1)
- 50MB of available memory on the hard-disk
- Profibus

Scope of delivery

- GENIOR card
- CD with manuals
- Software on CD
- ELF file
- GSD files
- Sample configurations