

CTM V4**Process Protection Process Optimisation****The new option: easy to configure monitoring system****Now:**

- **Easy of operation**
- **Minimum instruction and training expenditure**
- **Monitoring quality even more extensive**
- **Best process protection**
- **Best visualisation of the process**
- **Optimum process observation and analysis**
- **Automatic dynamic adaptation of the monitoring process**

ARTIS CTM system V4

Operational use

The CTM (Computer integrated Tool and Machine monitoring) system can be used to monitor processes, tools and machine conditions efficiently. Although the system is operated and observed via the operator panel of the machine control system, it functions otherwise on a completely autonomous basis.

 **ctm v4**



Extended range of features

- Self-adjusting system for tool monitoring
- Minimum optimisation work for the machine operator
- Intuitive, easy operation using a few keys
- Intervention directly performed on the visualisation display
- Monitoring of overload conditions, tool breakage and missing tool
- Easy updating option for existing CTM systems
- For complex machining processes access to further monitoring methods

Extended functions

- Automatic selection of limit values
- Automatic segmentation of the process
- Automatic adaptation to process variations
- Automatic adaptation following a tool change
- Automatic alarm correction
- Compensation of variations by multiple learning
- Dynamic top and bottom breakage limits
- Tool-specific presetting already in the setup phase
- Use of all well-known sensors