

Condition Monitoring of the Machine Tool

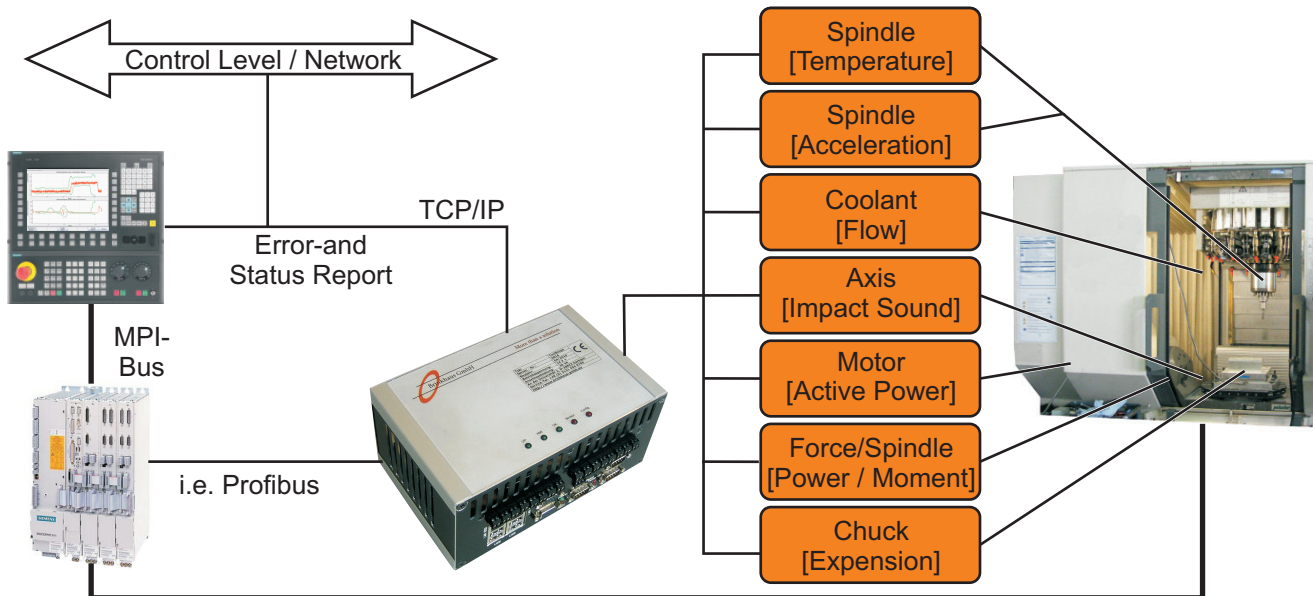
Example of Use

Condition Monitoring Systems detect changes on the machine or of the machine behaviour at a very early stage. This avoids major machine defects, saves production and maintenance can be scheduled in advanced.

Condition Monitoring reduces rejects and non-operation periods.

Due to the latest technology small, low cost sensors are available to recognise tight axes and spindles, defects on bearings and ball screws, imbalance on tools, collision, etc.

All sensor signals will be collected and analysed in the *ToolScope*-System. Sensors are linked and a detected fault will send an alarm to the control unit. This fault can also be sent to an internal network. The remote interface also enables monitoring of machines in other locations.



Highlights of the *ToolScope* Condition Monitoring System:

- Reduction of unscheduled non-operation periods
- Higher machine availability
- Better maintenance schedule
- Lower running costs due to less system malfunction
- Economise man power and parts