

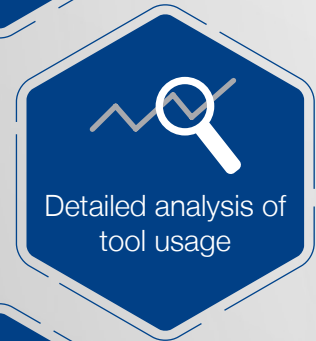
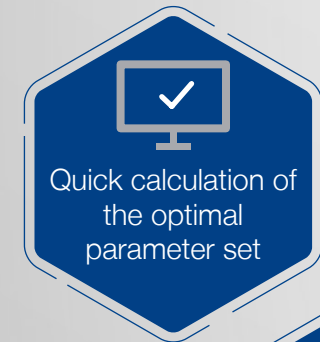
**Precision Machinery for Wire and Tube**

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**More Efficient Grinding  
of Spring Ends due to  
Simple Analysis and  
Optimization of the  
Spring End Grinding  
Process**



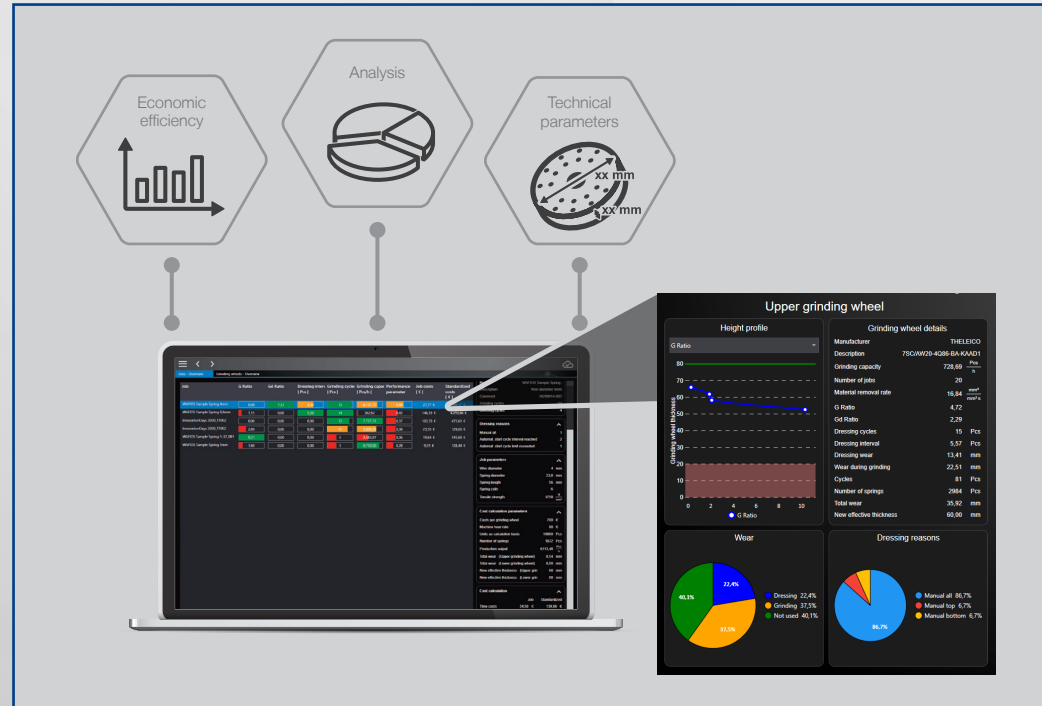
for  
spring end grinding machines



## Situation

- Currently, monitoring and optimizing the spring end grinding process is very time and work consuming and requires manual methods
- This results in reduced process data acquisition

## Solution



## Requirements

- OPC UA Interface
- Installed WAFIOS IoT system (machine gateway, etc.)
- Installed WAFIOS IoT suite
- Currently, the use of this **iQ** function only makes sense if data has been entered systematically (incorrect entries lead to incorrect evaluation)

- **iQsmartgrind** automatically collects data of spring end grinding processes and stores them in a database
- The data of your grinding jobs is available on demand and can be filtered as required
- All the relevant production data - also in comparison with other grinding jobs and grinding wheels - is clearly visualized
- The set-up parameters and grinding means used can be called up anytime
- The graphical visualization of data makes it easier to find the optimum settings