

GÜHRING

**PROCESS
DATA
ANALYSIS**



Record, analyse and solve complex machining problems
by means of a comprehensive process data analysis using GTMS.

OVERVIEW

OF THE PERFORMANCE OF PROCESS DATA ANALYSIS USING GTMS

The deep lying causes of complex machining problems are often difficult to uncover using traditional methods. This means that hidden problems and the associated potential economic and technical improvements often remain undetected.

HOW DOES THE PROCESS DATA ANALYSIS WORK?

Thanks to a comprehensive view of the machining process and the documentation of the process-related machining data, the process data analysis using GTMS (Gühring Tool Management Software) can record & analyse these hidden influencing factors.

Performance data is tapped directly at the machine control via an Ethernet interface or a serial adapter and immediately displayed graphically and evaluated by means of the additional module GMCC (Gühring Machine Control Center).

WHEN IS THE PROCESS DATA ANALYSIS USED?

Process data analysis often helps customers who are faced with economic, quality or production-related challenges, who operate in series production or, for example, are planning new machine purchases.

WHAT ADVANTAGES DOES IT OFFER?

The identification of complex problems as well as a detailed consideration of all influencing factors lead to an enormous increase in quality and productivity and help the customer to optimise production processes and thus save process costs. The digital fingerprint of the machining process also helps to identify and solve future problems easily and quickly.

GUHRING



THE PROCESS IN FOUR STEPS



INITIAL CONTACT

- Is there a complex machining problem?
- Does your customer have economic or quality problems?
- Is your customer having problems with a machine/tool?
- Is your customer is breaking new ground with new challenges?
- Is your customer a mass producer?

Please do not hesitate to contact us:

Uwe Reich Team Manager in Logistics Systems Sales
uwe.reich@guehring.de | T: +49 7431 17 25573



ANALYSIS

- Comprehensive view of the machining process
- Documentation of process-related machining data using GTMS
- Recording & analysis of hidden performance factors
- Recordable performance data vary depending on the existing control type of the machine

Up to 24 different parameters are analysed & graphically displayed



EVALUATION

- Data is evaluated
(Tool, workpiece, clamping, machine, vibrations, etc.)



SOLUTION

- Increase in quality and productivity
- Optimisation of production processes
- Saving process costs
- „Digital fingerprint“ as a predictive aid