



SERVICES

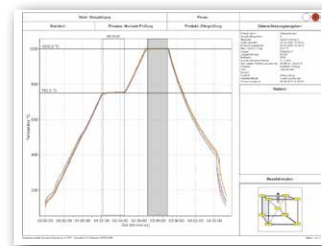
Temperature uniformity measurement

QUALITY AND PROCESS
VERIFICATION FOR YOUR PLANTS

Reliability with a system!

Satisfying the greatest quality demands

- A prerequisite for production with consistently high quality is process uniformity.
- Temperature fluctuations in the heat treatment plant:
 - can have serious impact on the heat treatment process.
 - and cause increased ejection of the hardening stock.
- Specification of the CQI-9: Measure temperature uniformity (TUS) 1 x annually and after process-relevant repairs (maintenance, masonry).
- Measure using:
 - Trailing elements.
 - Continuous-pass, so-called furnace tracker systems.
- The quality and the corresponding quality verification of test equipment (thermo-/trailing elements, furnace-trackers) must be observed.



Temperature curve in the furnace

The AICHELIN solution

- Modern 10-channel furnace tracker system with and without transmission by radio telemetry.
- Use of factory-calibrated thermocouples.
- Suitable for continuous pass measurement or measurement with trailing elements.
- Up to 9 hours of dwell time at a temperature of 950° Celsius.
- Annual calibration of the furnace tracker system.

Customer benefits

- For use with radio telemetry:
 - Following the process on the monitor.
 - Analysis in real time.
- Rapid error detection.
- Notes on problem causes and problem areas, higher product throughput and lower costs.
- Verification of consistent product quality.
- Verification of process monitoring required by CQI-9.
- Verification of a reproducible heat treatment process with the highest quality.
- Easy budget planning thanks to our fixed price, including measuring equipment per measurement with furnace tracker system (trailing element measurement by request).
- Use of furnace tracker systems in connection with thermal barriers (heat protection tank).
- Thermal barriers on standby for most heat treatment plans and processes.

Our unique selling point

- High level of process know-how combined with the experience of the system manufacturer.

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AICHELIN
Service

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MS/5/Sept. 2014/E