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Development and application of measurement systems in forging process

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The development and application of measurement systems in forging process play a crucial role in optimizing production efficiency, ensuring product quality and reducing operational costs.

This presentation will discuss the development over time of various measurement technologies implemented in our forging shop and explore potential future improvements. It will highlight the evolution of measurement systems used to monitor key parameters during the hot forging process, focusing on both the advancements in accuracy and the integration of new technologies. The presentation will cover the challenges faced in adapting these systems to high temperature environments and the impact of these innovations on production efficiency, product quality and process control.

Additionally, we will examine ongoing research and potential future development aimed at further enhancing measurement capabilities with a particular emphasis on automation and real time data analysis. Attendees will gain a deeper understanding of the continuous improvements in measurement technologies and their role, also thanks to the practical applications of the systems, in shaping the future of forging processes.

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