



Ensuring mass production quality in real time with AI



“This technology enables us to assess the quality of components the moment they are produced, without measuring each one individually.”

Suguru Ohba, Manager, DX Planning, Manufacturing Engineering Management Department, Manufacturing Division, SUBARU Corporation

All parts quality-assured in real time using IoT and AI technologies

Challenge

To maximize the benefits of the shift to smart factories utilizing IoT and AI, there was a need to further improve quality assurance technology for component machining processes.

Solution

High-accuracy AI modeling for camshaft grinding quality assurance with a dedicated system for AI model lifecycle management.

Outcomes

- Consistently high quality of mass-produced camshaft components.
- Reduction of production line downtime and grinding process waste materials and parts.
- Development of a quality assurance system that can potentially be applied to a wide range of other manufacturing processes.



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