

Predictive quality**Optimize your machining process**

Wear and remaining useful life
prediction of tools in machi-
ning coupled with real-time
visualization

Technology

Sensor box (PredictiveBoX) for vibration measurement and AI-based prediction, real-time process visualization with CuttingEdge World

Customer benefits

- Optimal tool utilization
- Reduced down-time and real-time quality control
- Increased safety and improved plannability
- Secure, highly available industrial IoT

Technical advantages

- Easy, retrofittable one-time installation
- No speed limitation and high sampling rates at 256 kHz
- Endless running time and no battery operation
- Visualization possible on edge, on server, or via digital platform



Predictive quality

Application fields

Optimization of machining processes

Predictive quality control

Retrofitting existing machinery

Industry 4.0 and smart manufacturing

Contact and further information

Business Unit Industry
sales@ims.fraunhofer.de

Fraunhofer Institute for Microelectronic
Circuits and Systems IMS
Finkenstraße 61
47057 Duisburg
www.ims.fraunhofer.de/en.html



In collaboration with **»CuttingEdge
World«**. A service offered by **inno-focus
digital gmbh**.

