

24 September 2026 | 10.30 – 11.15

Cutting Tool Strategies for Precision and Process Performance

High-Precision Machining Under Control

In precision manufacturing, achieving consistent machining performance requires more than advanced machine tools. Cutting tool selection and application strategy play a critical role in ensuring process stability, dimensional accuracy, surface quality, and overall production efficiency.

This session explores how cutting tool engineering can help manufacturers improve process control, reduce variability, and achieve more predictable machining performance. Participants will discover practical approaches to optimizing tooling strategies and addressing common machining challenges in demanding production environments.

Key topics include:

- How tool geometry influences machining stability and cutting performance
- Selecting the right tool grade and coating technology for different materials and machining conditions
- Strategies for reducing vibration, chatter, and thermal-related machining issues
- Improving dimensional accuracy and surface finish consistency
- Minimizing process variability and increasing production confidence
- Using real production data to diagnose machining challenges and optimize process performance

Featured Industry Experts:

Technical specialists from **TaeguTec** and **Tungaloy** will share practical insights, application experience, and proven approaches to improving machining performance in real manufacturing environments.

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Recommended for:

- Process Engineers
- Production Engineers
- Manufacturing Engineering Managers
- Technical Decision Makers



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