

25 September 2026 | 10:30 – 12:00

Mastering 5-Axis Strategy for High-Mix and Ultra-Precision Manufacturing

As manufacturers face increasingly diverse and complex production requirements, 5-Axis Machining is becoming more than a machine capability. It is increasingly part of a broader manufacturing strategy that connects technology selection, process planning, production flexibility, and long-term system development.

This session explores how manufacturers can evaluate and develop 5-Axis strategies based on their production requirements—from understanding the differences between 5-Axis, 3+2, and 4+1 machining approaches to evaluating technology, CNC control, and system integration for High-Mix Manufacturing, Automation, and Ultra-Precision applications.

What You Will Learn

- How to select the right 5-Axis technology for different parts and manufacturing requirements
- The differences between 5-Axis, 3+2, and 4+1 machining approaches and where each can fit
- The role of CNC control and related technologies in overall machining performance
- How 5-Axis can support High-Mix and Flexible Manufacturing
- Key considerations for applying 5-Axis technology to Ultra-Precision Manufacturing
- How to develop a 5-Axis manufacturing system that is ready for Automation and future production expansion

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