



5axissummit.com



# 2025 5-AXIS SUMMIT AGENDA

**YOUR PREMIER 5-AXIS  
MANUFACTURING EVENT**

Register at [5axissummit.com](https://5axissummit.com)

**SEPT. 9 - 11  
10 AM - 6 PM**

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HERMLE USA  
5100 W FRANKLIN DR  
FRANKLIN, WI 53132



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## WHAT TO EXPECT



### TECH PRESENTATIONS AND KEYNOTES

Gain valuable insights across three days of expert-led panels and keynote sessions focused on advanced manufacturing excellence.



### MACHINE DEMONSTRATIONS

Witness a world-class lineup of HERMLE 5-Axis Machine and automation demonstrations.



### HERMLE PARTNER EXHIBITION

Engage with nearly 40 premier exhibiting partners to understand advancements across all elements of the complete manufacturing process.



### UNPARALLELED HOSPITALITY

Indulge in extraordinary German cuisine and quench your thirst with some of the world's most well-known German beers.



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## PRESENTERS AND KEYNOTE SPEAKERS

From mastering measuring systems and predefining machine cycle challenges to maximizing the advantages of artificial intelligence - we've assembled a lineup of presenters that manufacturing professionals in every industry can learn from to propel operations to new heights.



### DR. JENS KUMMETZ

HEIDENHAIN  
HEAD OF APPLICATIONS  
DEVELOPMENT



### DOMINIK FLAD

HERMLE AG  
APPLICATION ENGINEER



### SCOTT HARMS

METALQUEST  
PRESIDENT



### CHRISTIAN BRUNNER

EMUGE-FRANKEN  
BUSINESS & APPLICATIONS  
DEVELOPMENT



### DR. GUILHERME MALLMANN

BLUM  
SOFTWARE DEVELOPMENT  
MANAGER



### RHYS ANDERSON

METHOD MANUFACTURING  
CEO



### BILL VANOEFFELN

MOLDINO  
TECHNICAL APPLICATION  
ENGINEER



### MIKE LAURENDEAU

CARON ENGINEERING  
NATIONAL SALES MANAGER



### LEE VAN EVERY

TEBIS  
PARTNER ACCOUNT MANAGER



### TAKURO SATO

MOLDINO  
TECHNICAL APPLICATION  
MANAGER



### DANIEL WEBER

HERMLE AG  
INTERNATIONAL SALES  
MANAGER



### ELIZABETH MITTAG

BRUKER ALICONA  
GLOBAL KEY ACCOUNT AND  
PARTNER MANAGER



### DR. JOSEF KOCH

OPEN MIND  
CHIEF TECHNICAL OFFICER



### FRANK KELLER

HERMLE AG  
AUTOMATION & TECHNOLOGY  
SALES DIRECTOR



### TERRY KASPER

FCS USA CORP  
SALES MANAGER USA



### TBD

SIEMENS  
TBD



### ROB WILSON

CAVALIER TOOL  
MAINTENANCE MANAGER



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## DAY 1 - TUESDAY, SEPT. 9

### SUCCESSFUL TRANSITION TO 5-AXIS MACHINING

**DR. JENS KUMMETZ, HEIDENHAIN**

Join Dr. Kummetz for an expert overview of transitioning from 3-axis to 5-axis CNC machining, featuring real-world insights, key strategies, and a preview of upcoming developments in the TNC7 over the next few years.

**11:00 AM - 11:30 AM**

### MACHINING AEROSPACE MATERIALS

**CHRISTIAN BRUNNER, EMUGE-FRANKEN**

Explore machining strategies for aerospace materials, focusing on tool performance, process optimization, and material challenges. Discover proven solutions to increase precision, productivity, and reliability in aerospace environments.

**11:45 AM - 12:15 PM**

### LUNCH

**KEGEL'S INN**

Festival Style Service: Pretzel, Currywurst and Chips, Oktoberfest Brat with Chips, German Potato Salad, German Chocolate Cake

**12:30 PM - 1:30 PM**

### AI IN *hyper*MILL: WHAT'S REAL, WHAT'S NEXT?

**DR. JOSEF KOCH, OPEN MIND**

Explore practical AI applications in CAM, while clarifying the difference between AI and automation. Address its role in solving workforce shortages and boosting productivity. Two real-world examples will highlight AI's emerging impact.

**1:45 PM - 2:15 PM**

### HERMLE GEN2 PROCESS INTEGRATION

**DOMINIK FLAD, HERMLE AG**

Dive into GEN2 machine advancements, emphasizing seamless process integration. The presentation highlights how the machine's technological structure successfully applies to grinding, power skiving, broching, and other new technologies.

**2:30 PM - 3:00 PM**

### MOTION CONTROL: MAKING THE FIRST PART THE FINAL PART

**DR. JENS KUMMETZ, HEIDENHAIN**

Explore advanced motion control strategies that eliminate trial cuts - helping manufacturers achieve **first part / final part** accuracy, efficiency, and confidence in 5-axis machining from the very first cycle.

**3:15 PM - 3:45 PM**

### RELEVANCE OF PROCESS MONITORING IN CRITICAL SECTORS

**DR. GUILHERME MALLMANN, BLUM**

Process monitoring ensures precision, safety, and compliance by detecting deviations in real time, reducing defects, and supporting quality assurance. Maintain high standards, optimize performance in these highly regulated industries.

**4:00 PM - 4:30 PM**

### ROBOTS AND HANDLING SYSTEMS

**DANIEL WEBER & FRANK KELLER, HERMLE AG**

Explore how the HERMLE HS flex hybrid handles a diverse setup procedure. Learn how the HERMLE lineup of Robot Cells will drive your automation into the future of advanced manufacturing.

**4:45 PM - 5:15 PM**

### PANEL: REAL-WORLD AUTOMATION INTEGRATION FOR MODERN MANUFACTURING

**SCOTT HARMS, METALQUEST | ROB WILSON, CAVALIER TOOL & MANUFACTURING | RHYS ANDERSON, METHOD MFG**

This discussion will focus on practical insights into implementing automation not just as an add-on, but as an OEM-integrated solution that drives precision, repeatability, and efficiency.

**5:30 PM - 6:00 PM**



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## DAY 2 - WEDNESDAY, SEPT. 10

### SUCCESSFUL TRANSITION TO 5-AXIS MACHINING

**DR. JENS KUMMETZ, HEIDENHAIN**

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**11:00 AM - 11:30 AM**

### MACHINING AEROSPACE MATERIALS

**CHRISTIAN BRUNNER, EMUGE-FRANKEN**

Explore machining strategies for aerospace materials, focusing on tool performance, process optimization, and material challenges. Discover proven solutions to increase precision, productivity, and reliability in aerospace environments.

**11:45 AM - 12:15 PM**

### LUNCH

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Festival Style Service: Pretzel, Currywurst and Chips, Oktoberfest Brat with Chips, German Potato Salad, German Chocolate Cake

**12:30 PM - 1:30 PM**

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**DR. JOSEF KOCH, OPEN MIND**

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**1:45 PM - 2:15 PM**

### THE LAST MICRON

**DOMINIK FLAD, HERMLE AG**

Chasing the last micron means mastering every aspect of machining—from thermal stability to toolpath strategy. On a 5-axis machine, it's a high-stakes balance of precision, control, and consistency to achieve near-zero deviation.

**2:30 PM - 3:00 PM**

### THE IMPORTANCE OF DECIMAL PLACES AND POINT DISTRIBUTION

**DR. JENS KUMMETZ, HEIDENHAIN**

Explore how decimal precision and optimal point distribution impact surface quality and accuracy—revealing how to unlock the full potential of today's advanced CNC controls for high-performance 5-axis machining.

**3:15 PM - 3:45 PM**

### RELEVANCE OF PROCESS MONITORING IN CRITICAL SECTORS

**DR. GUILHERME MALLMANN, BLUM**

Process monitoring ensures precision, safety, and compliance by detecting deviations in real time, reducing defects, and supporting quality assurance. Maintain high standards, optimize performance in these highly regulated industries.

**4:00 PM - 4:30 PM**

### ROBOTS AND HANDLING SYSTEMS

**DANIEL WEBER & FRANK KELLER, HERMLE AG**

Explore how the HERMLE HS flex hybrid handles a diverse setup procedure. Learn how the HERMLE lineup of Robot Cells will drive your automation into the future of advanced manufacturing.

**4:45 PM - 5:15 PM**

### MASTERING MOLD MACHINING: CAM STRATEGIES FOR THE BIG AND COMPLEX

**LEE VAN EVERY, TEBIS**

TEBIS showcases advanced CAM programming techniques to tackle large, intricate mold geometries—emphasizing precision, surface quality, and efficiency in 5-axis machining for the most demanding tooling applications.

**5:30 PM - 6:00 PM**



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## DAY 3 - THURSDAY, SEPT. 11

### SUCCESSFUL TRANSITION TO 5-AXIS MACHINING

**DR. JENS KUMMETZ, HEIDENHAIN**

Join Dr. Kummetz for an expert overview of transitioning from 3-axis to 5-axis CNC machining, featuring real-world insights, key strategies, and a preview of upcoming developments in the TNC7 over the next few years.

**11:00 AM - 11:30 AM**

### TOOLING UP FOR TOUGHNESS: SOLVING CHALLENGES IN DIE & MOLD

**TAKURO SATO & BILL VANOEFFELN, MOLDINO**

Explore modern machining strategies for die and mold materials, tackling industry challenges driven by rising demands for accuracy, surface finish, and cost savings—within a highly competitive field still reliant on traditional practices.

**11:45 AM - 12:15 PM**

### LUNCH

**KEGEL'S INN**

Festival Style Service: Pretzel, Currywurst and Chips, Oktoberfest Brat with Chips, German Potato Salad, German Chocolate Cake

**12:30 PM - 1:30 PM**

### VISION TO REALITY: ACCELERATING THE PRODUCT LIFECYCLE

**TBD, SIEMENS**

SIEMENS explores how integrated digital solutions connect design, simulation, and production—streamlining the entire product lifecycle and empowering manufacturers to bring complex parts to life faster, smarter, and with greater precision.

**1:45 PM - 2:15 PM**

### SPINDLE PORTFOLIO GEN2

**DOMINIK FLAD, HERMLE AG**

Introducing the Spindle Portfolio Gen 2. Discover key differences between HSKA63 and HSKA100, application-specific spindle recommendations, and insights into tap testing and machine analysis.

**2:30 PM - 3:00 PM**

### ROTATIONAL SYMMETRICAL COMPONENTS MADE EASY

**DR. JENS KUMMETZ, HEIDENHAIN**

Explore how modern control features simplify the programming and machining of rotationally symmetrical components—boosting precision, reducing setup time, and streamlining complex 5-axis workflows.

**3:15 PM - 3:45 PM**

### ADVANCING WITH AUTOMATION: IDENTIFYING BEST-FIT TECHNOLOGY TO OPTIMIZE OPERATIONS

**MIKE LAURENDEAU, CARON ENGINEERING**

To stay competitive in today's fast-paced manufacturing landscape, automation is no longer optional—it's essential. This session will help you identify the right-fit automation tools for every stage of your machining process

**4:00 PM - 4:30 PM**

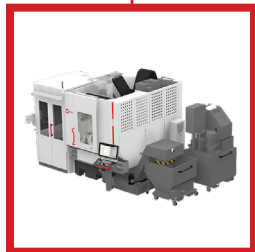


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## LIVE MACHINING DEMOS



### **C 12 U TNC7**

#### **RS 05-2**

GOLF PUTTER COMPLETE  
MACHINED ON BOTH SIDES AND  
AUTOMATED



### **C 42 U GEN2 TNC7**

AEROSPACE CONNECTING PANEL



### **C 22 U GEN2 TNC7**

FAN IMPELLER TOOL MOLD



### **C 42 U MT GEN2 SINONE**

TECHNOLOGY PART AND  
GRINDING APPLICATION



### **C 650 U GEN2**

#### **HS FLEX HEAVY**

BIG SEPP



### **C 42 U GEN2 TNC7**

#### **HS FLEX PREP**

FLUID ENGINEERING DEMO PART



### **C 250 U TNC7**

#### **HS FLEX HYBRID**

PERFORMANCE MILLING



### **C 400 U GEN2 TNC7**

AEROSPACE STRUCTURAL PART



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## OFFICIAL EXHIBITING PARTNERS

We proudly recognize our exhibiting partners whose innovations span the full spectrum of modern manufacturing. Their technologies showcase the diversity, advancement, and collaboration driving our industry forward—and are an essential part of the 2025 HERMLE 5-Axis Summit experience.



Bruker alicona



HEIDENHAIN



MITSUBISHI MATERIALS



SANDVIK coromant



SIEMENS



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## TRAVELING FROM OUT OF TOWN?

Whether you want easy access to the event by staying nearby or explore all that the City of Milwaukee has to offer, below is a list of hotels we recommend for you and your team.

### DOWNTOWN MILWAUKEE



#### KIMPTON JOURNEYMAN HOTEL

310 E Chicago St  
Milwaukee, WI 53202

Distance to event: 16 miles

Located at the heart of Third Ward district. Has a rooftop bar & restaurant with a city view. Quick walk to the Milwaukee Public Market.



#### THE PFISTER HOTEL

424 E Wisconsin Ave  
Milwaukee, WI 53202

Distance to event: 16 miles

Just three blocks from Lake Michigan & the Art Museum, this hotel includes 23rd-floor lounge with city and lake view.



#### ALOFT MILWAUKEE DOWNTOWN

1230 N Doctor M.L.K. Jr Dr  
Milwaukee, WI 53212

Distance to event: 17 miles

RiverWalk access. Across from the Fiserv Forum. Quick walk to restaurants, Third Ward district, and nightlife.

### NEAREST TO THE EVENT



#### AVID HOTEL OAK CREEK BY IGH

9293 South 13th Street  
Oak Creek, WI 53154

Distance to event: 4 miles

9 Minutes from the MKE Airport. 15 Minutes from Downtown. Close to a variety of restaurants, shopping, and parks.



#### HAMPTON INN & SUITES MILWAUKEE/FRANKLIN

6901 S 76th St  
Franklin, WI 53132

Distance to event: 6 miles

Right across from Luxe Golf Bays (Top Golf) and connected restaurants. 2 miles from the Southridge Mall. 2.5 miles from the Boerner Botanical Gardens. 2 miles from Whitnall Beer Garden and Whitnall Park Golf Course.



#### SLEEP INN & SUITES MILWAUKEE/FRANKLIN

6868 S Ballpark Dr  
Franklin, WI 53132

Distance to event: 6 miles



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**DON'T WAIT. BE PART OF THE FUTURE OF 5-AXIS MANUFACTURING.**

