



5axissummit.com



2025 5-AXIS SUMMIT AGENDA

**YOUR PREMIER 5-AXIS
MANUFACTURING EVENT**

Register at 5axissummit.com

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

HERMLE USA
5100 W FRANKLIN DR
FRANKLIN, WI 53132



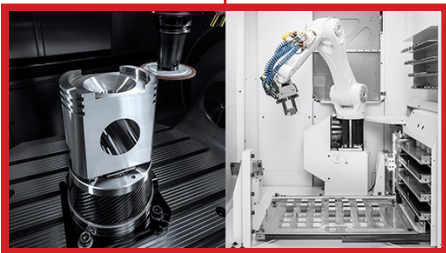
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WHAT TO EXPECT



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



RALF WEICKMANN

EMUGE-FRANKEN
BUSINESS & APPLICATIONS
DEVELOPMENT



DR. GUILHERME MALLMANN

BLUM
SOFTWARE DEVELOPMENT
MANAGER



RHYS ANDERSEN

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



DANIEL SCHIOPU

SIEMENS
HEAD OF MACHINE TOOL
USER SUPPORT



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

RALF WEICKMANN, 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

SUPPLY CHAIN RESILIENCE DUE TO 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

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

RALF WEICKMANN, 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 *hyperMILL*: 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

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. Discover what you need to know and do to achieve required tolerance and surface finish on more complicated modern die and mold shapes.

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

ACCELERATING CNC PART MANUFACTURING: EMPOWERING THE DIGITAL MACHINE SHOP

DANIEL SCHIOPU, SIEMENS

Seamlessly connect design, CAM, Digital Twin simulation and production to accelerate your entire machining lifecycle. Bring complex, 5-axis parts to market faster, smarter, and with unparalleled precision.

1:45 PM - 2:15 PM

PREDICT CRITICAL MACHINE STRESS USING THE HERMLE LOAD CALCULATOR INSIGHTS INTO THE SPINDLE PORTFOLIO GEN2

DOMINIK FLAD, HERMLE AG

Type in tool, material, and technology parameters, select your HERMLE machine and find out spindle utilization and mechanical machine stress. 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

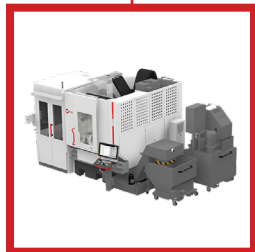


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LIVE MACHINING DEMOS



C 12 U TNC7

RS 05-2

GOLF PUTTER COMPLETE
MACHINED ON BOTH SIDES AND
AUTOMATED



C42 U GEN2 TNC7

AEROSPACE CONNECTING PANEL



C 22 U GEN2 TNC7

FAN IMPELLER TOOL MOLD



C42 U MT GEN2 SINONE

TECHNOLOGY PART AND
GRINDING APPLICATION



C 650 U GEN2

HS FLEX HEAVY

BIG SEPP



C42 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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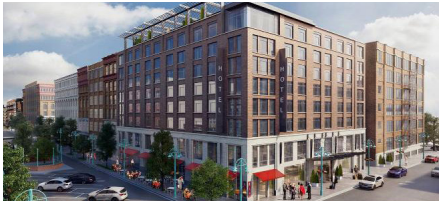


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TRAVELING FROM OUT OF TOWN?

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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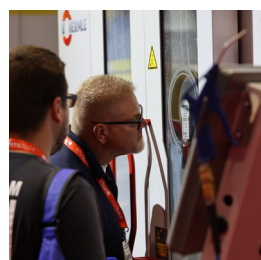
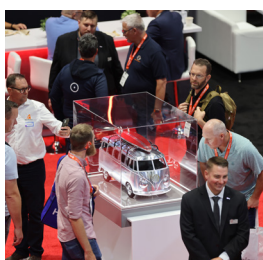
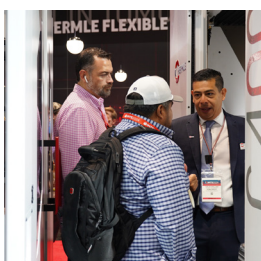
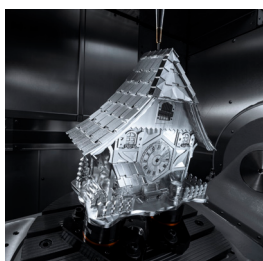
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SAVE YOUR SPOT TODAY!

DON'T WAIT. DISCOVER THE FUTURE OF 5-AXIS MANUFACTURING.



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