

EMO 2019

Booth overview / Messestandübersicht

Digitalization in Machine Tool Manufacturing –
Thinking further!

siemens.com/emo

Welcome to Siemens!

This year's EMO fair in Hanover on September 16 – 21 again stands under the banner of digitalization: It will transform the industrial production of machine tools by providing specific answers to the challenges faced by machine builders and users.

Ever-shorter time-to-market, faster product changes, higher quality, greater efficiency, and improved safety: Our holistic approach digitalizes the entire value chain from the design of the product or machine all the way to digital services and paves the way for achieving sustainable competitiveness.

As a partner to industry, we want to take the next step in the digital transformation of industry together with you and successfully shape the future of the machine tool industry.

Find machine tools with SINUMERIK at EMO
siemens.com/emo-ebooklet

Highlights



Bring ideas to life with SINUMERIK ONE – the Digital Native CNC
Mit SINUMERIK ONE – der digitalen CNC – Ideen zum Leben erwecken



Optimized processes with tailored edge and digitalization solutions
Optimierte Prozesse mit maßgeschneiderten Edge- und Digitalisierungslösungen



Future-proof CNC controls and processing technologies
Zukunftssichere CNC-Steuerungen und Bearbeitungstechnologien

Willkommen bei Siemens!

Auch dieses Jahr steht die EMO Messe vom 16.09. bis 21.09.2019 in Hannover wieder ganz im Zeichen der Digitalisierung: Sie wird die industrielle Stückfertigung an der Werkzeugmaschine verändern – mit spezifischen Antworten auf die Herausforderungen für Maschinenbauer und -anwender.

Immer kürzere Markteinführungszeiten, schnellere Produktwechsel, höhere Qualität, gesteigerte Effizienz, verbesserte Sicherheit: Unser ganzheitlicher Ansatz digitalisiert die gesamte Wertschöpfungskette beginnend bei Produkt- oder Maschinendesign bis hin zu digitalen Services und ebnet Ihnen den Weg zu nachhaltiger Wettbewerbsfähigkeit.

Als Partner der Industrie wollen wir den nächsten Schritt der digitalen Transformation gemeinsam mit Ihnen gehen und die Zukunft der Werkzeugmaschinenindustrie erfolgreich gestalten.

Finden Sie Werkzeugmaschinen mit SINUMERIK auf der EMO unter siemens.de/emo-ebooklet

SINUMERIK ONE – The Digital Native CNC

As an absolute highlight Siemens presents at the EMO the world premiere of the new controller generation **SINUMERIK ONE!** As the first "Digital Native CNC" it represents the core element for the digital transformation of the machine tool world.

The seamless interaction of virtual and real portfolio reveals not only new ways to maximize machine performance but also completely new business models.

Experience live how digital twins optimize machines and workpieces with Highlight Showcases at our booth and at many selected machine tool manufacturers.

siemens.com/sinumerik-one

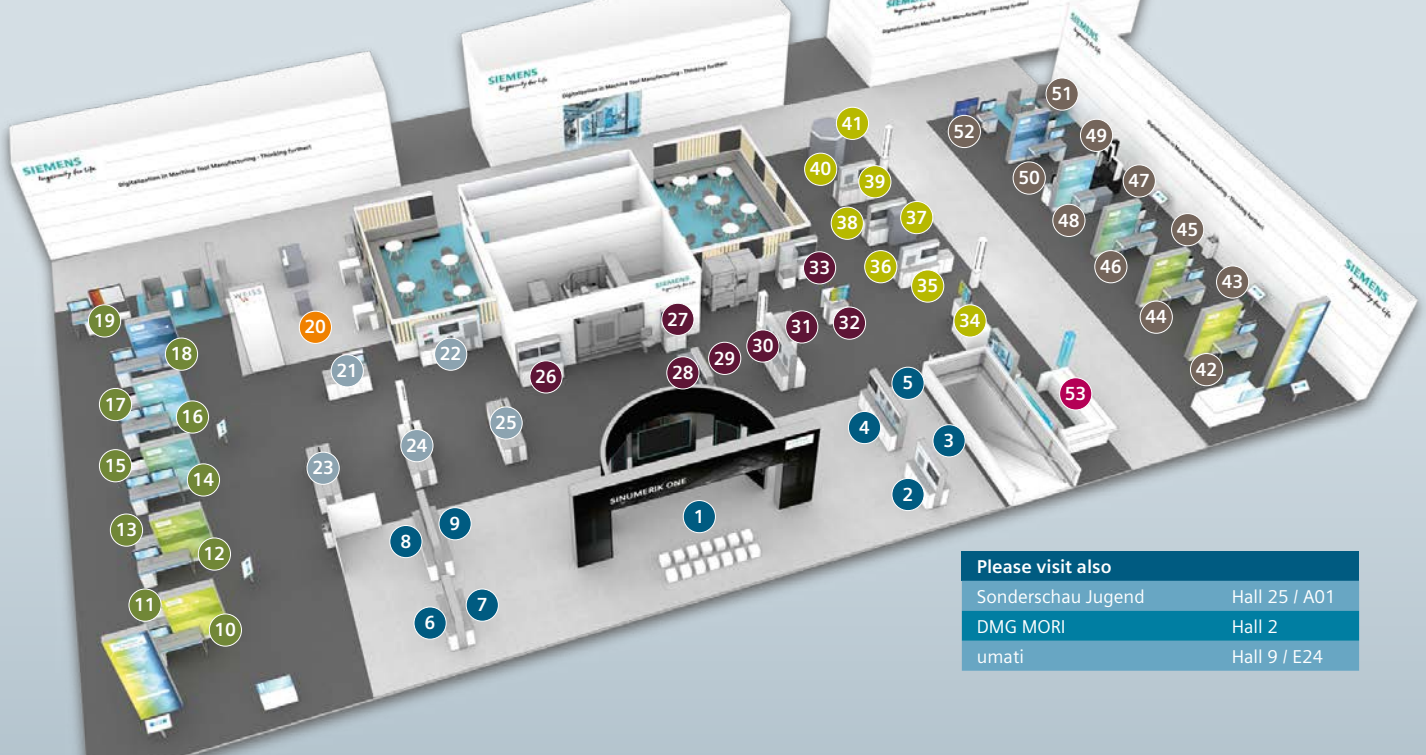


*Als absolutes Highlight präsentiert Siemens auf der EMO hautnah die Weltpremiere der neuen Steuerungsgeneration **SINUMERIK ONE!** Als erste „Digital Native CNC“ stellt sie das entscheidende Kernstück für die digitale Transformation der Werkzeugmaschinenwelt dar.*

Das nahtlose Zusammenspiel von virtuellem und realem Portfolio zeigt neue Wege zur Maximierung der Maschinenperformance sowie völlig neue Geschäftsmodelle auf.

Erleben Sie anhand von Highlight-Showcases auf unserem Messestand und bei vielen ausgewählten Maschinenherstellern live, wie durch Digitale Zwillinge Maschinen und Werkstücke optimiert werden.

siemens.de/sinumerik-one



Please visit also	
Sonderschau Jugend	Hall 25 / A01
DMG MORI	Hall 2
umati	Hall 9 / E24

Digitalization in Machine Tool Manufacturing – Thinking further!

SINUMERIK ONE

- 1 **SINUMERIK ONE** – Bring ideas to life with the digital native CNC
- 2 **SINUMERIK ONE** – The digital twin of machining – Digitalization Services
- 3 **SINUMERIK ONE** – Discover a new way of thinking with the digital twin of machining
- 4 **SINUMERIK ONE** – Maximize productivity through highest CNC and PLC performance
- 5 **SINUMERIK ONE** – Maximize productivity through efficient operation
- 6 **SINUMERIK ONE** – Innovate faster by a continuous engineering workflow
- 7 **SINUMERIK ONE** – Excite digitalization with the digital twin of automation engineering and Digitalization Services
- 8 **SINUMERIK ONE** – Innovate faster by reducing your commissioning time for safety
- 9 **SINUMERIK ONE** – Maximize productivity by holistic security and industrial communication

Machine Builder

- 10 **Machine concept** – Boosting productivity and efficiency by evaluating machine concepts
- 11 **Machine concept** – Optimize system performance from early design stages
- 12 **Machine engineering** – Speed up by integrating mechanical, electrical and automation engineering
- 13 **Machine engineering** – Use one engineering framework for highest efficiency
- 14 **Machine commissioning** – Shorten mechanical and electrical engineering by using the digital twin
- 15 **Machine commissioning** – Save time with the digital twin of HMI, PLC and NC projects
- 16 **Machine operation** – With the digital twin for machining, make the parts first time right – and faster
- 17 **Machine services** – Always know the state of your production
- 18 **Machine services** – Optimize machine settings for increased productivity and higher part quality
- 19 **MindSphere World** – The IoT community

Spindles for Machine Tools

- 20 **WEISS Spindeltechnologie GmbH** – a Siemens Company

CNC and Drive Systems

- 21 **SINUMERIK MC** – The open CNC for special manufacturing technologies
- 22 **Services** – Unlock the potential for higher machine availability
- 23 **SINUMERIK 808** – The entry-level CNC for basic machines
- 24 **SINUMERIK 828** – The compact CNC for standard mid-range machines
- 25 **SINUMERIK 840** – The high performance CNC for standard and high-end machines

Manufacturing Technologies

- 26 **5-Axis-Milling** – Discover a new way of thinking with the digital twin of machining
- 27 **Multitasking** – Shorter machining time and improved workpiece quality with SINUMERIK ONE
- 28 **Adaptive Control and Monitoring** – Maximize productivity
- 29 **Milling** – Shorter machining time and improved workpiece quality with SINUMERIK ONE
- 30 **Turning with SINUMERIK 828 and Multitasking with SINUMERIK 840** – Simplify programming and operation
- 31 **CNC Robotics** – High precision machining and handling
- 32 **Additive Manufacturing** – Efficient Multi-Axis programming with NX CAM
- 33 **Additive Manufacturing** – Achieve the full potential of the digital twin along the entire value chain

Edge and Digitalization Solutions

- 34 **Heller Profitrainer** – Increase your productivity by using digital twins
- 35 **Workpiece Quality** – Process data evaluation with Artificial Intelligence to ensure part quality
- 36 **Machining Speed** – Digital twin of performance maximizes output
- 37 **Process Stability** – Ensure machine uptime through prediction and prevention
- 38 **SINUMERIK Edge** – Create value with the digital twin of performance
- 39 **Resource Management** – Efficient and cost effective tool and part program handling
- 40 **Siemens Financial Services** – Financing the future of manufacturing
- 41 **Digitalization Services** – We digitalize your production and keep it running

Machine User

- 42 **Product design** – Seamless workpiece traceability
- 43 **Product design** – Deliver better products – faster and more efficiently
- 44 **Production planning** – Efficient work planning
- 45 **Production planning** – Increase planning efficiency and maximize resource utilization
- 46 **Production engineering** – Process-reliable job preparation
- 47 **Production engineering** – Drive efficient part manufacturing operations and deliver high-precision parts
- 48 **Production execution** – Achieve the highest productivity in complex part manufacturing
- 49 **Production execution** – Enable quality management with integrated data-driven process control
- 50 **Services** – Optimization of production processes and machine availability
- 51 **Services** – Digitally enabled services to reduce unplanned machine downtimes
- 52 **MindSphere Platform** – the cloud-based, open IoT operating system
- 53 **Information desk**