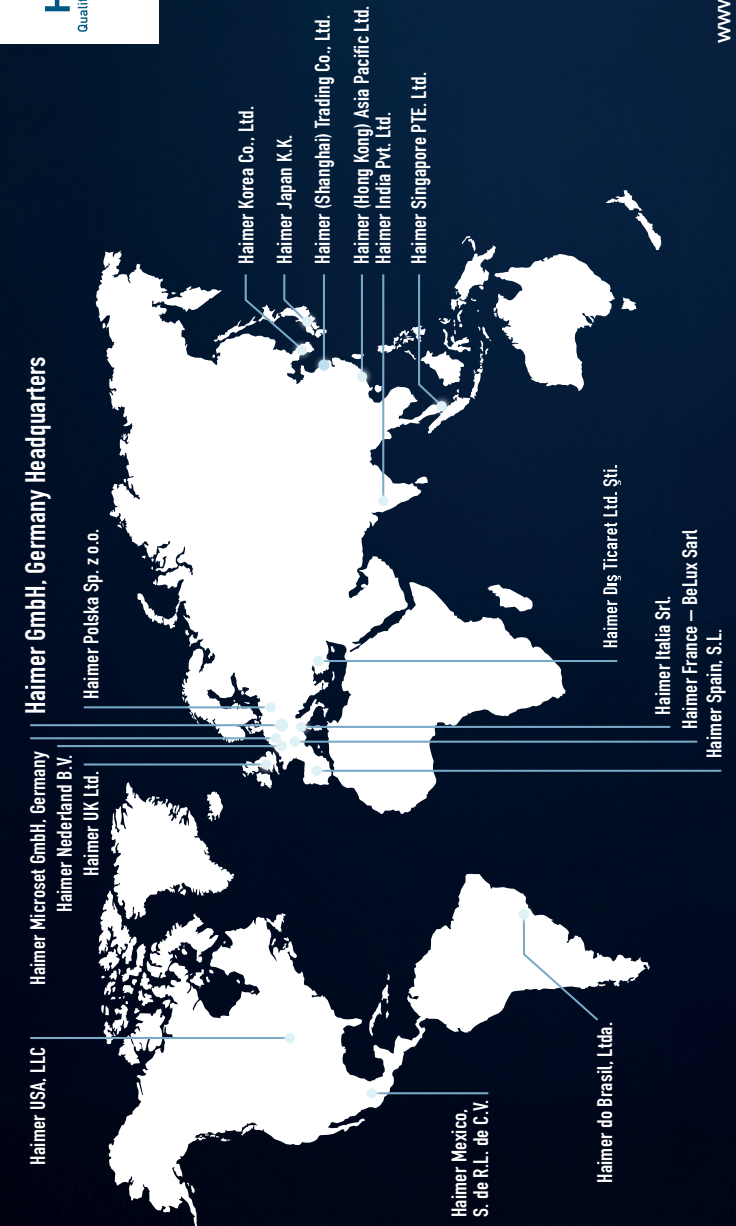


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TOOL ROOM OF THE FUTURE

AMB GUIDE
Hall 1 | Booth E50



ENGLISH

Welcome to HAIMER at AMB 2024 in Stuttgart!

HAIMER is known for quality and reliability for almost 50 years. We are the world's leading supplier of shrink fit, balancing and presetting technology. Furthermore, in addition to a variety of tool holders, the product range also includes a wide range of high-quality cutting tools and smart tool management. This enables us to offer a complete solution around the machine tool and always guarantee quality without any compromise. Every HAIMER product is manufactured at our German sites in Igenhausen and Bielefeld and bears the quality seal "Made in Germany" as well as "made by HAIMER".

HAIMER will be showing a variety of new products and solutions across all product segments at AMB Stuttgart 2024. This starts with the new Automation Cube One, goes to the new WinTool tool and data management system including the Toolbase smart vending machines (with fully integrated connectivity to the HAIMER machines) and ends with a multitude of new cutting tool and ground-breaking tool holding systems. We invite you to dive in to the depths of the HAIMER technology!



Highlights & Innovations – HAIMER @ AMB 2024

1 Tool Holders **new**

- **Hybrid Chuck:** World premiere and patented Hybrid Chuck technology for maximum vibration dampening with highest accuracy
- **Micro Collet Chuck:** High precision collet chuck for micro machining with best runout, Ø 1–6 mm, interfaces HSK-A63, HSK-A40, BT30 with face contact, PSC32 and PSC40
- **Unique ID code** for best digitization options – now included as standard on all HAIMER tool holders

2 Power Clamp i4.0 Shrinking Technology **new**

The **HAIMER Power Clamp i4.0 series** sets new standards with new software and possible connectivity to the **HAIMER Tool Room Manager (TRM)**. This enables digitized tool changing processes, the readout of shrink cycle times or menu guided shrinking to a given z value

3 Microset Tool Presetting Technology **new**

- **new AI enhanced autonomous measuring**
- **Microset VIO linear with Y-axis:** Gear Skiving option for precise measurement of gear skiving tools
- Measurement of tools with **H3D scan**, creation of a **digital twin** and **direct 3D simulation** on a CNC control
- Easy data transfer from the tool dispensing system **Toolbase** to the **HAIMER Microset** tool presetter
- Bidirectional data transfer from **WinTool** to **HAIMER Microset** tool presetter

4 HAIMER Automation Cube One **new**

Stable, automated shrinking and presetting cell with 12 axis for high-precision shrinking, measuring of tools and data transfer to the machine tool in 24/7 operation

- Possibility to change three different spindle interfaces and tools up to Ø 32 mm simultaneously
- Fully automatic tool change in 2-3 minutes in chaotic order

5 Tool Dynamic i4.0 Balancing Technology **new**

- **new TD Preset Automatic Drive:** Combination machine for balancing and fully automatic measuring in three axes as Automatic Drive version
- Connection to HAIMER Tool Room Manager possible
- Automatic index measuring by gripper

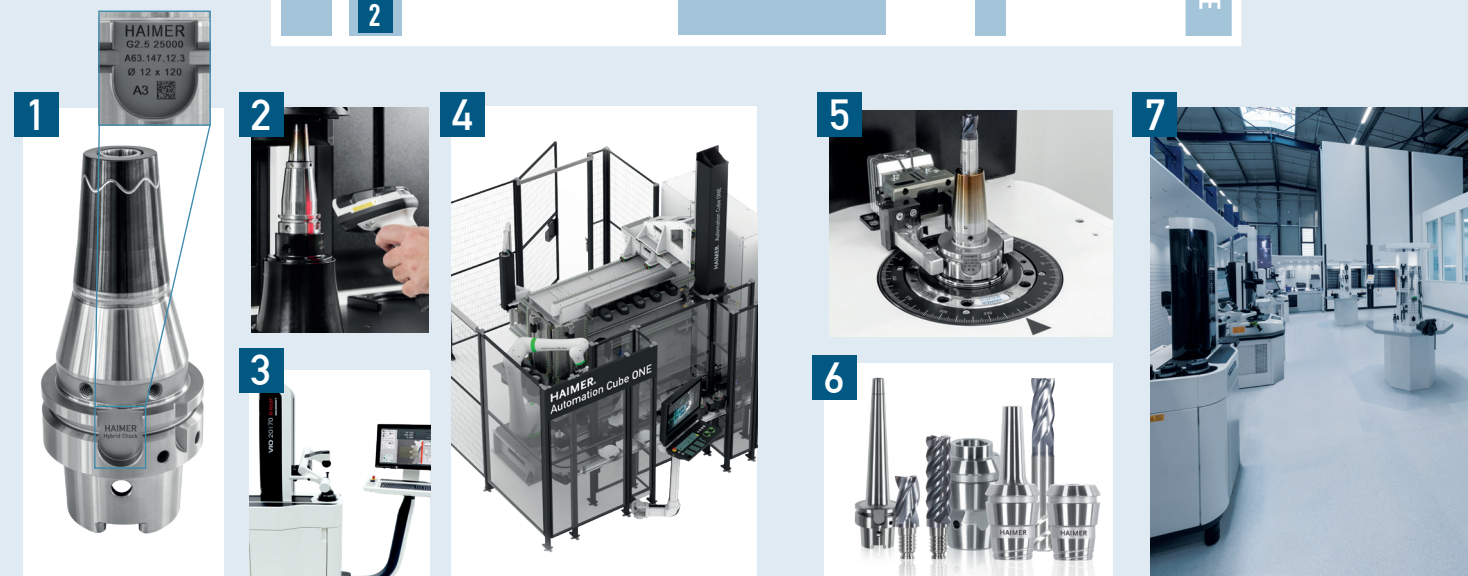
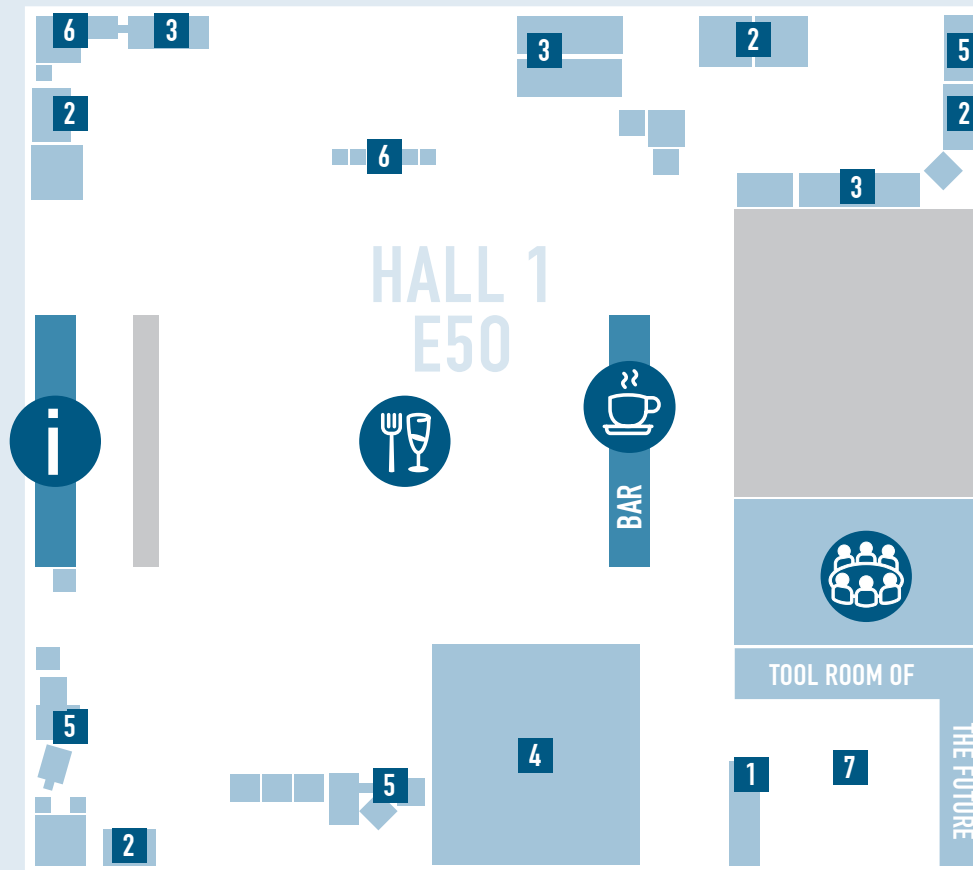
6 Cutting tools, Duo-Lock & shrink fit collets **new**

- **new HAIMER Panther MILL:** New geometry for vibration-free milling, more stability and better surface finish in steel machining
- **Duo-Lock:** Easy use in driven tools with fast and high-precision tool change.
- **Shrink collets:** Program from ER 11 to 32 in various lengths

7 TOOL ROOM OF THE FUTURE **new**

Continuous analog and digital tool setup process from a single source from HAIMER:

Starting with the HAIMER tool holders and cutting tools as well as the Toolbase dispensing system, the WinTool data hub manages and transfers tool data, operational materials, machine programs, processes and master data digitally all the way through to the machine tool control. For the analog set-up process, the HAIMER Power Clamp, Tool Dynamic and Microset machines play a central role while they are digitally connected online via the HAIMER Tool Room Manager.



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