



ph HORN ph



HORN TECHNOLOGY DAYS



EXPLORE HORN

Welcome to the HORN TECHNOLOGY DAYS 2025.

You can expect a varied programme of specialist lectures and live demonstrations from a range of fields, a dialogue on equal terms, live machining on selected machines, impressive exhibits and insights into our production with maximum freedom of movement.

Various partner companies will also be attending the HORN Technology Days. Our speakers and experts are looking forward to exchanging ideas with you.

A special exhibition by Horn Hartstoffe GmbH on the topic “From powder to the finished blank” offers you exciting insights into the production of our cutting inserts.



Markus Horn
CEO



Matthias Rommel
CEO

Do you have any questions?

Our team at the information points are always happy to help.

FACTS ABOUT THE HORN TECHNOLOGY DAYS

- The HORN TECHNOLOGY DAYS are open daily from 8.00 a.m. - 5.00 p.m. and on Friday from 8.00 a.m. - 3.00 p.m.
- 6 technical presentations with live machining and moderated live demonstrations.
- Final presentation, of the German Federal Ministry of Education and Research projects Trans AI and MetaLearn, together with HORN (Thursday 15th May 2025 - German language only).
- Special exhibition by HORN Hartstoffe GmbH on the topic - from powder to the finished blank.
- Self guided tour of our production areas in plants 1 and 2.
- Numerous exhibits from a range of customer industries.
- Exhibitions of our partner companies.
- Transfer between the plants 1 and 2:
(Departure/arrival at the main entrances)
Departure times from Plant 1 = xx:00 und xx:30
Departure times from Plant 2 = xx:15 und xx:45
- Catering in the plants and at various food trucks.
- Please note: Photography is not allowed – During the event, our HORN photographer will take pictures and then publish them (print and online).
- Free WiFi in the different plants.

PROGRAMME

TURN-MILLING

The solution for long-chipping materials

- Turn-milling – what are the strengths of this process
- Correct positioning of tool and workpiece
- Determining the cutting data
- Successful implementation of targeted programming

9:15 a.m.

Room D / Plant 2

Todd Schneider (USA)

Moderated live demonstration

Plant 2 / Area ⑤

10:00 a.m and 1:00 p.m.

ALUMINIUM PROCESSING

Machining aluminium with rotating PCD tools

- The market and its trends
- Efficient machining with HORN standard tools
- Special tools as standard - practical examples
- A comparison between HSC milling and drilling

10:15 a.m.

Room D / Plant 2

Chris Smith (UK)

Moderated live demonstration

Plant 2 / Area ②

11:00 a.m. and 2:45 p.m.

PROGRAMME

GROOVING - PARTING OFF - PROFILING

Use cutting tools economically and effectively

- Features of HORN's efficient grooving tools
- Targeted cooling at the cutting edge
- Parting off via the Y-axis
- Profiling of complex contours

11:15 a.m.

Room D / Plant 2

Alex Brown (UK)

Live machining

Plant 1 / Demonstration centre

INTERNAL MACHINING

Internal machining of small bores with high process reliability

- Small hole machining challenges
- Development of chip shape geometries using simulation
- Standard solutions from HORN
- Realisation of customer specific tasks

12:45 p.m.

Room D / Plant 2

Brian Lieving (USA)

Moderated live demonstration

Plant 2 / Area ⑤

10:00 a.m. and 1:45 p.m.

PROGRAMME

PRODUCT CONFIGURATION

From idea to tool – taking Greenline further

- Successfully reducing delivery times with the „HORN Tool Configurator“ (HTC)
- End-to-end control and linking of processes – tool manufacture in record time
- Automated generation of grinding programs for the production of carbide inserts

1:45 p.m.

Room D / Plant 2

Damon Wherry (USA)

Meet our experts in the area „Digital solutions“

HORN x AI

From researching our own production to predicting the life of our customers' products

- Artificial intelligence in industrial applications
- Optimisation of tool life at HORN
- Tool life prediction for cutting tools

2:45 p.m.

Room D / Plant 2

Steve Kilpin (UK)

Meet our experts in the area „Digital solutions“

SPECIAL PROGRAMME - 15.05.2025

HORN AND THE PROJECT PARTNERS

Final presentation on the subject "TransAI"

Funded project of the Federal Ministry of Education and Research

Thursday 15.05.2025 (in German only)

10:00 a.m.

Room C / Plant 1

Meet our experts in the area „Digital solutions“

HORN AND THE PROJECT PARTNERS

Final presentation on the subject "MetaLearn"

Funded project of the Federal Ministry of Education and Research

Thursday 15.05.2025 (in German only)

2:00 p.m.

Room C / Plant 1

Meet our experts in the area „Digital solutions“

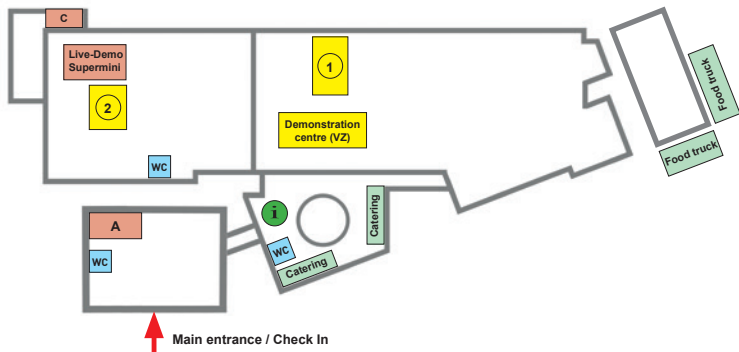
HORN TRAINING CENTRE

Area ④ / Plant 1

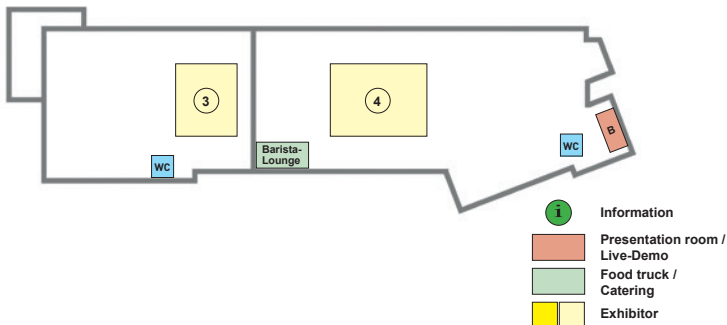
- Insight into our training centre, including machinery
- Guided tour of our 1,200 m² apprentice training centre
- Trainers and apprentices on site
- Short presentations: apprenticeships and studies at HORN
- Exciting exhibits and tools in action

PRESENTATIONS (GERMAN) AND EXHIBITORS PLANT 1 - GROUND FLOOR / 1. FLOOR

Ground Floor, Exhibitor area ① and ②



1. Floor, Exhibitor area ③ and ④



PRESENTATIONS (GERMAN) AND EXHIBITORS PLANT 1 - GROUND FLOOR / 1. FLOOR

Ground Floor, Exhibitor area ① and ②

| | | | |
|----|---|---|------------------------------|
| VZ | Ernst Graf GmbH | 2 | Schreurs Tools GmbH |
| | INDEX-Werke GmbH & Co. KG Hahn & Tessky | | EMAG Maschinenfabrik GmbH |
| | HPM Technologie GmbH | | Tyrolit - Schleifmittelwerke |
| | Kistler Instrumente GmbH | | Swarovski AG & Co K.G |
| | SolidCAM GmbH | | |
| 1 | BMBF TransKI Gemeinschaftsstand | | |
| | Riegger Diamantwerkzeuge GmbH | | |
| | Carl Benzinger GmbH | | |
| | Häberle Feinmechanik CNC-Technik GmbH | | |
| | FANUC Deutschland GmbH | | |
| | Boehlerit GmbH & Co. KG | | |
| | Citizen Machinery Europe GmbH | | |

10:00 a.m. Raum C "TransAI" → on 15.05. (in German only)

2:00 p.m. Raum C "MetaLearn" → on 15.05. (in German only)

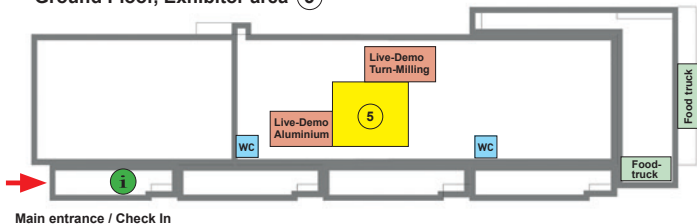
1. Floor, Exhibitor area ③ and ④

| | |
|------------|--|
| 3 | K.R. PFIFFNER AG |
| | Rosenberger Hochfrequenztechnik GmbH & Co.KG |
| | Elbo Controlli NIKKEN // NIKKEN Europe GmbH |
| | Haimer GmbH |
| | heimatec GmbH |
| | HORN / eShop / HORN Tool Configurator (HTC) |
| | MetaLearn (BMBF) |
| | neogramm GmbH |
| | soffico GmbH |
| RIMIT GmbH | |
| 4 | Nachwuchsstiftung Maschinenbau gGmbH |
| | WEILER Werkzeugmaschinen GmbH |
| | KUNZMANN Maschinenbau GmbH |
| | DHBW Engineering Stuttgart e.V |

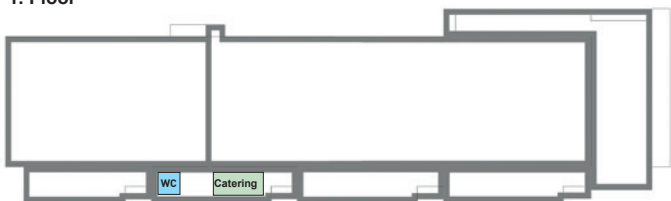
EXHIBITORS / PRESENTATIONS

PLANT 2 - GROUND FLOOR / 1. FLOOR / 2. FLOOR

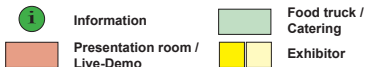
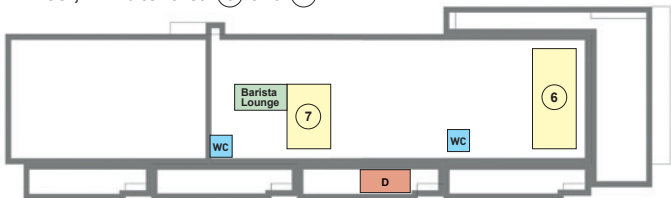
Ground Floor, Exhibitor area ⑤



1. Floor



2. Floor, Exhibitor area ⑥ and ⑦



EXHIBITORS / PRESENTATIONS

PLANT 2 - GROUND FLOOR / 1. FLOOR / 2. FLOOR

Ground Floor, Exhibitor area ⑤

5

GROB-Werke GmbH & Co.KG
SCHUNK SE & Co. KG
Yamazaki Mazak Deutschland GmbH
GEORG NOLL Werkzeugmaschinen
GmbH & Co.KG
Renishaw GmbH
DMG MORI
SAUTER Feinmechanik GmbH
Hexagon Manufacturing Intelligence
Germany GmbH

2. Floor, Exhibitor area ⑥ and ⑦

6

W&F Werkzeugtechnik GmbH
Tornos Technologies
Deutschland GmbH
PRIMACON GmbH
Wenzel Group GmbH & Co. KG
Schlenker Spannwerkzeuge
GmbH & Co. KG

7

Horn Hartstoffe GmbH
CemeCon AG

Presentations

- 9:15 a.m. Room D TURN-MILLING**
- 10:15 a.m. Room D ALUMINIUM PROCESSING**
- 11:15 a.m. Room D GROOVING - PARTING OFF - PROFILING**
- 12:45 p.m. Room D INTERNAL MACHINING**
- 1:45 p.m. Room D PRODUCT CONFIGURATION**
- 2:45 p.m. Room D HORN x AI**



**DEUTSCHLAND, STAMMSITZ
GERMANY, HEADQUARTERS**

—
**Hartmetall-Werkzeugfabrik
Paul Horn GmbH
Horn-Straße 1
72072 Tübingen**

**Tel. +49 7071 7004-0
Fax +49 7071 72893**

**info@de.horn-group.com
horn-group.com**