

120 YEARS
MADE BY HELLER
SINCE 1894

HELLER

**PRECISION
5-AXIS COMPETENCE
PROCESS DEPENDABILITY**

Register now!

Meeting Place for Experts
HELLER WerkTage: 14 – 16 May 2014

HELLER solutions:
Knowing how it's done.

SOLUTIONS.



WerkTage 2014: Overview

This year's focus of WerkTage is on solutions providing precision and 5-axis competence and on the integrated approach to the process chain. Experience tomorrow's trends in technology, organisation and services. Discuss your challenges with our staff, our partners and your peers from many different industries. The programme is topped off with exceptional culinary delights and varied supporting events.

Focus on technology

- HELLER complete machining: 7 machining centres live in operation at the TechnologyCenter, showcasing surprising manufacturing tasks with 4-axis and 5-axis machining and mill/turning.
- HELLER precision: workpiece precision demonstrated by means of practical examples and solutions.
- HELLER processes: optimisation of the process chain from the idea to the finished part.
- HELLER innovation: practical demonstrations, insights into application installation and an in-depth exchange of experience on HELLER CBC technology.
- HELLER XXL: the expanded product range, including HELLER machining centres for large-part machining.
- HELLER machine structure: a look into the "transparent" machine.
- HELLER application: automation and machining solutions.



Focus on HELLER

Always a great experience: guided tours through our plants 1 and 2 will give you an insight into the world of HELLER.

- **Tour 1:** vocational training, CBC Technology-Center and application installation, assembly workshop crankshaft and camshaft machines, CompetenceCenter "Assembly Workshop 1".
- **Tour 2:** manufacturing, sub-assembly installation.
- **Tour 3:** large-part manufacturing, machine assembly.
- **Tour 4:** TechnologyCenter.

Focus on solutions

- In dialogue with customers: live panel discussions.
- Focus on customers: exhibition of workpieces and final products.

Focus on services

- The comprehensive and modular range of services available from HELLER Services.
- Benefits of Total Productive Services.
- Retrofit options demonstrated by means of a practical machine example.
- Attractive financing solutions for new and used machines.

KNOW-HOW.



From practice for practice:

Exchange of experiences with customers and HELLER experts

In what ways can I improve my ability to respond to my challenges in daily production? What solutions did other companies opt for? Could anything of that be transferred to my situation? What other input and ideas can I take home?

Answers will be provided in interesting moderated panel discussions with HELLER customers and in technical forums hosted by our HELLER experts. They will be available to discuss with you and answer your questions about your solutions and experiences.



Practical examples

Wednesday, 14 May 2014, 11:00h

"Cost-efficient manufacturing of special cylinder blocks for axial piston pumps using a 5-axis machining centre"

Volker Schmitt, Head of Industrial Engineering
Manufacturing

Linde Hydraulics GmbH, Aschaffenburg

Thursday, 15 May 2014, 11:00h

"Precision and reliability –
pre-requisites for safe
production processes"

Walter Kreidler, Managing Director
CNC Manufacturing

Kreidler GmbH & Co.KG, Horb am Neckar

Friday, 16 May 2014, 11:00h

"Machining of
aluminium die cast
intermediate casings"

Karl Semmelmann, Head of Engineering
and Development

MDS Abele GmbH & Co. KG, Mühlacker

HELLER forums

CylinderBoreCoating

- "HELLER turnkey solutions for crankcases using CBC technology", every day at 13:30h.

5X in the process

- "Auto-calibration", every day at 09:30h and 14:30h.
- "Operation in abort situations", every day at 10:00h and 15:00h.
- "Maintenance", every day at 10:30h and 15:30h.

Service solutions

- HELLER Total Productive Services: maximising productivity.
- HELLER retrofit: reliability throughout the life cycle.





H 2000

**Out-facing head
solution and
trochoidal milling**

H 4500


**Universal application
using oversized tools**

H 6000

Drilling in all its facets

MACHINING.





FP 4000
Precision
with
in-process
gauging

FP 4000
5-axis
machining
from
6 sides

FT 4000
Strategic 5-axis
simultaneous
machining

CP 8000
HELLER cycles and
combined mill/turning

TechnologyCenter:

Machining centres live in operation

See 7 machining centres live in operation at our TechnologyCenter. Learn more about our competence in 4-axis and 5-axis machining and mill/turning. Experience surprising manufacturing tasks.

TECHNOLOGY.



TechnologyCenter: Workpiece precision

5X in the process: our TrainingCenter will present you practical examples of actions we have taken in order to ensure precision and safety of the process. Topics: auto-calibration, operation in abort situations, maintenance. Additionally, our partners from production measurement and inspection will be discussing the topic with you in detail.



Savings potentials in workpiece loading: reduced loading times help to save real money, especially in terms of the machining process and testing and changeover equipment. Learn more about the application of zero-point clamping systems at our TechnologyCenter – with practical examples demonstrated on our machines and in our partners' exhibition.



CBC TechnologyCenter: Outside of traditional machining

Under the name HELLER CBC (CylinderBoreCoating) we have expanded the process chain in crankcase manufacturing with a process outside of traditional machining. The system installed at the CBC TechnologyCenter, which is also available for customer projects, showcases the current state of development. Obtain detailed information on the benefits and possible applications and gain an insight into application installation of a current CBC project.



CompetenceCenter "Assembly Workshop 1"

Learn more about topics under discussion today, put into practical application tomorrow.

Machine series: the full spectrum of productivity

Three new developments and numerous product enhancements result in a completely revamped and expanded product portfolio for 4-axis and 5-axis machining and combined milling/turning. In addition, you will have the opportunity to learn more about our centres for large-part machining.

Automation: increase your productivity

The technical possibilities are varied. We will show you solutions for stand-alone machines and linked machining centres. Our automation partners will be available on site to answer your questions.



Simulation and reality: the perfect symbiosis of "virtual" and "transparent" machine

Experience quality "Made by HELLER" with our "transparent machine" model FP 4000. Learn about how you can optimise the process chain from the idea to the finished component, using "Virtual Machining".

Technology competence: Tangible HELLER solutions

Customer exhibition: with a selection of workpieces and final products we will be giving you an overview of successful solutions.

Technology corner: our current technology competence covers a wide range of parts and materials machined under the most diverse conditions. Engage in discussions with our experts on the numerous possibilities for realising a manufacturing solution.

Services:

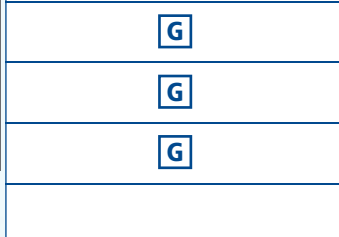
Maximum productivity with HELLER Services

Our range of services plays a vital role in guaranteeing productivity. We will be providing in-depth information.

- **"Total Productive Services"** (TPS): modular service packages tailored to your production system and maintenance strategy.
- **"Retrofit"**: overhaul of a HELLER model MCP including control.

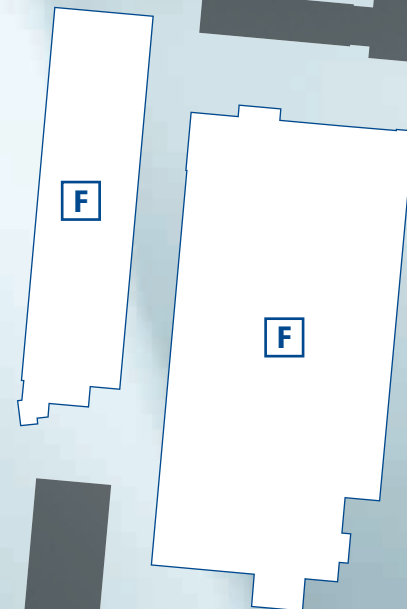
Other topics:

- **Wenzler:** efficient 5-axis machining of structural components.
- **"Blue Competence"**: needs-based design of energy-consuming systems.
- Machines available at **short notice**.
- **Attractive financing solutions** ensuring maximum availability and security of investment at costs you can calculate in advance.



HELLER Plant 2

HELLER Plant 2



INSIGHTS.



A Foyer

Reception, registration, information desk, meeting point for plant tours.

B TechnologyCenter

Machine demonstrations, partner exhibition on precision, HELLER forum 5X in the process.

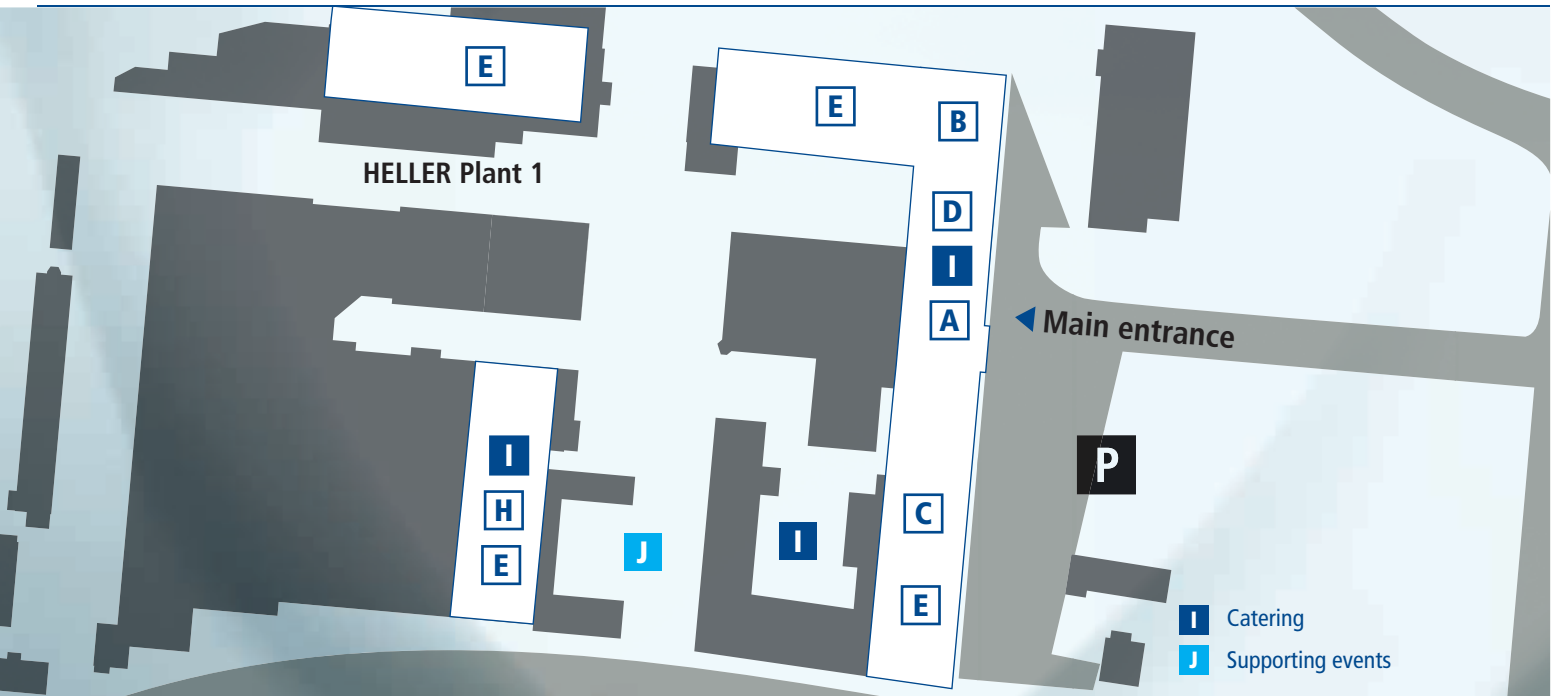
Plant tour 4:
10:00h, 13:30h

C Training facilities room

Panel discussions with customers, every day at **11:00h.**

D Training facilities room

HELLER forum CylinderBoreCoating, every day at **13:30h.**



E Plant tour 1	F Plant tour 2	G Plant tour 3	H CompetenceCenter
Vocational training, CBC Technology-Center and application installation, assembly workshop crankshaft and camshaft machines, CompetenceCenter "Assembly Workshop 1". 9:30h, 14:00h, 15:00h	Manufacturing (machinery, production facilities solutions, quality assurance) and sub-assembly installation. 9:30h, 14:30h, 15:30h	Large-part manufacturing and machine assembly (final assembly machining centres, continuous flow production machining modules). 9:30h, 14:00h, 15:00h	HELLER forum service solutions, model series overview, partner exhibition automation, HELLER technology competence, exhibition of customer workpieces and products.

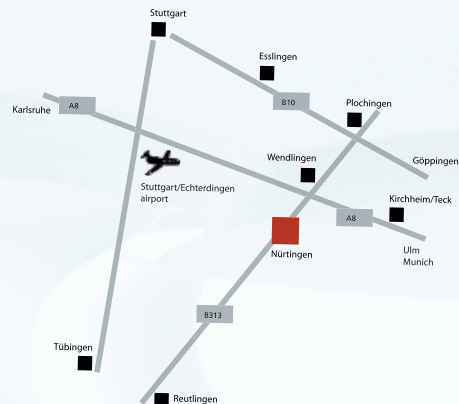


HELLER WerkTage 2014

14 to 16 May 2014 every day from
09:00h to 17:00h.

Don't miss it! Register now on
www.heller.biz/werktage2014
or e-mail us at werktage@heller.biz
or return the registration form by fax.

Sat nav directions
via Laiblinstegstraße



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