# INSIGHTS

EDITION 1 2026

## OPEN HOUSE.

Building. Tomorrow. Today.

## INDUSTRY-ORIENTED.

Machining versatility in detail.

## 5 INSIGHTS FROM THE SHOP FLOOR.

What users say.

HERMLE

# Preface.

Dear business partners and customers,
colleagues and employees,

The year 2026 is already in full swing – high time for a review. The year 2025 began cautiously but developed much more positively than expected as it progressed, particularly in the second half of the year. Despite a market environment that remains challenging and demanding economic and trade policy conditions, HERMLE has managed to maintain its positive performance. We closed the 2025 financial year with sales roughly on a par with the previous year and achieved a lower, but still very solid operating result in a difficult environment.

This economic stability gives us the strength we need to invest consistently in future technologies right now and to make a clear commitment to the installation location at Gosheim: With the construction of our future Technology and Training Centre, we are creating space for innovation, knowledge transfer and long-term development. This project is not only the largest single investments in our company's history, but above all a strong sign of our confidence – in our customers, our employees and our region. As part of this year's Open House, you will receive an exclusive first glimpse of the new building currently under construction.

Under the motto

BUILDING TOMORROW. TODAY.

we would like to cordially invite you to our Open House in April. There you can experience live how the future is being created. We will be presenting 20 machining centres featuring state-of-the-art machining technologies, a wide range of innovative automation solutions and practical digitalisation tools.

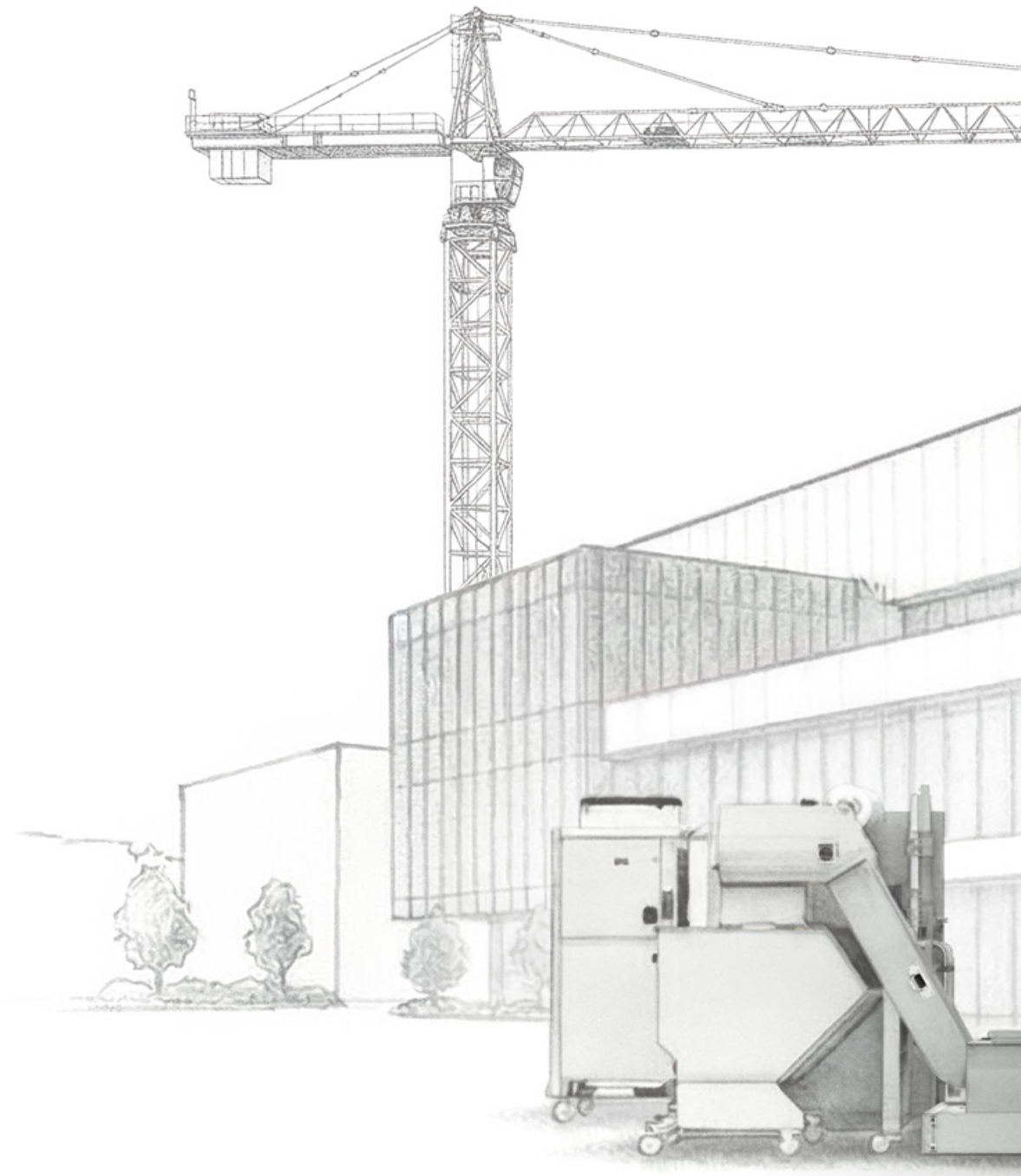
After a one-year break due to construction work, our special show is back again this year, where you can find out about the latest developments in tool technology, software and hardware.

In this issue of our customer magazine, you will also find exciting insights into how our machines and automation solutions are impressing our customers worldwide in daily use: precise, reliable and productive.

We look forward to working with you to ensure the success of your future projects.

Kind regards

Kai Bacher
Member of the board
Sales, Research & Development

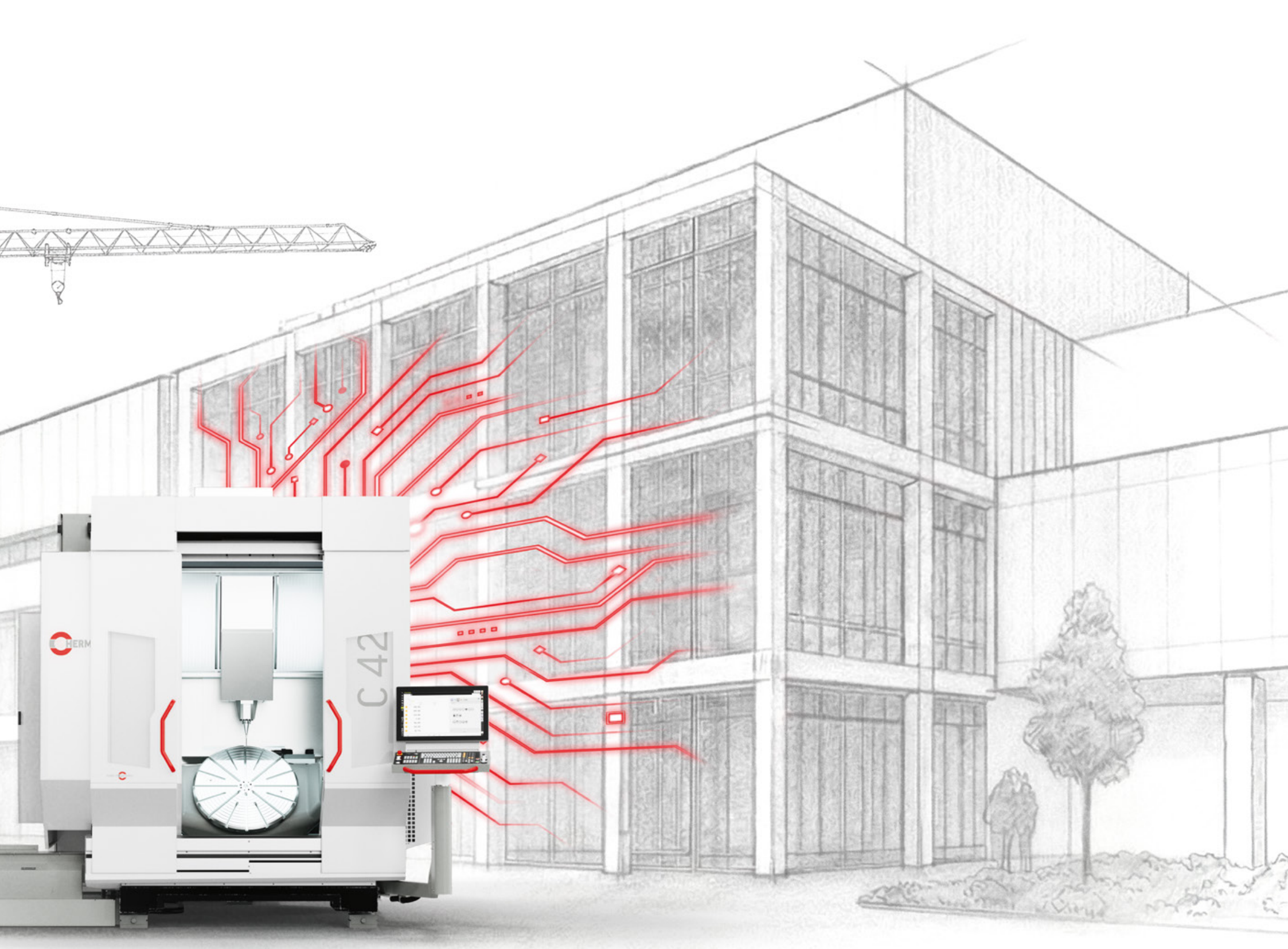


# BUILDING TOMORROW. TODAY.

THE FUTURE IS CREATED HERE –
MACHINE | AUTOMATION | DIGITALISATION

**OPEN HOUSE 2026**
**21–24 APRIL**

Opening hours daily from 9 a.m. to 5 p.m.



20 MACHINING CENTRES
All in full production with exciting machining examples

FOUR OF THEM FULLY AUTOMATED
with HS flex hybrid handling system and RS 05-2, RS 1 and RS 2 robot systems

DIFFERENT TECHNICAL PRESENTATIONS EVERY DAY

- Blum-Novotest GmbH
- DR. JOHANNES HEIDENHAIN GmbH
- gemineers GmbH (milling software)
- HLS HERMLE Systemtechnik GmbH
- HMG HERMLE Maschinenbau GmbH
- Renishaw GmbH
- Siemens AG
- TDM Systems GmbH (tool management software)

OTHER AREAS
HERMLE User College
HERMLE service department
HMG HERMLE Maschinenbau GmbH (Additive manufacturing)

GUIDED TOURS
throughout the entire company

LUNCH
Potato soup and traditional maultaschen with potato salad

## SPECIAL SHOW FEATURING OVER 50 EXHIBITORS

from the fields of tool technology, software and hardware

TOOL TECHNOLOGY

- ALESA AG
- BENZ Tooling
- BIG DAISHOWA GmbH
- EMUGE-FRANKEN
- FRAISA
- GDE-Werkzeuge GmbH
- Gühring KG
- Günter Effgen GmbH
- HAIMER
- HAM Präzision – Hartmetallwerkzeugfabrik Andreas Maier GmbH
- Hoffmann Group
- Hufschmied Zerspanungssysteme
- Ingersoll Werkzeuge GmbH
- ISCAR Germany GmbH
- KENNAMETAL
- LMT Tools
- MAPAL Dr. Kress SE & Co. KG
- Mitsubishi Materials
- MOLDINO
- OSG GmbH
- Paul Horn GmbH
- Sandvik Coromant
- Schrenk GmbH / SECOTOOLS
- SUMITOMO ELECTRIC Hartmetall GmbH
- Tungaloy-NTK Germany GmbH
- Tyrolit
- ZECHA Hartmetall-Werkzeugfabrikation GmbH

SOFTWARE

- AURON GmbH
- CENIT AG
- CHECKitB4
- ConceptsNREC
- Hexagon Manufacturing Intelligence Germany GmbH
- infoBoard Europe GmbH
- JANUS Engineering AG
- Mastercam
- OPEN MIND
- StaabTEC
- SOFLEX
- SolidCAM
- Tebis AG
- Vericut

HARDWARE

- Air Turbine Tools Inc.
- Blaser Swisslube
- Blum-Novotest
- DR. JOHANNES HEIDENHAIN GmbH
- E. ZOLLER GmbH & Co. KG
- Hexagon
- KELCH GmbH
- Renishaw GmbH
- Siemens AG
- SycoTec GmbH & Co. KG

MACHINING.

# CROSS-SECTOR PRECISION.

Discover your possibilities at
HERMLE's Open House.

With HERMLE machining centres, you can mill with precision in a wide range of sectors. At Hermle's Open House, we will be demonstrating workpieces ranging from aerospace and sport and leisure to toolmaking.

| | RADIO TURNING HEAD | UPPER PART OF SCISSORS | SHOWER HEAD | DIESELLOK |
|---|---|---|---|---|
| Machine | **C 12** | **C 12 RS 05-2** | **C 22** | **C 22** |
| Sector | Consumer electronics | Model making | Precision mechanics | Model making |
| Tools | ZECHA | Gühring | Horn | OSG |
| Clamping devices | KIPP | SMW | HAINBUCH | GRESSEL |
| Software | control / CAM | SolidCAM | | OPEN MIND |

| | PLUNGE JIGSAW | PIPE BENDING DIE | AEROSPACE STAND | FLOWER VASE |
|---|---|---|---|---|
| Machine | **C 32** | **C 32** | **C 32** | **C 32 RS 2 GEN2** |
| Sector | Tool-mould making | High-performance milling | Aerospace | Model making |
| Tools | Ingersoll | EMUGE-FRANKEN | ISCAR | |
| Clamping devices | GRESSEL | EMUGE-FRANKEN | GRESSEL | |
| Software | WORKNC | Autodesk Fusion | Mastercam | SolidCAM |

| | MÖBIUS STRIP | GLASSES HOLDER | SPORTS BOW | ROCKING HORSE |
|---|---|---|---|---|
| Machine | **C 400 HS flex hybrid** | **C 250 RS 1** | **C 400** | **C 650** |
| Sector | Production technology | Model making | Sport and leisure | Model making |
| Tools | EMUGE-FRANKEN | MAPAL | HAM/Diebold | |
| Clamping devices | LANG | Bonertz | LANG | SMW |
| Software | Siemens NX | SolidCAM | SolidCAM | Siemens NX |

| | LOUDSPEAKER CHASSIS | SCULPTURE | GASTURBINE DISTRIBUTOR | COMBUSTION CHAMBER |
|---|---|---|---|---|
| Machine | **C 42** | **C 42** | **C 42** | **C 42 MT** |
| Sector | Consumer electronics | Modern art | Aerospace | Aerospace |
| Tools | | Tungaloy | MITSUBISHI | |
| Clamping devices | | SCHUNK | SMW | |
| Software | CATIA | | Tebis | |

| | HELICAL DISTRIBUTOR | AXIAL COMPRESSOR | ROTOR HEAD SPACER |
|---|---|---|---|
| Machine | **C 42 MT** | **C 52 MT** | **C 62 MT** |
| Sector | Technology development | Fluid engineering | Aerospace |
| Tools | EMUGE-FRANKEN/Tyrolit | Kennametal | Seco |
| Clamping devices | SCHUNK | HWR | SCHUNK |
| Software | OPEN MIND | Siemens NX / NREC | Mastercam |

MACHINING CENTRES.

lasserre-sa.com

mcsa.fr

# FROM A SINGLE SOURCE.

Four drawers hold enough blanks to keep the machine running overnight and throughout the weekend. **Product illustration** From blank to finished component: Precise machining transforms the blank into a precisely fitting and compliant workpiece. **Image below** Jean-François Denis, CEO HERMLE France, together with the Lasserre team: Cyril Richard, Yohan Lavrat, managing director Mathieu Peroche and Fabrice Dias, head of the milling department (from left).

# PRECISION IN CONTINUOUS OPERATION.

The HERMLE specialists at MCSA-CELERC: Philippe Coutin, Sébastien Lelong and Anthony Garinie, together with Jean-François Denis, CEO of HERMLE France (from left). **Image below** Thanks to the combination of two C 250 U machining centres with an adapted RS 1 robot system, three machining centres were freed up for new orders.

French contract manufacturer Lasserre needed to replace a worn-out milling machine. The choice fell on the C 12 U 5-axis machining centre with an adapted RS 05-2 robot system from HERMLE – compact, fully automated and available at short notice.

The two C 250 U 5-axis machining centres with adapted RS 1 robot system run like clockwork. French contract manufacturer MCSA-CELERC demonstrates how learning by doing, experienced employees and smart automation can work together to machine sophisticated aerospace components.

Mathieu Peroche, managing owner of Lasserre, was looking for a replacement for a machining centre which was getting on in years. In addition to high precision and rapid availability, one thing was particularly important to him: The machine had to fit into the designated space in the hall. Two years earlier, he had seen the C 12 U with RS automation at the HERMLE stand at the EMO in Hanover. Compact design and a robot which turns night into day. He contacted HERMLE and, within 48 hours, configured a suitable robot system with the experts in Gosheim.

Lasserre was founded in 1947 in Méreau in the Cher department, Centre-Val de Loire region. With its 37 employees, the company specialises in precision mechanics and the machining of complex workpieces, generating annual sales of around seven million euros. The contract manufacturer's main areas of focus are defence, automotive and aviation, with additional customers from the railway and energy sectors. One third of the components are prototypes and developments, two thirds are small series of up to 500 workpieces which are repeated regularly.

## WHEN RELIABILITY BECOMES THE BENCHMARK

The quick decision to purchase a new machining centre with its integrated robot system was also made because Lasserre already had experience with this type of automation solution: Since 2022, a C 400 U with an adapted HS flex handling system has been machining workpieces with diameters of up to 650 millimetres – fully automatically thanks to the handling system. One advantage: At HERMLE, automation and machining work perfectly together. "The system has been running smoothly and absolutely reliably for three years," says Mathieu Peroche happily. He was impressed by the control architecture of the new robot system: The robot controls the machining centre, not the other way around. Parts that were previously uneconomical can now be manufactured profitably. An example: "With a processing time of 10 to 15 minutes per component, an employee used to have to be on standby at all times to change parts; this took up a lot of working time," explains the managing director. In addition, the production time for a recurring component on the C 12 U fell from 22 to 18 minutes. "The traverse paths are shorter, the tools are closer," emphasises the owner. All in all, this adds up to a considerable amount.

The French group MCSA, with its subsidiary MCSA-CELERC in La Guerche-sur-l'Aubois in the Cher department in the Centre-Val de Loire region, manufactures micrometre-precise components for aircraft, military technology and trains. When Sébastien Lelong, Head of Mechanical Production, enters the production hall on Monday morning, both C 250 U 5-axis machining centres have been running non-stop for at least 60 hours, even though the employees do not work at weekends. HERMLE's adapted RS 1 robot system supplies both milling machines with new parts during unmanned shifts thanks to 64 pallets and eight dies for handling individual parts.

Sébastien Lelong has been with the company for almost 30 years. He started out on a C 600 U from HERMLE which had a lasting impact on him and is still one of the most precise machines in production today. "Today, we machine tiny gearwheels with a level of precision and repeatability that seemed unattainable for a long time," he says. "This is learning by doing and one of our unique selling points."

## PRODUCTIVITY ON A NEW LEVEL

The milling team configured the automated system at HERMLE's main factory in Gosheim. "In doing so, I saw how the company uses its own machines to manufacture parts for the machining centres. The robots, the assembly, the training centre – all in-house. I could feel the passion of the people there." And there was something else that impressed the production manager: "With other manufacturers, I would have had three contacts: one for the machine, one for the robot, and one for the rack system. HERMLE's service, on the other hand, covers everything – and there is only one contact person. That was the deciding factor for us."

2022: The first HERMLE C 250 U with the adapted RS 1 robot system is delivered. "We didn't want both machining centres straight away; we wanted to get to know and understand automation first," explains the production manager. "I have experienced people working on the machine, but I was surprised myself at how quickly such a complex robot system can become productive." The second C 250 U was added at the beginning of 2024. All workpieces which previously ran on three machines are now manufactured fully automatically. The figures speak for themselves: In 2019, the group's turnover was six million euros. In 2025, it will be 14 to 15 million.

SETVIS
the art of making

setvis.com

# SMALL SERIES WITH HIGH STANDARDS.

Every detail counts for customers because only the highest precision ensures that the component functions flawlessly. **Product illustration** The C 400 combines high machining capacity with outstanding precision and optimum surface quality. **Image below** Experience meets high-tech: The milling team at Setvis utilises the five axes of the C 400 for countless possibilities.

The Italian contract manufacturer Setvis combines design expertise, material competence and manufacturing know-how. With the C 400 5-axis machining centre from HERMLE's Performance Line, the mould making specialist is consistently focusing on long-term precision.

The contract manufacturer Setvis-Fisat S.r.l. is located between Turin and Milan. Anyone who visits the company in Vercelli will quickly notice that: Here, people think in terms of solutions. Since 1994, brothers Roberto and Giorgio Baldini have been running the business in its fourth generation. The company employs 27 people. Setvis works for demanding industries such as shipping, hydraulics, ophthalmology, pneumatics and fibre optics. "Small series are complex – but that is precisely where our strength lies," says CEO Giorgio Baldini. This approach sets the materials specialist apart, offering a comprehensive service from the initial idea through development and prototyping, validation, tool design and toolmaking to series production and packaging.

When Setvis was looking for its first 5-axis machining centre at the beginning of last year, market research via a LinkedIn contact quickly led to a joint project with HERMLE. The requirements were a perfect match for the C 400 from the Performance Line. Several factors were decisive in this regard: Durability, stable precision over many years and a design which focuses on the essentials. "We don't change machines at a rapid pace," emphasises Giorgio Baldini. "That's why they have to function reliably and with high precision over a long period of time." Another factor was that HERMLE was able to deliver the machining centre immediately.

## THE STEP INTO THE FIFTH AXIS

When it comes to the C 400, the Italian company is particularly impressed by HERMLE's proven core competence in 5-axis technology. The mineral cast low-vibration machine bed ensures that the system has the required static stability. 5-axis technology delivers a high cutting volume with outstanding precision and an optimum surface. The working area is very large in relation to the installation area.

Since spring 2025, moulded parts, standardised and machined plates, dowels made of hardened steels and stainless steel, as well as small series made of aluminium have been produced on the C 400. The machine thus covers exactly the range which Setvis requires on a daily basis. "We like the fact that we can switch between materials without any problems," enthuses COO Roberto Baldini. The technical principle behind the machine was particularly impressive. There is no unmanageable variety of options. Behind this lies a clear conviction for a concept," adds his brother Giorgio.

NEPTUNE
AVIATION SERVICES

neptuneaviation.com

# HIGHEST QUALITY UNDER HIGH PRESSURE.

Neptune Aviation Services Inc. is an aerial support and firefighting company based at Missoula International Airport in Missoula, Montana. **Image below** Delivery of the new C 400 5-axis machining centre.

Neptune Aviation flies where others have long since had to retreat: right into the heart of forest fires. To ensure that the firefighting aircraft are ready to take off at any time, the company relies on the C 400 5-axis machining centre from HERMLE. This enables the company to manufacture accurate spare parts in-house.

Neptune Aviation has been fighting forest fires from the air for around 30 years. From California to Canada, from Chile to Australia, the core mission of the teams is to protect lives and property from fire. "When there's a fire, we want to get to the scene as quickly as possible," says Kevin Condit, Head of Corporate Communications at Neptune Aviation in Missoula, Montana.

This pace depends on a high level of reliability. Not only in flight operations, but also in aircraft maintenance. “It is very important that our machines are ready at all times. And this is where our workshop comes in." It was originally established because in its early days, Neptune Aviation acquired aircraft which were already decades old. "The manufacturer Lockheed was no longer supplying spare parts," explains Kevin Condit, "so we had to take care of it ourselves."

## FROM NEED TO SOLUTION

This spirit of independence has remained to this day. Due to increasing demand and increasingly complex components, the company needed additional capacity in technical service. Senior machinist Seth Cohen recalls: "I made it clear that modern machines would give us a noticeable advantage – especially if we automated our production." His search for the right solution ultimately led him to HERMLE. "The precision of the milling machines meets our requirements exactly." The choice fell on the C 400 5-axis machining centre. Since last year, this has enabled the company to significantly reduce repair times and support its own maintenance operations as well as external customers with precision components.

The new CNC machine has quickly become indispensable. "It's a multiplier," emphasises workshop manager Pierre Balloon, "because it expands Seth's capabilities so much that he basically acts like an entire team." In addition, the C 400 opens up new business opportunities, as it provides enough capacity to work for external clients as well. Our goal is for the spindles to run around the clock. We want to move away from seasonal production and manufacture year-round, tapping into new customer bases," reveals Pierre Balloon.

# CLEVERLY DECOUPLED FOR MAXIMUM EFFICIENCY.

CNC milling operator Jonathan Gabel, CNC production manager Carsten Schmidt, maintenance manager Michael Jakob and production manager Volker Manz – all AMAG components Karlsruhe GmbH – and Andreas Glumpler HERMLE AG sales rep (from left). **Image bottom left** CNC operator Jonathan Gabel appreciates the flexibility offered by the pallet changer. It allows him to prepare several components at once. **Image bottom right** The PW 3000 has space for four pallets – thereby decoupling setup and main processing times.

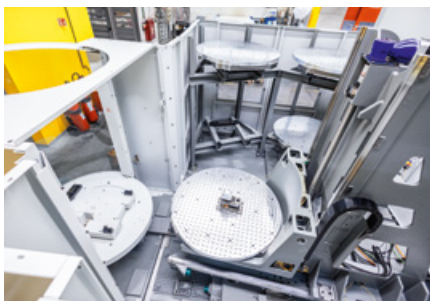
AMAG components Karlsruhe GmbH relies on automation: The PW 3000 pallet changer supplies the 5-axis C 62 UP machining centre with new workpieces. Since the contract manufacturer separated setup from the actual machining process, the spindle runs significantly longer – and productivity increases noticeably.

It has to be light – as the workpieces are generally used in the aerospace industry. Blocks of solid metal are transformed into delicate, yet high-strength components. “We mainly machine aluminium and titanium for our customers,” says Volker Manz When it comes to milling the high-performance materials, the production manager at AMAG components Karlsruhe GmbH relies on high-performance machines. “For us, it is immensely important that the machining centres are reliable, can be used flexibly and, of course, enable precise milling operations,” he says, when summarising the requirements. In recent years, the company has gained extensive experience with several HERMLE 5-axis machining centres, such as the C 30 U, C 40 U and C 62 U. “We needed additional production capacity for large workpieces up to 1,300 mm and therefore decided to purchase a second C 62, this time as a UP variant.”

Since 2022, the former Aircraft Philipp Karlsruhe GmbH has been wholly owned by the Austrian company AMAG Austria Metall AG as AMAG components. The corporate group has thus extended its value chain. Thanks to its extensive recycling expertise, AMAG can reprocess metal waste, such as that generated during component production at locations in Germany, into high-quality rolled products at its plant in Ranshofen, Austria.

## FULL CONTROL

Every detail counts in the aerospace industry. AMAG components therefore leaves nothing to chance. ‘First time right’ is more than just a guiding principle here, it is a commitment. Current example: The 5-axis machining centre C 62 UP dynamic uses touch probes and tool breakage monitoring to guarantee automated production of the highest quality. "So far, we have used the measuring system less actively on our other machines," explains Volker Manz. The wear-free, opto-electronic probe aligns the component virtually to achieve perfect results even when the clamping is not precise. "This enables us to achieve a very high level of process reliability – and the machine operator does not have to handle and reposition the component," says Volker Manz, describing a major advantage. To exploit the machine's full potential, AMAG components uses the PW 3000 pallet changer which is suitable for loads of up to 3,000 kg.



The PW 3000 is controlled by the intuitive management software HACS (HERMLE Automation-Control-System). Before commencing an order, the intelligent software automatically performs the most important checks: Have the zero points been loaded? Is the pallet in the system? And of course: Are all the required tools available? If something is not quite right, the operator is immediately informed in real time.

The C 62 UP with connected pallet changer has been up and running since November 2024. Can any conclusions be drawn yet? “Thanks to pallet handling, we are countering the shortage of skilled labour, as we can now plan and manage tasks and their distribution much better,” says a delighted Volker Manz.



Go to all user reports.

## DATES

Go to the dates overview:
www.hermle.de/dates

## CUSTOMER PORTAL

myHERMLE

Follow us on:

## IMPRINT

**Publisher:**
Maschinenfabrik Berthold HERMLE AG
Industriestrasse 8 –12, 78559 Gosheim, GERMANY
Phone: +49 (0)7426 95-0
info@hermle.de, www.hermle.de

**Editorial, concept design:**
Udo Hipp

**Layout:**
Schindler Parent GmbH

**User articles:**
a1kommunikation Schweizer GmbH

**Photos:**
HERMLE AG · maikgoering photography

**Printed by:**
Druckerei Hohl GmbH & Co. KG

This information is non-binding.
We would like to thank the editors and publishers for their permission to use published technical papers and user reports.