

**OUR BUSINESS IS  
CLAMPING TECHNOLOGY.**

**LONG-LIFE  
CLAMPING  
TECHNOLOGY  
INSIDE**



**OTT**  
Spanntechnik

**JAKOB**



**TECHNOLOGY, QUALITY AND PASSION ARE WHAT DRIVE US.** THIS IS CLEAR FROM JUST ONE GLANCE.

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**WELCOME TO OTT-JAKOB!**

We are one of the world's leading manufacturers of clamping systems for the machine tool industry. With decades of experience and extensive user expertise, we deliver excellent, reliable technical solutions which guarantee high-quality products and services for years to come.

**THERE IS MORE TO OTT-JAKOB THAN MEETS THE EYE.**  
NOW AND IN THE FUTURE.

What long-life clamping technology means for our customers:

- ▲ Innovative technologies which go far beyond mere clamping systems and which guarantee maximum safety and precision in the long term.
- ▲ Top quality – this goes not only for our own products, but also for the machining process of the machine tool and its end product.
- ▲ Maximum passion – during development, over the entire product life cycle and in personal service and support for years to come.



**THE TRUE STRENGTH OF OUR PASSION FOR CLAMPING TECHNOLOGY** SOMETIMES ONLY BECOMES CLEAR TO OUR CUSTOMERS AFTER MILLIONS OF CLAMPING AND UNCLAMPING STROKES.

**LEADING TECHNOLOGICAL SOLUTIONS**

As a provider of complete systems and a technological leader in this niche market, we have set numerous standards in clamping technology over the past few decades. We are a valued development partner of the world's leading spindle and machine tool manufacturers.

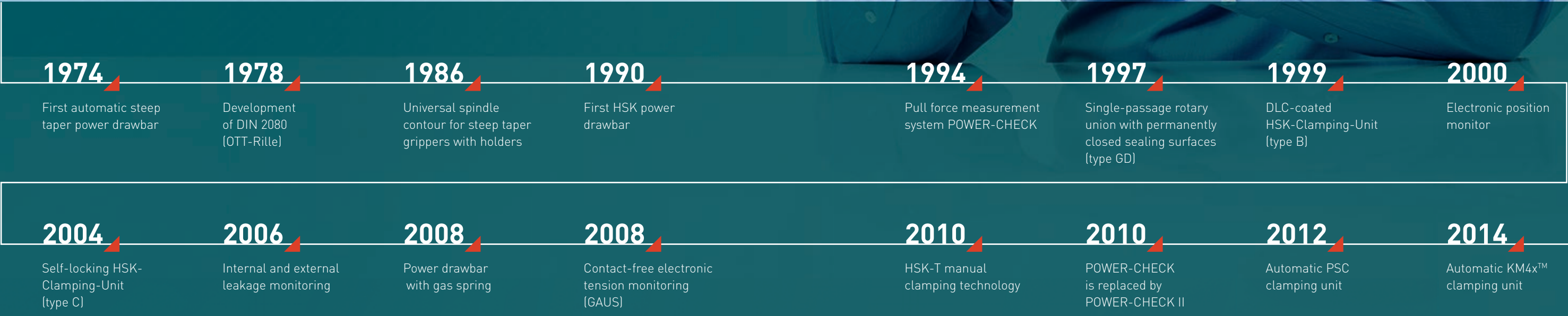
Our extensive user expertise as wide-ranging as it is profound, our development and manufacturing skills and our sound knowledge of processes enable us to deliver clamping systems which you can rely on. Now and in the future.

**HAVING SET SO MANY STANDARDS, WE BELIEVE WE HAVE THE RIGHT TO TALK ABOUT THEM**

We do not simply settle for a good solution – we always look for the absolute best. Perhaps this is because we have continually raised the bar in the market with new innovations and set new milestones in clamping technology in recent decades.



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LONG-LIFE  
CLAMPING  
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**I N S I D E**

**WE DO NOT SEE QUALITY AS A STANDARD,  
BUT RATHER AS A LIFELONG PROMISE.**



**OUR QUALITY STANDARDS  
ARE EXCEEDINGLY HIGH**

Naturally, this applies to our own products, where we leave nothing to chance – from development, production and assembly to thorough performance tests and the final quality inspection.

But we also expect our suppliers, the quality of whose parts we constantly test, to meet such high standards. Consistent quality throughout the entire life cycle can only be achieved through consistent quality management and superior service quality. We call this the OTT-JAKOB quality cycle.

**FROM THE INITIAL ENQUIRY TO AFTER-SALES  
SERVICE: THE OTT-JAKOB QUALITY CYCLE**

We focus on quality from the outset and have developed our own quality process for the development and production of our clamping systems: it starts on receipt of the initial specific enquiry with one of the technically skilled contacts in our company and covers the joint project planning and offer phase as well as production in line with the customer's requirements and installation support.

Afterwards, our after-sales service is available when you need it if any problems should arise, and we guarantee the availability of our spare parts all over the world and over the entire life cycle.



PASSION DRIVES US.  
THIS IS CLEAR FROM THE OUTSET.



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**THE MOST IMPORTANT FACTOR BEHIND  
OUR SUCCESS** IS OUR EMPLOYEES

Is where we live, the Allgäu region, the reason why our employees are happier to go to work than people elsewhere? Perhaps it is simply our determination to always deliver the best solution for our customers – be it a clamping unit, a full clamping system or innovative electronic components to make our systems that little bit better.

**WE ARE ALWAYS THERE FOR YOU**

Our experienced staff of technophiles always have time for you and always have a good answer. After all, they are most skilled at listening to our customers, identifying problems and opportunities and then implementing them in the form of an optimised clamping system solution. Their passion for precision down to the smallest detail is evident through and through. For us, this is a fundamental requirement for new developments and products.





OUR RANGE OF PRODUCTS IS AS DIVERSE  
AS YOUR CLAMPING TECHNOLOGY REQUIREMENTS.

MODULAR CLAMPING SYSTEMS

**AUTOMATIC CLAMPING TECHNOLOGY**  
Be it a steep taper, hollow-shaft-taper, PSC or KM™, we always deliver the optimal clamping system solution. The modular structure of OTT-JAKOB clamping systems makes it possible to combine standard components with customer-specific elements.

**UNCLAMPING UNITS**  
We have a wide range of hydraulic, pneumatic and electronic unclamping units. Spindle bearing relief, holders for our rotary unions and cleaning air connections are optionally available.

**ROTARY UNIONS**  
In recent years, we have also set new standards for rotary unions. Our range of products features single- and multi-passage rotary unions for numerous systems such as hydraulic, air, cooling lubricants, MQL and even cryogenic machining.

**MANUAL CLAMPING TECHNOLOGY**  
Our manual clamping systems facilitate easy, quick and safe clamping with high repeatable accuracy for turning machines or applications involving few tool changes.

BE IT MILLING, TURNING, GRINDING OR MULTITASKING ...

We cover the entire range of tool clamping technology applications with our manual and automatic clamping systems, rotary unions, unclamping units and electronic assistance and control systems. We even play it safe and ensure consistent levels of production quality with continuous tests under extreme conditions.

As a leading provider of complete tool clamping units, we set the trends on the market and are equipped to face all the challenges of the future. Put us to the test!

ASSISTANCE SYSTEMS

- ▲ INWEST
- ▲ KAS
- ▲ GAUS
- ▲ PLANKO
- ▲ CONDITION MONITORING



UNCLAMPING UNITS AND ROTARY UNIONS



PULLING HEADS AND CLAMPING UNITS



POWER-CHECK II





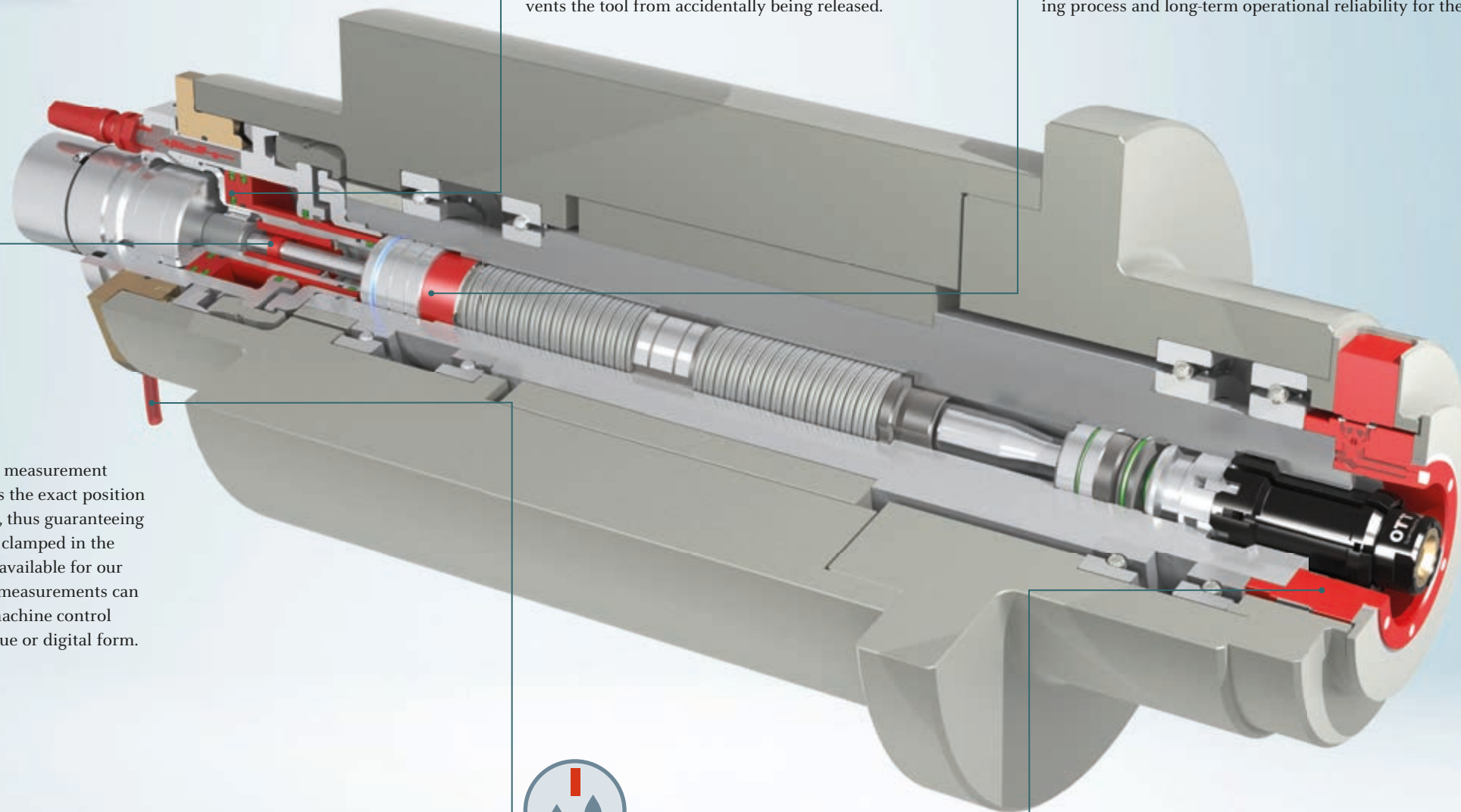
## TRUST IS GOOD – MEASURING IS BETTER

The intelligent **POWER-CHECK II** makes it possible to regularly measure the pull force of the tool in order to maintain consistently high machining quality and prevent tool damage and machine downtime in spite of external influences, contamination or wear. Like a tool, it is tool-changed manually or automatically from the machine's tool carousel or cradle. Depending on how they are taken, measurements are displayed either on the screen, via the USB interface or over a wireless connection.



### INWEST

The integrated distance measurement system **INWEST** detects the exact position of the clamping system, thus guaranteeing that the tool is securely clamped in the spindle. It is optionally available for our unclamping units. The measurements can be transmitted to the machine control system in either analogue or digital form.



### KAS

The integrated piston monitoring system **KAS** shows the exact final position of the piston of the unclamping unit. It ensures that the release piston does not come into contact with rotating elements during the machining process. This effectively prevents the tool from accidentally being released.



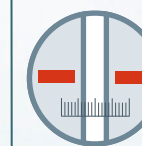
### GAUS

The telemetric monitoring system **GAUS** transfers machine data such as tension, temperature and vibrations from the rotating spindle in real time. By analysing this data, the machine control system can produce high machining quality in the manufacturing process and long-term operational reliability for the spindle.



### CONDITION MONITORING

Condition monitoring technology provides dual-tier leakage monitoring and protects the expensive motor spindle from being flooded with cutting oil and emulsion coolant.



### PLANKO

This new, advanced tool plane control technology is based on distance measurement with high-resolution sensors. These sensors can identify chips measuring 10  $\mu\text{m}$  in just 28 milliseconds. **PLANKO** is currently in the final phase of development.

**FOR US, INNOVATIVE SOLUTIONS  
ARE NO LONGER SIMPLY  
A QUESTION OF MECHANICS.**



# REAL SUCCESS STORIES START IN THE ALLGÄU REGION. AND NEW PAGES ARE ADDED ALL OVER THE WORLD.

## BASED IN ALLGÄU – AT HOME IN THE WORLD

With decades of tradition and experience, OTT-JAKOB has become a global leader in clamping systems for the machine tool industry. Our innovative solutions and global sales and service network have made us a valued partner to leading spindle and machine manufacturers.

In addition to our headquarters in Lengenwang staffed by 220 employees, OTT-JAKOB has regional headquarters in Thailand. Thousands of customers on every continent benefit from our extensive expertise in clamping technology.

## INNOVATION IS A TRADITION

The story of OTT-JAKOB started in 1873, when Albert Ott founded an institute of mathematics and mechanics in Kempten. Taking part in the world's fairs in Melbourne in 1880 and Chicago in 1893, Albert Ott was ahead of his time in demonstrating that opening up global markets was a key factor of sustainable growth. In 1974 the company developed the first power drawbar, and new chapters have been added to its success story ever since.

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## TO LIVE AND WORK WHERE OTHERS GO ON HOLIDAY: OTT-JAKOB AS AN EMPLOYER

People are the most important reason for our success. An independent family business that wishes to be synonymous with technology, quality and passion needs to have the right employees: people whose love of technology is matched only by their motivation, who show team spirit and initiative and who are determined to contribute to the success of our family business. We provide secure, attractive jobs in a wide range of professions in one of the most beautiful regions in Germany, and – in particular – we support women in technical fields.

We place great importance on flexible working hours and a healthy balance between our employees' professional and private lives. As one of the biggest employers in the region, for decades we have trained young people and given them the best opportunities for advanced training and prospects for the future in an international company.

You can find current vacancies at [www.ott-jakob.de/karriere](http://www.ott-jakob.de/karriere).





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OTT-JAKOB is  
part of the **JAKOB Group**.

LONG-LIFE CLAMPING TECHNOLOGY  
IS OUR BUSINESS. **AND A LONG-TERM  
PROMISE TO OUR CUSTOMERS.**