stamper 2025

The magazine for high-performance stamping technology

BRUDERER

BRUDERER

PRECISION – SWISS MADE

Usability redefined. Made by BRUDERER.

Ultra-modern control for stamping presses and lamination stacking

The **B3 control** brings new meaning to handling and monitoring. It is intuitive, flexible and highly functional.

BSP lamination stacking control means that process automation comes as standard, providing maximum process stability, increased productivity and the utmost in quality.

See both innovations live in action!

Blechexpo Stuttgart, 21–24 October 2025

Stand 6309 / Hall 6

B3 control

- Setting a new bar when it comes to stamping press control
- Intuitive and user-friendly
- Customisable user roles
- Minimum training required
- Quick to set up
- Smart teach-in of monitoring functions
- Future-proof

BSP lamination stacking control

- Simple, intuitive programming via B3 technology
- Maximum flexibility in terms of product design and process reliability
- One-cable plug-and-play connections
- Automatic motor parameterisation
- Quick and easy to set up and retool
- Integrated strip thickness measurement

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EDITORIAL

Dear readers,

At BRUDERER, we aim to provide you with genuine added value through precision technology, innovative application solutions and cooperation with our partners.

What that means in practice is illustrated in this edition of Stamper via two customer projects, where we were able to make sustainable improvements in the production of parts by means of targeted measures. Our customers also benefit from a competitive advantage thanks to our in house extensive range of manufacturing processes, our globally networked customer service and our new demand-orientated training offer.

Customers in Great Britain are benefitting from noticeable enhancements in our service and technical support, as demonstrated by the developments at BRUDERER UK's new location, featured in this edition.

The main highlight of this year for us are two innovations that are very much focused on the future, namely the new B3 control and the BSP lamination stacking control. Both target greater degrees of process reliability, ease of use and increased productivity. Live demonstrations will be available at Blechexpo in Stuttgart, from 21–24 October!

I hope that you enjoy reading this edition of Stamper and I look forward to meeting many of you and to the interesting technical discussions that we will have.

Reto Bruderer
CEO BRUDERER AG

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Blechexpo Stuttgart 21–24 October 2025

Experience innovative technologies first hand, discuss potential solutions and share your experience with us in person at the trade fair!

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Talum Tovarna aluminija d. d.

Increased efficiency, output and availability, all thanks to system-driven stamping technology

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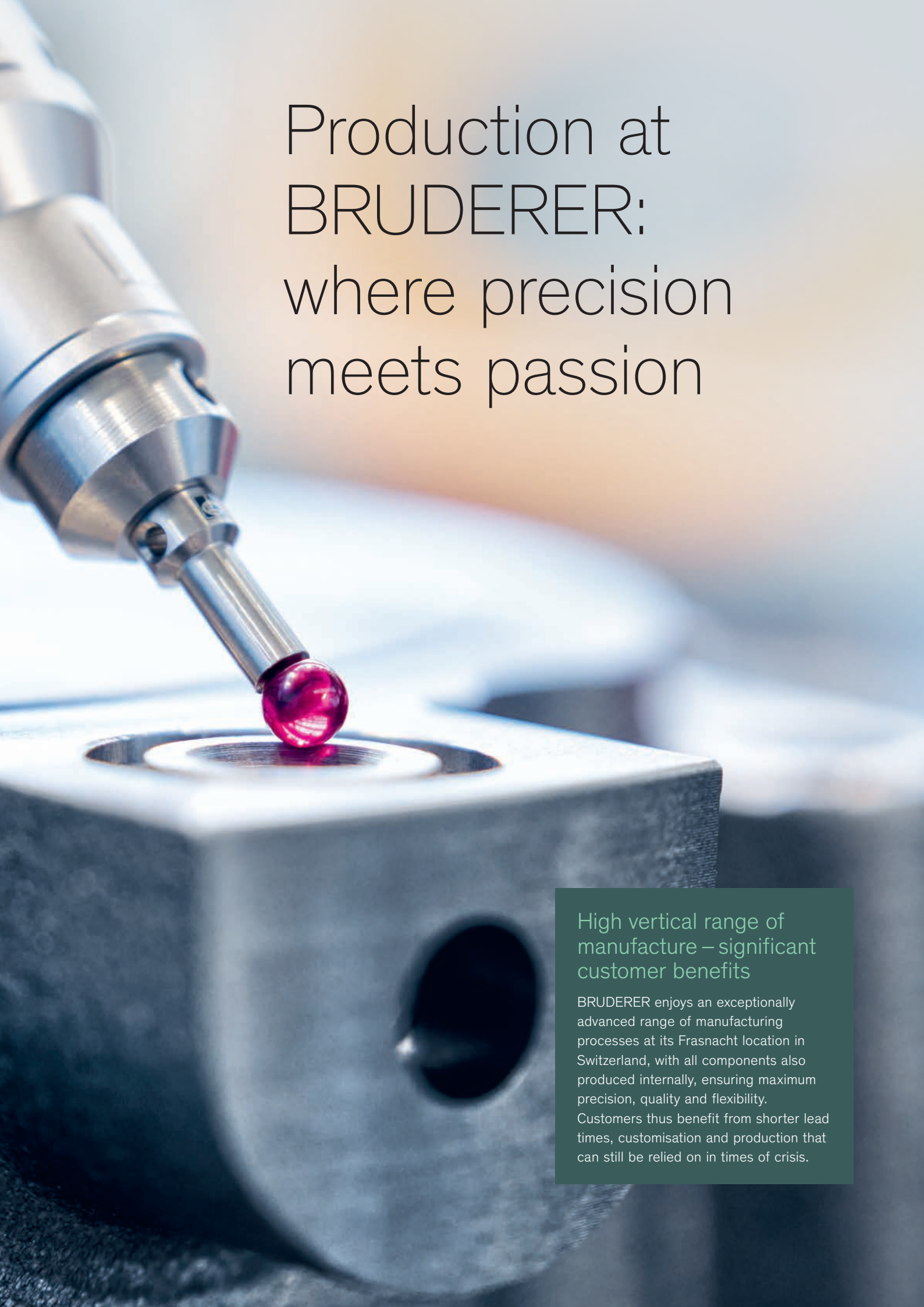


Production at BRUDERER: where precision meets passion

High vertical range of manufacture – significant customer benefits

BRUDERER enjoys an exceptionally advanced range of manufacturing processes at its Frasnacht location in Switzerland, with all components also produced internally, ensuring maximum precision, quality and flexibility. Customers thus benefit from shorter lead times, customisation and production that can still be relied on in times of crisis.

BRUDERER produces almost all of the components for its high-performance stamping presses at its Frasnacht location in Switzerland, as well as taking on contract production for a wide variety of customers from different sectors. René Lüchinger, Vice President Production, and Mechanical Engineer Orhan Sentürk, explain the importance of precision, quality and reliability in their work – and how a passion for the job is a key factor in the manufacturing process.

What sets BRUDERER apart when it comes to production is more than just technical expertise. It is the ability to master complex processes, and to do it with a passion, a reliability and a vertical range of manufacture rarely found elsewhere in the sector. Almost all of the components of a BRUDERER stamping press – from the castings to the precision levers – are made in Frasnacht. "Our philosophy boils down to one word: passion," says René Lüchinger, Vice President Production. "We produce with passion – and without ever compromising on quality, precision or reliability. This is why we consistently invest in new technologies, to remain efficient and competitive in the future." Unlike companies who outsource their production of work pieces, BRUDERER takes responsibility for its own manufacturing. "Others export their know-how, handing out detailed drawings," says Lüchinger. "We keep this expertise to ourselves, making us more independent and in complete control of quality and efficiency".

"We're convinced that investing in technology and employees is the right way to go – if you continuously keep yourselves up-to-date, you can be competitive over the long term, for your customers, your partners and for the environment."

René Lüchinger
Vice President Production at BRUDERER

Production skills for in- and outsourcing

The advanced range of our manufacturing processes enables BRUDERER to produce high-precision components not only for its own stamping presses, but also for external customers. "We are not just producers of our own products but also contract manufacturers," Lüchinger explains, "so this makes us the perfect partner for the production of pieces which require greater levels of discipline (such as milling, turning, grinding, painting and assembly)."

In-house, BRUDERER primarily processes iron-cast components, working on materials which a number of companies outsourced many years ago. "It's not easy, but for us it's a core strength. The castings can offer cost advantages and also optimum mechanical properties such as vibration damping, which is of real importance in the stamping process."

Flexible, fast and customer-orientated

The advantages of this advanced range of manufacturing processes can be seen on a daily basis, with standardised components produced to be kept in stock. As such, when an order comes in, BRUDERER does not have to start from scratch but can instead complete the fundamentals with customer-specific adaptations. "It means that we can work in parallel as opposed to sequentially in a number of cases," Lüchinger explains. "This massively reduces process times, since BRUDERER high-performance stamping presses are made up of around 12,000 individual parts." This advantage comes to the forefront when alterations are required at short notice – to the stamping area safety guard for example, or when reacting to modifications in the stamping tools used. "In extreme cases, we can still take adaptations on board up to four weeks before assembly starts, and our customers really appreciate this flexibility."

Reliable and able to meet demand

The value that is added by having a significant range of our own production was shown most recently during the COVID pandemic, with the supply bottlenecks which were created. “We managed to keep business running almost constantly,” Lüchinger recalls. “We had access to our incredibly extensive warehouse and were able to manufacture components ourselves.” This ability to meet demand has gone on to become a decisive competitive advantage, with customers knowing that production keeps on running at BRUDERER, even when it has to take a break elsewhere.

The vision to create technological advantages

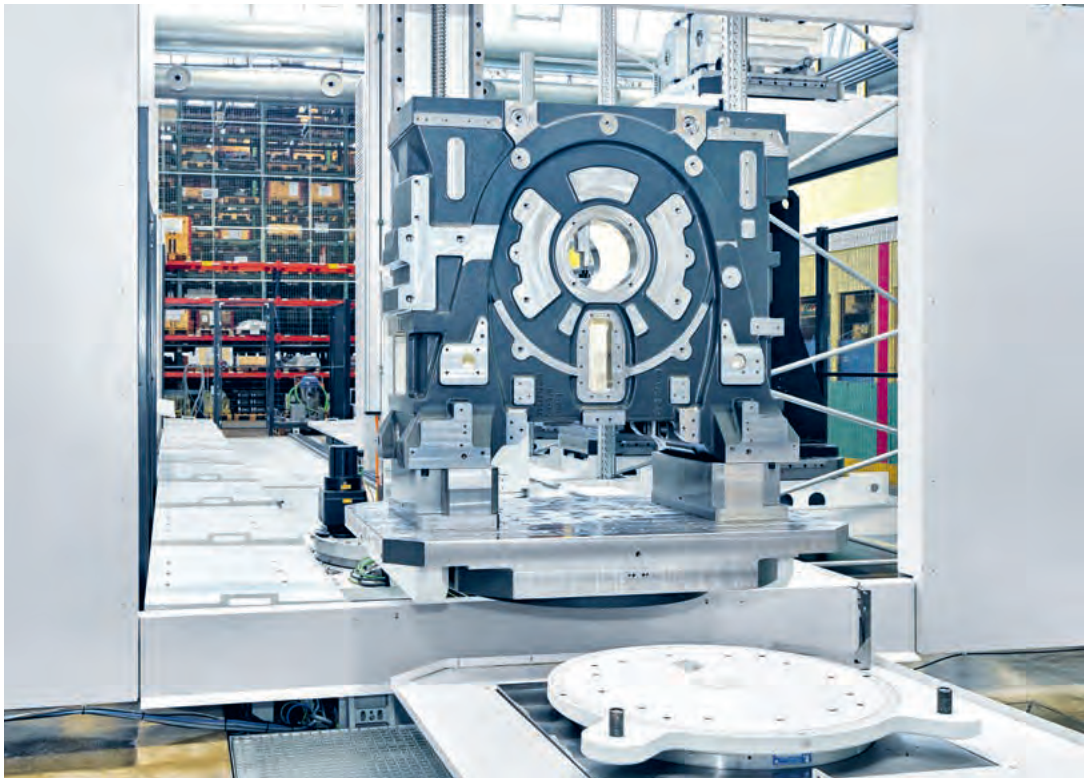
The targeted investments made over recent years play an important part in the success of in-house production. These include a new high-bay warehouse, robot cells for mounting machining centres, a modern welding robot and high-precision production systems. The investments are designed for the long term, with a 20-year timeframe. “We are investing in technology which exceeds the standards, this will keep us competitive in the long term, also being energy-efficient provides advantages,” says Lüchinger. “It means that customers will benefit from consistent high-quality levels, reduced lead times, maximum process reliability and production which features improved performance with leaner resources.”

“Customers benefit from consistently high quality, lower lead times and maximum process reliability.”

René Lüchinger
Vice President Production at BRUDERER

Combining digital processes with responsibility

As well as automation, BRUDERER is pursuing a well-defined digital strategy which fully takes into account the employees’ role, according to Lüchinger. “Our aim is to achieve a system that is fully integrated and almost paperless. Staff can see on screens which tasks are lined up, which tools they need and at what point which component has to be delivered. This reduces queries and brings a sense of calm to the proceedings.” Staff are also actively involved in the improvement processes via feedback rounds. “We’re not looking at replacing people,” Lüchinger says. “We want to involve them in the process so that it works in the best possible way for everyone involved.”



In recent years, BRUDERER has made solid investments into production that is set up to meet the technological demands of the future.

Tolerances down to the micron

Orhan Sentürk is the embodiment of how technology and people go hand in hand at BRUDERER. He has worked as a mechanical engineer for the company since 2004, primarily on the jig boring machine – a high-precision machine for the manufacture of various components. “Every day, I work with extremely tight tolerances down to microns,” he explains, “so it takes great skill, experience and an in-depth feel for the job. “I really appreciate that I can bring my experience and knowledge to the process. This allows me to plan procedures differently for each component.”

Love of technology began at BRUDERER

He first came to BRUDERER at an early age. “At school, we got to visit a local business, and BRUDERER allowed us to manufacture a simple piece in their workshop – we took a pointy block of metal and turned it into a clean and shiny pen-holder. And at that moment, I developed an interest in technology,” says Sentürk, who has kept his earliest creation as a souvenir. His job nowadays is obviously far more complex, working on levers, guides, clamping plates and other key components, some of them up to 2.5 metres long. “I love the challenge – each component brings with it new requirements. Often they are unique, some of them from older machines or retrofit projects, so you need to be creative and to plan exactly how you will manufacture them and achieve perfect results.”

High-quality machines, and excellent tools

Sentürk is fascinated with technology but aware of his responsibilities. As well as working as a mechanical engineer, he is part of the security team within the factory and a member of the volunteer fire brigade. “I like working here. We have high-performance machines, excellent tools and a good atmosphere. If you show some commitment, you get your opportunity.” He also has his own high demands to meet. “When I go home in the evening, I like to be satisfied with the work I’ve done. The quality has to be right – and it is.” Sentürk hopes that his future will still lie with BRUDERER, saying: “I’m aiming to celebrate 25 years with the company in four years’ time, and to carry out plenty of exciting projects between now and then.” ■

“It takes care, experience and a feel for the job.”

Orhan Sentürk
Mechanical Engineer at BRUDERER

Working at BRUDERER: more than just a job

“Committed staff who strive for perfection are the basis of our success,” says Vice President Production René Lüchinger. BRUDERER focuses on good team spirit, expert knowledge and long-term perspectives. Employees are given modern workplaces, the opportunity to develop their careers and an environment where achievement is recognised. Anyone who values quality, reliability and fairness will feel at home here with the company.

Are you curious to find out more about career opportunities at BRUDERER? Take a look at our website.

Careers

Find out more
www.bruderer.com/en/career/

Blechexpo 2025
21–24 October
Stuttgart

See the future of stamping at Blechexpo

The focus at Blechexpo in Stuttgart from 21–24 October 2025 will be on sheet metal processing, and BRUDERER will be present with two innovations designed for the future. Visitors to stand 6309 in Hall 6 will get the opportunity to experience the new B3 control and BSP lamination stacking control in operation on a BSTA, as well as the chance to talk shop with experts from all around Europe.

Blechexpo is one of the most important trade fairs for BRUDERER, as it gives the company the opportunity to discuss trends, present innovations and meet long-term partners and customers. Visitors to the fair, being held between 21–24 October, can expect two new products with a whole host of added value for the stamping industry, in the form of a brand new BSTA 810-145 with B3 control and integrated BSP lamination stacking control, which will be in operation at stand 6309 in Hall 6. “We will be demonstrating a complete stamping line working live which has been designed for customer-specific rotor production,” says David Lüthi, technical project manager at BRUDERER who has overall technical responsibility for the company’s presence at the trade fair. We will also be showcasing our partners, including a stamping tool courtesy of Erich Grau GmbH (see page 12 onwards) and a decoiler from Leicht Stanzautomation GmbH. “Visitors will get to see via continuous demonstrations of what our line has to offer in terms of precision, quality, efficiency and intuitive use,” Lüthi explains.

The new B3 control, with integrated BSP lamination stacking control can be seen in action at the trade fair.

New training concept being discussed

In addition to technological innovations, BRUDERER’s new training concept (see page 16 onwards) will also be on the agenda at this year’s Blechexpo. Talk with BRUDERER employees from across Europe to find out how you can benefit from it. Experts from the sales, technology and customer services departments will be in Stuttgart to help you find the right answer to the various issues that modern stamping companies are confronted with. And as you will have come to expect from BRUDERER at Blechexpo, you will certainly not leave our stand hungry.

"We will be demonstrating BRUDERER technologies live, showcasing a market-ready application for rotor lamination stacking."

David Lüthi
Technical project manager at BRUDERER

Career Friday at Blechexpo
An important aspect of Blechexpo is Career Friday, when school pupils, students and young professionals will be able to get an exciting glimpse into the sheet metal processing sector. BRUDERER will be accompanying a Swiss delegation throughout the trade fair.

BSP is up for an award
BRUDERER is setting new standards in the manufacturing of rotor-stator stacks with its innovative BSP lamination stacking control and integrated strip thickness measurement. No surprise, therefore, that the solution is up for a "best-Award 2025" at Blechexpo, and will be judged by an independent panel of experts. ■

Presentation of a complete stamping line, with plenty of scope for in-depth technical discussion at the BRUDERER stand.

Technical set-up at the trade fair

BSP lamination stacking control with rotor lamination stacking
Integrated in B3 control
Two indexing stations
Motors with a medium load range of 13.8 Nm
Strip thickness measurement integrated into the BSV feeder
Integrated conveyor control
Speeds up to 350 strokes/min.

B3 control
Intuitive usage with freely configurable home screen
Position monitoring for up to 8 channels with envelope curve monitoring
The latest in TwinCat 3.1/.Net automation technology
Integrated peripherals via OPC UA/Export

Contact

Should you have any questions regarding the trade fair and our exhibits, please contact:

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Keep up to date via our LinkedIn channel:

Experienced stamping experts pioneering the project

Getting the BSP market-ready

Erich Grau GmbH has been relying on BRUDERER technology for the past quarter of a century, and when the BSP lamination stacking control pilot project was launched in recent years, this collaboration was taken to the next level. The result was a practical control solution that has been tailored to meet exact demands – namely for increased efficiency, reduced interfaces and very high levels of user-friendliness.

Adding a new dimension to a long-standing partnership … For over 20 years now, Erich Grau GmbH, based in Sersheim in Germany, has been relying on BRUDERER stamping technology. The joint development project for the new BSP lamination stacking control took this collaboration to the next level, both in terms of the technology and the partnership itself.

Electrical devices constantly have to be more efficient, and the same applies to electric motors and the rotor-stator stacks therein. To give manufacturers such as Erich Grau GmbH the best possible support, BRUDERER joined forces over the past two years with its long-term customer to develop the BSP lamination stacking control, focusing on making it user-friendly, efficient and tailored to the actual needs of the operator. The main focus was on what is known as 'user-centric design'. "Grau was the ideal customer for this pilot project," said Andreas Stahr, Project Manager Software Development at BRUDERER. "They are very experienced in lamination stacking, prioritise quality, and work critically and constructively – and that was exactly what we needed." "The collaboration was challenging but also enormously productive for both sides," added Ronald Baiker, BRUDERER Sales Engineer and contact person for Erich Grau GmbH. "I can't wait for us to be able to implement this project together."

BSP breaking new technological ground

The BSP lamination stacking control is a new chapter for BRUDERER. The aim was to bring various modules – from indexing stations and strip thickness measurement all the way through to slide control – together in one central platform that is intuitive to use. Advice from users played a critical role in the project, as Stahr explained. "We used this lively and intensive feedback culture to continuously improve our product during the test phase – from the user interface to things like user-friendliness and function prioritisation". The development of the strip thickness measurement proved particularly demanding. In a complex environment with ever thinner electrical sheets, measuring often has to be accurate to a few thousandths of a millimetre.

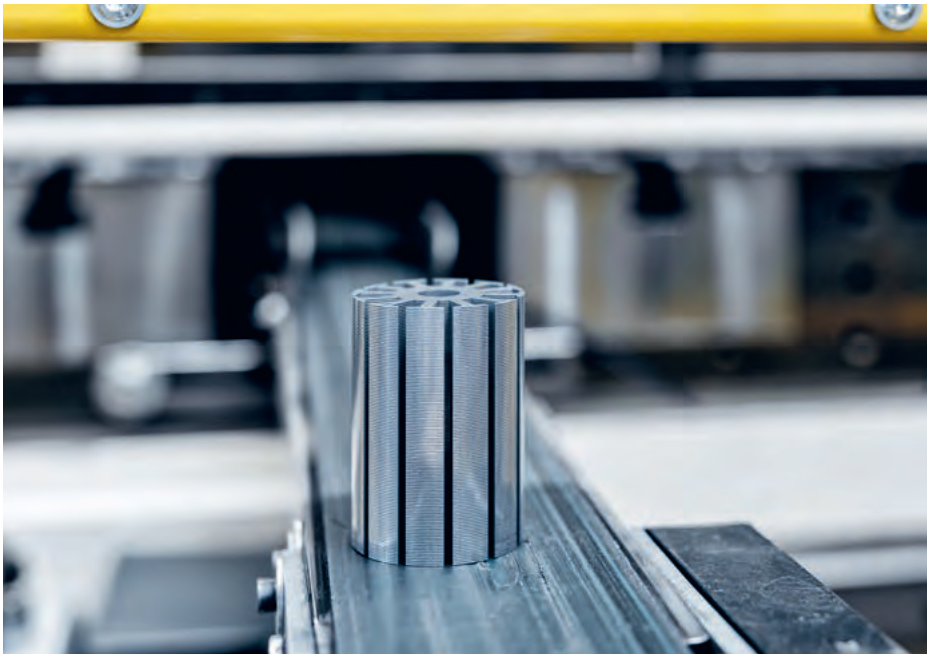
"For us as manufacturers of rotor-stator stacks, it is critical for them to be produced with as much precision as possible based on their particular shape and height. This has a real influence on the magnetic field and the efficiency of the motor," explained Günther Grau, managing partner of Erich Grau GmbH. BRUDERER was able to develop a system which allows for reliable, practical and cost-effective measuring, thus creating a clear competitive advantage. Another focus was on the

"Grau was the ideal customer for this pilot project."

Andreas Stahr
BRUDERER Project Manager Software Development

BRUDERER Project Manager Software Development Andreas Stahr (left) directly integrates feedback from Günther Grau, managing partner at Erich Grau GmbH.

B3 control enables intuitive usage.



The BSP combines precision, efficiency and the utmost in quality with plenty of freedom when it comes to designing rotor-stator stacks.

design of the user interface, which needed to be modern, clear and adaptable to each individual usage – all unique properties where the B3 control comes to the forefront.

Pilot customer looking to the future

Günther could see straight away that the new development was a perfect fit for his company. The first discussion happened during a machine commissioning in 2023, and terms were soon agreed on, with the company becoming part of the BSP pilot project. "We knew that in BRUDERER, we had a partner alongside us who not only supply top-quality machines but also provide excellent service and take customers' needs seriously," he added. Erich Grau GmbH has been producing rotor-stator stacks for over six decades now, and currently operates with eight BRUDERER high-performance stamping presses, a number of them retrofit machines. One has been fitted with the BSP system, enabling the company to use B3 technology on a press with B2 control. This combination makes the most of BRUDERER's expertise and the tool-making skills of Erich Grau GmbH.

Integrating components for added value

In addition to the technical excellence it provides, Günther really values the holistic approach that the BSP makes possible. "Press, control, feed and lamination stacking all in one, and with the launch of the B3 control for BSTA at Blechexpo 2025, it can all be done via one control," the German stamping specialist said. This complete control not only increases everyday production efficiency but also reduces sources of error which can come about due to different interfaces between individual components or even different manufacturers.

As a supplier of high-precision products for the electrical industry, stable, future-proofed processes are key for Grau, not least due to the increasing number of servo drives in the production process. This is where the BSP scores highly, with its modularity, ability to incorporate interfaces and capacity to personalise user interfaces.

"We knew that in BRUDERER, we had a partner alongside us who not only supplies top-quality machines but also provides excellent service and takes customers' needs seriously."

Günther Grau
Managing partner at Erich Grau GmbH

Partnering for the future

BRUDERER also impressed with the services they provided throughout the pilot project, from the test phase out in the field via the ongoing integration of new functions through to the support on-site from the technology and development teams. Geographic proximity certainly made quick responses and direct discussions all the easier. “The entire process was very pleasant,” Günther said. “If everything ran the way it does with BRUDERER, our work would be so much easier.” The cooperation between the two companies has also been extended beyond the end of the project in Q2 2025, with new features, updates and changes being added on a regular basis. This will provide BRUDERER with ongoing development with a strong partner on the practical business side, while Grau will be able to continuously develop their manufacturing capabilities.

End result: solid innovation

Erich Grau GmbH is not merely using but actively shaping BRUDERER’s BSP project. Transparency, practical requirements and mutual trust have taken it from a field test into a product that is market-ready, and transformed a long-term business relationship into a genuine partnership that is set to continue well into the future. “We are always interested in practical innovations for our sector,” Günther explained. “If BRUDERER has further pilot projects, we would come on board in a heartbeat.” ■

The heart of the BSP lamination stacking control.

PRODUCTS

Erich Grau GmbH specialises in the production of flat stamped parts and electric strip lamination stacks. The company’s rotor-stator stacks find various applications in a number of sectors, including the automotive industry and mechanical engineering.

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Our aim: expanding global reach and strengthening overall customer service

For customers to be able to tap into the full potential of the company's high-performance stamping presses, BRUDERER's globally networked customer service is constantly optimising the range of what they provide: from online support to readily available replacement parts and revisions. A new training concept is now set to give customers the help they need in their daily work.

"Customers particularly appreciate our incredible levels of availability. It strengthens the reputation we have in the market and is a source of motivation for our team every day," says Alexander Schläpfer, head of BRUDERER's customer service department. He has been in this role since September 2024, concentrating on expanding the services provided to enable customers to raise their stamping productivity levels. To achieve this goal, he focuses on customer feedback and input from employees. "For me, the standard for good customer service is to consistently meet expectations in terms of quality, reaction times and also costs. Embodying quality means that we gain the trust of our customers and create the basis for long-term partnerships."

Worldwide presence – a new concept of service

BRUDERER has locations all around the world, bringing them close to every customer. The company offers a wide range of services and is globally networked to provide an active transfer of expertise. The helpdesk team provides support by telephone, e-mail or remote access in the event of questions or technical irregularities. High levels of availability of replacement parts enable specially trained employees to solve issues for customers on site and in a timely fashion, which plays a significant role in reliably preventing downtimes in their BRUDERER high-performance stamping presses and their components. "It means that our customers benefit from BRUDERER's large advanced range of manufacturing processes," Schläpfer explains. "Should a replacement part not be in stock for some reason, we can quickly produce it ourselves." To close problems like these efficiently before they occur wherever possible, BRUDERER offers a global inspection and maintenance service, with overhauls and retrofits also being part of the offer.

Customer needs take centre stage

BRUDERER customer service is constantly evolving based on customer feedback and operational reports, with direct support, a worldwide service network, retrofits and overhauls as well as a newly designed modular training concept all playing their part. It ensures availability and quality over the long term while tapping into the full potential of the high-performance stamping presses.

"We meet expectations and gain the trust of our customers because we embody quality."

Alexander Schläpfer
Head of Customer Service at BRUDERER

New customer-focused training concept

"Training sessions on various topics are also part of successful customer service," says Schläpfer. Customer feedback and their concrete needs were used to further develop the content of the sessions in a targeted way. In place of the previous four comprehensive courses, there are now eight new specific training modules available, a number of which are complementary. "BRUDERER customers have very different conditions and requirements. In smaller companies, employees often take on all of these tasks themselves, while in larger ones, it's more usual to have greater specialisation in individual areas," explains Simon Jeyabalasingam, who works in customer service for BRUDERER and is one of those who carries out training sessions. With these now divided into modules, they can respond better to the demands of the individual participants and provide them with the knowledge that will give them the best support in their everyday work.

Training sessions are carried out by customer service staff, such as Simon Jeyabalasingam seen here, or directly by the relevant expert.

For Jeyabalasingam, it is important for customers to come with their own actual wishes and requirements, to establish which training sessions will help them the most. Once training has been completed, each participant receives a certificate.

From basic training to process optimisation

The training sessions are now divided into eight modules and each is available for up to four participants.

"Highly skilled employees are the basis for good products and high levels of customer satisfaction."

Simon Jeyabalasingam
BRUDERER customer services

The **Basic module** provides everyone who works with BRUDERER stamping presses – from users to machine maintenance personnel – with the most important basic information on the control, the mechanical concept, adding tools etc.

Those doing **Module 1** "Advanced operation" are given additional insights into tool set-up and monitoring as well as the functions of the press.

Module 2.1 "Electrical maintenance – diagnosis" discusses the various diagnosis possibilities, making it much easier to limit and deal with errors and to get support from BRUDERER.

Module 2.2 Electrical maintenance – hardware exchange" focuses on how to exchange certain components such as TDC encoders, and also goes into the basics and potential for error diagnosis.

Module 3 "Mechanical maintenance" is very much based on the components used by customers and goes into great detail on them.

Module 4 "BSV electrical maintenance" deals with maintenance and replacement of different components and referencing various motors.

Module 5 "BSP lamination stacking control" is currently being developed based on emerging customer needs.

Module 6 "Process optimisation" is always tailored to individual needs and involves accompaniment during production over a number of days. It enables a deep dive into untapped potential, from adjusting the settings through to stamping tool optimisation.

Artificial intelligence for customer service

As is the case with the training sessions, other aspects of customer service are constantly being checked and developed. Alexander Schläpfer, who heads this department, is currently working on further optimising knowledge transfer and digitisation within the company. He also sees fascinating development potential in terms of artificial intelligence (AI), saying: "we have come up with ideas and are working on concrete plans, as AI is becoming a must in the medium to long term for anyone looking to provide first-class customer service." ■

The new

BRUDERER training concept

Basic module For all employees working with BRUDERER stamping presses, 1 day	Module 1 **Advanced operation** For machine setters and tool-testers, 1 day	Module 2.1 **Electrical maintenance: Diagnosis** For electrical maintenance employees, 1 day	Module 2.2 **Electrical maintenance: Hardware exchange** For electrical maintenance employees, 1 day
Main aspects of the content: – Overview of control and operation – Differences in B-controls – Mechanical concept of the press – Stroke change – Tool configuration **Location of the module:** BRUDERER, Frasnacht (CH) / BRUDERER subsidiaries / on site at the customer	**Main aspects of the content:** – Stamping with training tool – Static and dynamic correction – Tool monitoring – Feed control – Servo axes **Location of the module:** BRUDERER, Frasnacht (CH) / on site at the customer	**Main aspects of the content:** – TDC correction – Maintenance interval display – PILZ safety relay – Accumulator and drive system – In-depth troubleshooting **Location of the module:** BRUDERER, Frasnacht (CH)	**Main aspects of the content:** – TDC encoder exchange – Replacement of ram height adjustment motor – Main motor exchange – Control unit exchange – Reduced troubleshooting **Location of the module:** BRUDERER, Frasnacht (CH)
Module 3 **Mechanical maintenance** Mechanical maintenance employees, 1 day	Module 4 **Electrical maintenance: BSV** Electrical maintenance employees, 1 day	Module 5 **BSP lamination stacking control**	Module 6 **Process optimisation** For process engineering / stamping tool manufacture
Main aspects of the content: – Basic settings of BSV/BBV servo/mechanical strip feed – Upkeep and maintenance – Solving mechanical blockages – Machine checks – Lubrication schedule **Location of the module:** BRUDERER, Frasnacht (CH)	**Main aspects of the content:** – BSV servo feed control/ programming – Servo feed operator's control – Finding and diagnosing errors – Exchanging components – Benefits and limitations of the safety control **Location of the module:** BRUDERER, Frasnacht (CH)	Module should be ready by 2026	**Main aspects of the content:** – Process and tool optimisation – Mentoring during production – Teaching by our application technology specialists – Individually tailored to customer needs **Location of the module:** On site at the customer

Modular learning for targeted benefits!

Would you like more information on our training offer or to make a booking for one of our training modules?
Call us on +41 71 447 75 00 or send an e-mail to sales@bruderer.com.

Talum Tovarna aluminija d. d.

A partnership in aluminium processing

Aluminium is at the heart of everything at Talum Tovarna aluminija d. d. Kidričevo. As a primary aluminium producer, the company relies on exceptionally sophisticated technological processes, with processing characterised by modern solutions. Talum is one of the world's leading producers of slugs – a semi-finished product for aluminium tubes used in the pharmaceutical, food and drink, and cosmetics industries as well as for aluminium aerosol cans, such as for deodorants. They are produced on high-performance stamping presses from BRUDERER which combine efficiency and reliability in high-precision, coordinated systems.

Talum brought its eighth BRUDERER high-performance stamping press on stream in 2024: (left to right) Danilo Turk, Process Engineer, Talum; Christian Künzler, Sales / Technical Order Processing, BRUDERER; Simon Strmsek, Director – BU Slugs and Discs, Talum; Slobodan Stevanovic, Sales Engineer East and Central Europe, BRUDERER

Talum Tovarna aluminija d. d. Kidričevo and BRUDERER have been working together since the 1980s. Their partnership started with two previously owned BRUDERER stamping presses which Talum commissioned in 1988. Due to this decision, the company achieved an initial production efficiency increase for semi-finished aluminium products. The machines proved their worth, and further high-performance stamping presses soon followed – but this time, new machines were ordered. "We were and still are immensely pleased with BRUDERER. We are particularly impressed with the fact that this company does not just supply machines – it lives and breathes partnerships. From the initial installation consultation, to ongoing service, what we see is Swiss quality and precision," explains Simon Strmsek, Director – BU Slugs and Discs at Talum, which celebrated its 70th anniversary in 2024.

Powerful partners for powerful solutions

Talum Tovarna aluminija d. d. Kidričevo produces high-quality aluminium slugs on high-performance stamping presses from BRUDERER. This long-term partnership has led to increases in efficiency, consistent processes, and optimised production. The precision and reliability of the systems provide impressive results, even under extreme conditions.

Smooth process – from start to finish

Right from the initial collaboration, the fleet of BRUDERER high-performance stamping presses at Talum has been continuously expanded: there are currently eight stamping lines with various models from the BSTA portfolio. They are part of a modern, highly automated production process that covers every step, from aluminium smelting, through slug production, to reworking and logistics.

> *"Our collaboration with Talum shows the added value available through partnership-based development."*
>
> **Slobodan Stevanovic**
> Sales Engineer – East and Central Europe, BRUDERER

Any waste material resulting from slug stamping is returned directly to the smelting furnaces at the start of the process. This is one of many measures implemented by Talum for exceptionally sustainable production.

To be certain that every process runs smoothly and at maximum efficiency, BRUDERER had to overcome various challenges – above all, those resulting from working with aluminium. "This is a very soft material which makes strip feeding more difficult," explains Slobodan Stevanovic, Sales Engineer at BRUDERER with responsibility for Talum. However, this problem has been completely resolved thanks to the adapted mechanical feed.

TALUM also produces strips up to 600 mm wide and 1 mm thick – to meet specific customer requirements.

24/7 operation

Further decisive improvements have been achieved in recent years through close cooperation. By making a technical modification to the feed, a significant increase in performance has been achieved for certain types of slug – from a previous value of 50,000 tonnes per annum to up to 80,000 tonnes. At the same time, process reliability under continuous load has been improved, which represents one of the most important benefits of the BRUDERER high-performance stamping presses and their associated components. "Our most significant areas of added value are the result of perfect integration of all the press line components. By ensuring they work together seamlessly, the return in efficiency has exceeded the investment in individual components," comments Simon Strmsek. "The planning security this provides is particularly important. Production processes with no unforeseen disruptions allow us to promise our customers firm delivery deadlines while, at the same time, we can respond flexibly to market demands." Today, production effectively runs 24 hours a day, 365 days a year, in order to service clients from the pharmaceutical, food and drink, and cosmetics industries as well as the automotive and electronics sectors.

"From the initial installation consultation, to ongoing service, what we see is Swiss quality and precision."

Simon Strmsek
Director – BU Slugs and Discs for the Talum Group

BRUDERER consistently tailors solutions to Talum

Close collaboration has allowed the use of tools manufactured in-house by Talum to be optimised in a variety of ways. This has extended tool service life and increased production efficiency. Tool-changing times have also been significantly shortened through solutions developed together. Today, hydraulic clamping is used instead of manual clamping, which works more efficiently, as well as offering greater control. In addition to this, the integration of peripheral components, such as strip decoilers, guidance systems and feed technology, has been consistently aligned to on-site conditions. This press line maintains high uptime and consistent performance, even with challenging materials. "Our collaboration with Talum shows the added value available through partnership-based development," says Slobodan Stevanovic.

The ultimate stamping solutions

The high heat resistance of the high-performance stamping presses in use did not have to be specifically tailored to Talum's requirements, but it is nevertheless impressive. As they operate only approximately 20 metres from the smelting furnaces, this demonstrates their reliability under extreme conditions. This could be a problem for other presses, but not for BRUDERER's. Thanks to their optimum kinematics, BRUDERER stamping presses have extremely high thermal stability. The ambient temperature has a negligible influ-

ence on their mechanism and precision. “The quality of our machines, our expertise, and our willingness to work with our customers to extract the maximum from the stamping processes, mean we offer them the ultimate stamping solutions,” explains Slobodan Stevanovic, emphasising the importance of having a wide range of services. Simon Strmsek is also convinced of this, referring back to when two BRUDERER high-performance stamping presses were commissioned the previous year: “Continuity and reliability are what makes the long-term partnership between Talum and BRUDERER so valuable. When we need BRUDERER, the company’s employees are there for us: whether it’s for technical queries, maintenance tasks, or to optimise our production processes. The engineers who come to us are outstanding, professional people. Their technical expertise together with their personal qualities makes every service visit a positive experience.” Due to a high level of satisfaction in every area, Simon Strmsek is already clear that he will turn to BRUDERER again for future investments.

PRODUCTS

Talum Tovarna aluminija d.d. Up to 140,000 tonnes of aluminium is processed at Kidričevo per annum.

This includes up to 80,000 tonnes for the production of slugs as semi-finished products for the pharmaceutical, food and drink, and cosmetics industries as well as for technical applications in the automotive and electronics sectors.

The product range also includes aluminium discs and aluminium strip.

TALUM

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New Location, new Opportunities

BRUDERER UK Invests in the Future

BRUDERER UK Ltd. is strengthening its position in the British market with the opening of a state-of-the-art facility in Telford. The new Centre of Manufacturing Excellence combines cutting-edge technology, customer proximity, and sustainability, while driving future growth through new training positions and an expanding team of skilled professionals.

After 12 months of construction, BRUDERER UK Ltd. unveiled its new location this April in Hortonwood, Telford – widely regarded as the heartland of British manufacturing and engineering. The modern facility spans 10,000 square metres, designed to support the high-performance, forward-thinking manufacturing sector. It also sends a strong message that BRUDERER AG's British subsidiary is committed to long-term success in the UK.

Driving Quality and Innovation

The new Centre of Manufacturing Excellence marks the next chapter in BRUDERER UK Ltd.'s success story, which began 57 years ago with its mission to support British industry through high-performance stamping technology. The company designed this advanced facility from the ground up, choosing to invest in a purpose-built structure that embodies its commitment to quality and innovation in British manufacturing.

BRUDERER UK Ltd. milestones

1968

BRUDERER UK Ltd. is established in Luton, Bedfordshire – becoming the first international subsidiary of BRUDERER AG, a **global leader in high-performance stamping technology.**

1970s – 1980s

Rapid expansion, with BRUDERER presses widely adopted across multiple sectors. **By the late 1980s, more than 1,000 machines were operating in Great Britain and Ireland.**

1990s – 2000s

Market shifts due to globalisation and production relocations. **Focus moves to service, existing customer support, and operational flexibility.**

Features of the New Facility at a Glance

- 10,000 m² Centre of Manufacturing Excellence in Telford
- Modern showroom for live demonstrations of new, used, and fully integrated production lines
- 25-ton crane for large stamping presses, plus a one-ton pillar-mounted crane
- Specialised workshop area for refurbishment and painting
- Tool trial and press testing and development area
- Training rooms, offices, and a cafeteria for employees and visitors

2007

Under the leadership of Adrian Haller, the company strengthens its core competencies, expands customised system solutions, and builds strategic partnerships with automation and stamping tool suppliers.

2023

Decision to construct a new state-of-the-art facility in Telford, securing long-term market positioning.

2024–2025

Completion of the Centre of Manufacturing Excellence, featuring a 10,000 m² showroom, workshop, tool and press test areas, and sustainable infrastructure.

Today

BRUDERER UK Ltd. is recognised as a trusted partner for high-speed precision stamping & turnkey solutions, together with comprehensive customer service in the British market.

A fully equipped showroom is at the core of the new building in Telford.

"This is more than just a building – it is a statement of belief in the future of British industry and the strong partnerships we have cultivated with our customers," says Adrian Haller, Managing Director of BRUDERER UK Ltd. "For the first time in our 57-year history, we have a purpose-built facility that showcases the best of what we do and represents our vision for the future."

A Purpose-Built Facility with Cutting-Edge Infrastructure

BRUDERER UK Ltd.'s new Telford facility was developed to meet its specific operational needs, combining functionality, efficiency, and modern architectural design.

At its core is a fully equipped showroom, where high-performance stamping presses, turnkey solutions, and the rebuild of fully certified pre-owned machines that can be demonstrated and tested. Customers can experience their own future production lines under real-world conditions, determining key parameters before delivery – reducing commissioning times and enhanced planning ability.

"The new building allows us to consolidate all our capabilities under one roof," Haller explains. "From live demonstrations to full production line integration, everything is now available in one place."

The centre also features modern training and meeting rooms, a cafeteria for employees and customers, and a dedicated refurbishment workshop area that includes an impressive 25-ton crane for manoeuvring stamping presses during refurbishment.

Customer-Centric Solutions and Service Excellence

With this new location, BRUDERER UK Ltd. is not only expanding its technical capabilities but also reinforcing its commitment to customer service. From the initial planning phase, each customer's unique requirements are carefully considered, implemented in tailored system solutions, and demonstrated in the showroom. Whether selecting the right machine components – such as servo feeds – or integrating entire production lines, customers benefit from direct access to expertise, efficient workflows, and early-stage design.

"This is more than just a building – it is a statement of belief in the future of British industry and the strong partnerships we have cultivated with our customers."

Adrian Haller,
Managing Director of BRUDERER UK Ltd.

After commissioning, BRUDERER UK Ltd. ensures ongoing precision and efficiency through comprehensive service and maintenance programs, guaranteeing continued performance at the highest level.

"Our responsibility doesn't end at machine delivery," Haller affirms. "We see ourselves as long-term partners to our customers, providing support from concept development through to continuous optimisation of production processes."

Sustainability as a Core Principle

The Telford facility also sets new standards in sustainability. From the outset, the building was designed for maximum energy efficiency and is equipped with cutting-edge air-source heat pumps, a comprehensive heat management system, and extensive photovoltaic panels on the roof.

Generating a significant portion of its own energy, the facility not only lowers operating costs but also reduces CO_2 emissions. Intelligent control systems dynamically adjust heating, ventilation, and lighting based on demand, further improving efficiency.

BRUDERER UK Ltd. also takes a sustainable approach to customer service, reducing transport-related emissions by enabling shorter travel distances for UK-based clients.

"Sustainability isn't just a bonus for us – it's essential," says Haller. "This facility is a tangible commitment to reducing our carbon footprint while ensuring long-term operational efficiency – a win for both us and our customers."

Investing in Skilled Employees and Future Talent

BRUDERER UK Ltd. is using its new facility to drive further growth and strengthen its team. It currently has a workforce of 14 employees, with plans for further recruitment over the next five years.

Additionally, BRUDERER UK Ltd. is heavily investing in training programs to develop young talent, creating apprenticeship opportunities focused on practical learning and long-term career development.

This emphasis on skills and knowledge will ultimately benefit customers, allowing BRUDERER UK Ltd. to deliver even more targeted machine solutions, expert personalised advice, and comprehensive service – enhancing the customer experience from start to finish. ■

A bright entrance hall welcomes visitors.

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BRUDERER
PRECISION – SWISS MADE