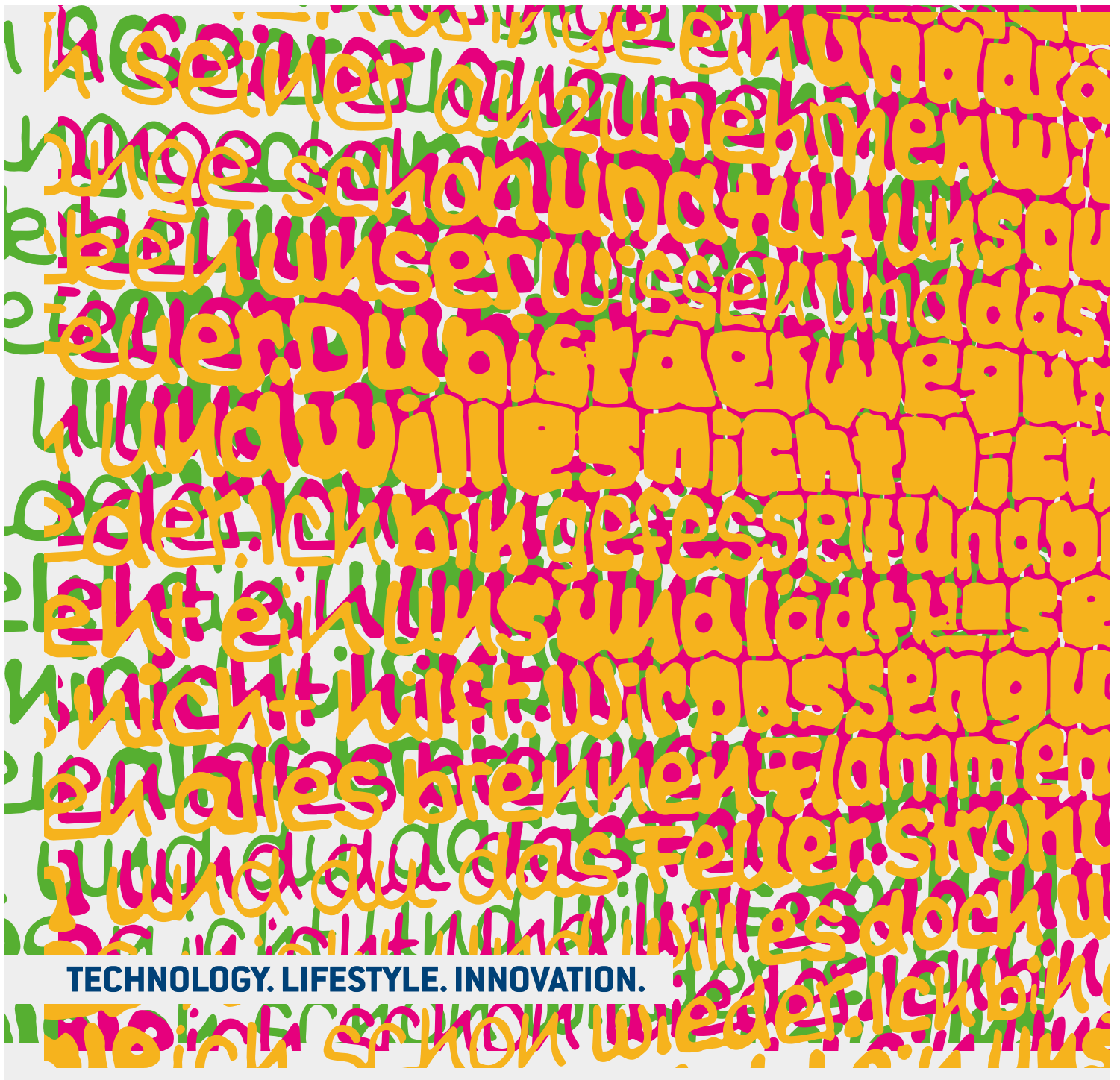


VIEWPOINT.

THE TTV MAGAZINE FOR CUSTOMERS AND FRIENDS OF THE COMPANY.



TTV SERVICE COMPETENCE.

TAILORED SOLUTIONS FOR INDIVIDUAL CUSTOMER REQUIREMENTS.

As a specialist in the area of seal and sliding bearing technology, ttv offers a comprehensive range of services that extend far beyond pure development and production. The company has extensive service competence, ranging from the provision of customised packaging units through to assembly, and customer-specific product adaptations.

Repair service

Not only is the repair of mechanical seals a sustainable option, it also makes sense from an economic perspective. Compared to buying new, repairs are usually considerably cheaper, saving not only time but resources too. ttv has a team of competent specialists who can repair mechanical seals quickly and reliably.

We always make sure that the repair work is carried out to a very high quality in order to guarantee a long service life for the seals. The repair of mechanical seals is also recommended from an economic perspective. Reusing the seals saves both the raw materials and the energy that would be needed to produce new seals. This makes an important contribution to environmental protection and sustainability.

The ttv specialists are able to repair all types of mechanical seals regardless of manufacturer or size. We always carry out repairs quickly and reliably, in order to minimise downtimes and ensure the smooth operation of your systems. Overall, the repair of mechanical seals is an economically and environmentally sensible alternative to buying new.

Assembly and packaging

The assembly of sliding bearings and seals is a key component of ttv's service portfolio. The company gives its customers the opportunity to create their own packaging units that meet the requirements of their particular area of application. There are a number of different packaging versions available, from simple cardboard packaging and plastic containers right through to specially produced wooden or metal boxes.

As well as packaging, ttv also offers a customised labelling service, as well as fitting products with product tags. This makes it possible to attach important information such as item number, product description or QR code directly onto the product. Not only does this help with the storage and transportation of the seals, but also with the identification and tracking of products.

fitting service

Another key service offered by ttv is the fitting of O-rings. In this particular area, the company has a team of trained personnel who professionally fit and install the products into components and assemblies. We work to the most stringent quality standards here in order to guarantee the optimal functioning of the seals and bearings.



Customer-specific adaptations

Beyond assembly and fitting, ttv also offers customer-specific product adaptations. This is where a customer's specific requirements can be put into practice. For example, a hole can be made in end caps in order to guarantee compatibility with other components. Part labelling can also be provided at the customer's request in order to achieve better traceability within the production process.

Another aspect of customer-specific product adaptations is the surface treatment. This could involve, for example, the application of Molykote in order to reduce the surface friction of the O-ring. This would mean that an O-ring could be used for a dynamic application, for example, or it could allow for separation during automated assembly.

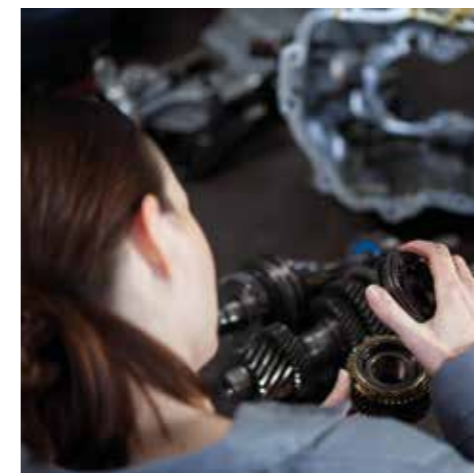
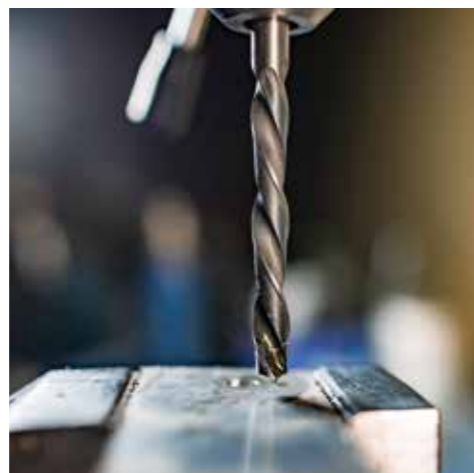
ttv also offers customers the chance to choose their desired colours when it comes to the elastomers. The customers can therefore select a seal colour that matches their corporate identity, or they can choose certain colours that ensure a clearer distinction between parts or allocation to different areas of application. With these customer-specific product adaptations, ttv provides its customers with increased flexibility and tailored solutions to meet their requirements.

Kanban delivery and dropshipping

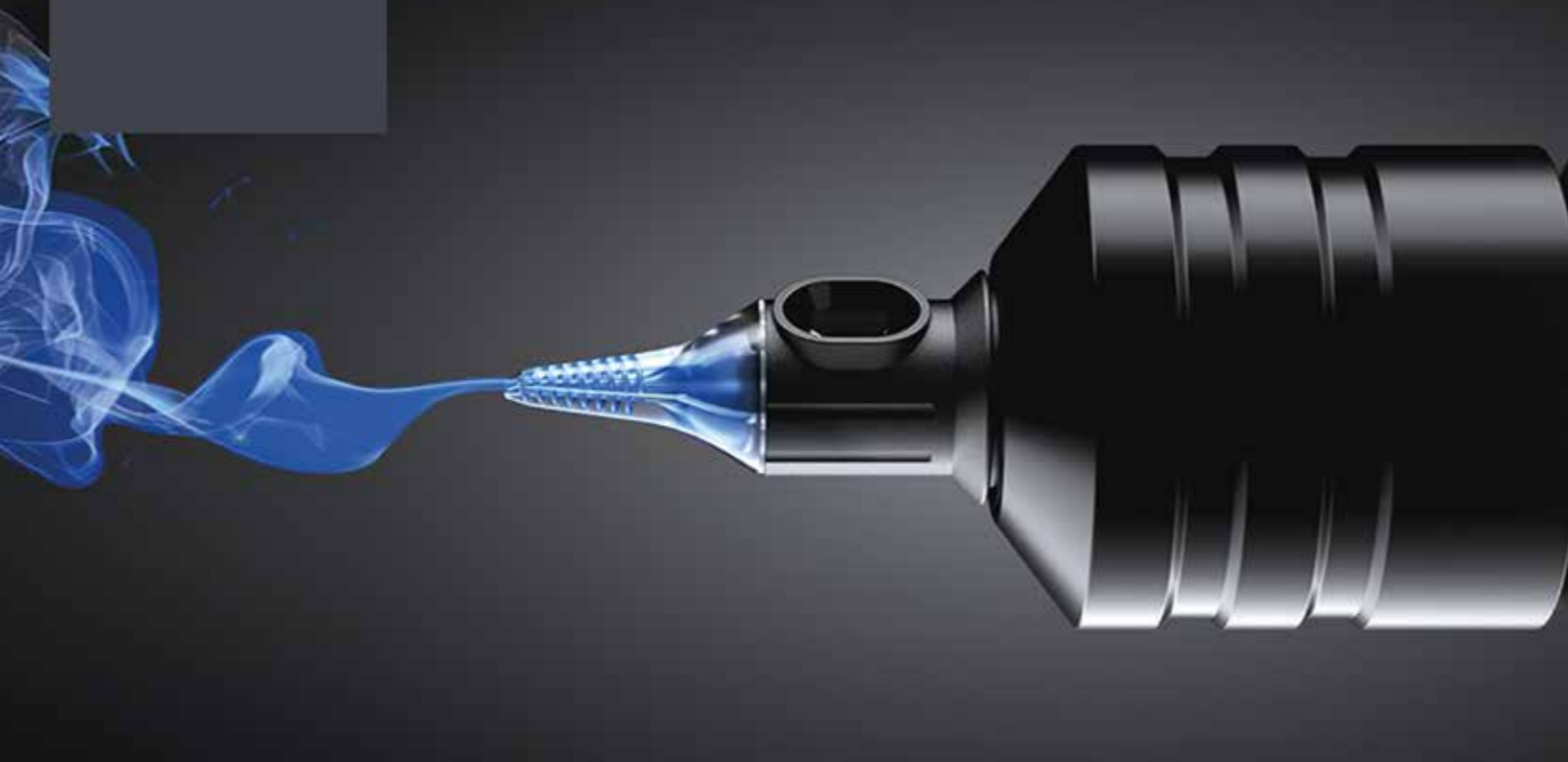
With kanban deliveries, ordered items are shipped by ttv to a logistics service provider or directly to the customer. The process is based exclusively on the actual usage of the items at the place of provision and use. Thanks to the electronic ordering system and the direct collaboration with the logistics service provider, orders can be tracked in real time. As a result, the customer has an overview of its orders at all times, allowing it to react at short notice to any changes or modifications.

Third-party processing, also known as dropshipping, is another of the services offered by ttv. As part of this service the products are delivered straight to the end customer without intermediate storage, allowing for maximum cost efficiency and speed.

With this comprehensive service portfolio and the high level of service it provides, ttv is your reliable, flexible and innovative partner in the area of sliding bearings and seals.



MT.DERM



TTV BEST PRACTICE SERVICE

MARKET LEADER IN TATTOOS, PERMANENT MAKE-UP AND MICRONEEDLING EQUIPMENT.

MT.DERM is the market leader for instrument-based cosmetics when it comes to the injection of substances into the skin. As well as working on cosmetic applications and the development of innovative tattoo equipment, MT.DERM is also a medical technology company that has had a lot of success in the area of medical applications. With its headquarters in Berlin, the company's underlying values are quality, innovation and safety, and it has set itself the goal of setting the gold standard in all three areas. The company has split its activities into six competence fields, and delivers its products to over 40 countries worldwide.

With its own brand amieamed®, MT.DERM is also a cooperation partner in the area of acne scar treatment. Cheyenne® is the brand of professional tattoo equipment that transformed

MT.DERM into the global market leader in the area. With its devices for injecting substances into the skin, the OEM partner company is successful in the area of skin rejuvenation as well as in traditional permanent make-up. This also applies in the cosmetics market, where the company offers a wide range of devices, handpieces and pigments under the amiea brand.

The development and improvement of high-quality and medically harmless pigments is one of the areas where the company sees the most demand, thanks to the work of its own in-house research department. MT.DERM also places a huge amount of value on further development, innovation and knowledge transfer. The company therefore provides a platform for cosmetic and paramedical dermatology in the form of the Permanent International Congress.



ttv technology establishes itself on the market with specific replacement part kits.

ttv technology has established itself as a provider of customised services for MT.DERM for over 10 years. The collaboration with ttv technology started in 2012, and initially involved the series production of seals for the various tattoo pens.

ttv technology was able to win over the company right from the start thanks to its top quality, precision and delivery capability. With the specific spare part kits, another important area of collaboration was developed that extended beyond the series production of seals.

The spare part kits contain both ttv seals and other spare wearing parts, with ttv technology taking care of everything from their procurement, stocking and assembly right through to shipping to the central warehouse.



MT.DERM provides its customer with these spare part kits in order to guarantee a continually high level of availability in the tattoo studios.

Due to ttv technology's high level of service competence, new opportunities have also been opened up for MT.DERM, which it is hoped will lead to further intensification of the collaboration in the future.

Purchasing Manager Philipp Kertscher is extremely positive about the partnership:

"With the specific spare part kits, ttv technology has developed a fantastic solution for us that allows us to provide our customers with genuine added value. As well as the high product quality, we also appreciate the flexibility and consultancy competence of the entire team".

A REASON TO CELEBRATE.

TTV HONOURS THREE POWERFUL WOMEN FOR THEIR 10-YEAR SERVICE.

In a lot of companies, it's a rare accomplishment for employees to have long periods of service. But at ttv, there are three employees who can collectively look back on a total of 30 years on the team. Sofia Schneider, Jasna Hammer and Elisabeth Gira have all recently celebrated their 10-year anniversary of joining the company.

Sofia Schneider works on the Sales team, and is responsible for supporting and acquiring customers, as well as for providing assistance to management. Jasna Hammer has also been part of the company for ten years, and works in the Accounting department. She is responsible for ensuring proper accounting and for employees' wageslips. Elisabeth Gira works in Internal Sales and Marketing, and has developed and implemented numerous marketing campaigns for the company over the past ten years.

Harald Nitzschke presented the three employees with a bouquet of flowers for their 10-year anniversary. They thanked them for their long-standing loyalty and dedication to the company.

It seems that a high level of employee satisfaction and long periods of service are key pillars for the success of a company. ttv is proud to have employees who have been loyal to the company for a long time and who therefore make an important contribution to the company's success.



from left to right: Sofia Schneider, Harald Nitzschke, Jasna Hammer, Elisabeth Gira



Kurt Cobain, frontman of the band Nirvana and influential figure in the grunge genre, is another example of a personality who is embodied in SAXA's works. With his painting technique and his words, SAXA expresses the mood and issues surrounding the grunge movement and evokes Cobain's importance as a symbol of youth culture in the 1990s.

A REFLECTION OF CORPORATE CULTURE.

TYPOGRAPHIC ART AT TTV.

SAXA, also known as Sascha Lehmann, uses a special painting technique for his artworks: He writes on canvas with ink to create word paintings that combine the areas of literature and visual art in a unique way. This technique allows him to reinforce or challenge connections, themes and statements.

The use of screen printing as a medium for these portraits gives them a unique texture and depth that sets them apart from digital or printed images. The screen printing process requires a lot of craftsmanship and patience to create each image. Each portrait by SAXA is a unique piece which is only available in limited numbers.

SAXA's artworks demonstrate not only his artistic gift and unique painting technique, but also his ability to interpret and convey complex topics and personalities in a special way.

Having SAXA's images in the office rooms at ttv can be seen as symbolic of the corporate culture and the success of the company. By displaying these unique artworks, ttv is signalling to its employees and customers that it values art and creativity and is committed to wider cultural education. The company is also demonstrating its appreciation of historical personalities who are known for their extraordinary achievements in art, music and philosophy.



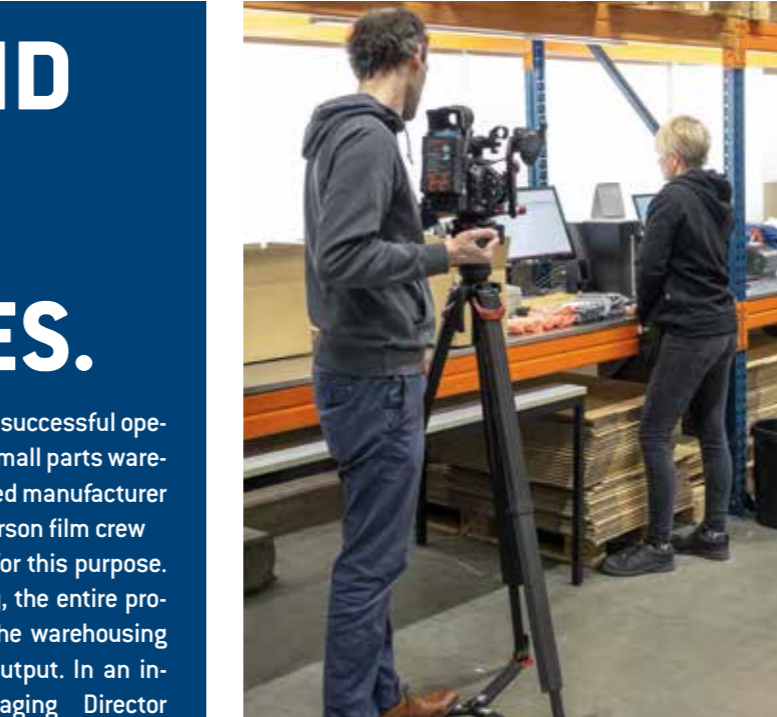
Frida Kahlo, the famous Mexican painter and feminist, is known for her provocative and expressive self-portraits. With his painting technique and unique interpretation of Kahlo's personality, SAXA manages to visualise her artistic expressiveness and her significance as an icon of the feminist struggle.

John Winston, better known as **John Lennon**, the legendary Beatles singer, is also depicted in SAXA's works. With his word paintings and symbols, SAXA expresses the music and visions of John Lennon in a unique way and manages to show the importance of music as a universal language by means of typographical presentation.




Jim Morrison, singer, songwriter and frontman of the Doors, was a dominant figure in the rock and pop music of the late 1960s. He was one of the most influential musicians of his time, and his music and lyrics have inspired generations of fans and artists. As a rebellious and unconventional artist who pushed boundaries and attracted attention with his music and lyrics, Jim Morrison embodies the ideal of free thinking and creative freedom.

ART@NEUEHEIMAT



BEHIND THE SCENES.

In order to document the successful operation of the automatic small parts warehouse at ttv, the renowned manufacturer Swisslog sent a three-person film crew to Illertissen especially for this purpose. Over the course of a day, the entire process was filmed, from the warehousing stage right through to output. In an in-depth interview, Managing Director Harald Nitzschke talked about the excellent collaboration with Swisslog and the benefits of the automated warehouse logistics.

The full film can be found here: 



EFFICIENCY MEETS PERFORMANCE.

TTV USES AUTOMATED WAREHOUSE SOLUTION FROM SWISSLOG.

Swiss company Swisslog is one of the world's leading manufacturers of logistics automation solutions. Since entering the new company site at Von-Helmholtz-Straße in Illertissen, ttv has been operating a latest-generation automated small parts warehouse.

For ttv, investing in the warehouse automation solution from Swisslog was an important step in strengthening its position as a provider of solutions in the area of sliding bearing and seal technology. The automated warehouse solution from Swisslog allows ttv to process orders quicker and more efficiently while also increasing its warehouse capacity. The automation will also reduce the workload on employees and will help to increase safety in the warehouse.

In order to utilise the full potential of the investment in the warehouse automation solution, ttv worked with Swisslog to adapt the processes to the company's needs. The solution consists of a warehouse and order-picking system for small parts that can move goods into and out of storage safely and effectively. Automated conveyor technology connects the shelving system to the order-picking system in order to guarantee the quick and efficient processing of orders.

The investment in the warehouse automation system is part of ttv's growth strategy. The company has set itself the target of further strengthening its position as a provider of transport and logistics solutions and of expanding its range of services and solutions. Automation and digitisation play a key role here, as they enable the company to work in a more efficient and productive way while offering its customers higher levels of quality and flexibility.



PROCUREMENT, PRODUCTION AND LOGISTICS ON THE UP.

POSITIVE DEVELOPMENT DESPITE CHALLENGES.

For a lot of companies, the transport and logistics sector and material procurement can be delicate influencing factors. In times of rising costs and fluctuating delivery times in particular, it is extremely important for the planning and production of goods that companies remain up to date with the latest developments. The following section is designed to give you an overview of the current situation in these areas and to point out both the positive trends and the ongoing challenges.

Transport and logistics

After a very long period of bad news, we can finally confirm that the transport and logistics sector is experiencing a positive development. Freight rates, capacities, but above all transit and follow-up times have been consistently improving since the first quarter of 2022. Even though our production levels have not yet reached 2020 levels due to a very high order backlog and a production time of around 9–10 months, the improvements in the transport chain are having a positive impact. Our customers have received the modified order confirmations with the earlier desired dates. This means that they will be able to deliver the goods to their customers promptly and on time.

Development of material prices and production costs

With the exception of some individual materials and compounds or processing agents, most primary materials can now be ordered with normal delivery times again. Fortunately, we are also seeing price trends for primary materials return to normal levels for the first time in years. Looking back on the last few months, prices have been stagnating at a high level. The opening of the Chinese market at the start of this year and the resulting demand need to be closely monitored in rela-

tion to availability and cost developments. This may lead to contrasting developments over the short term. The evaluation of the production cost development shows that these have also stabilised at a high level.

Overall cost development in Germany

Location-related differences have had a major impact on procurement, particularly over the last year. Germany and Europe have increasingly found it difficult to position themselves well by international comparison. Energy costs in particular have been, and continue to be, a key factor in all calculations. The labour cost development is also proving challenging in terms of the competitive position. There are also barely any areas or sectors that are responding to this without increasing costs and prices. We saw a double-digit percentage increase in 2022, and further price and cost adjustments are also to be expected for the current financial year 2023. As a result, our peripheral costs, which are not necessarily connected to the part or product price, will however need to be adjusted in our calculation.

We are confident that we will overcome the challenges together with our customers and that we will continue to be successful on the market. This is why we will continue optimising our products and processes and coming up with innovative solutions in the future in order to offer our customers the best-possible service.

HARRY K. BAR # EATERY

THE EVENT LOCATION FOR BOTH BUSINESS AND PRIVATE FUNCTIONS.

The Harry K. bar#eatery offers a modern and stylish atmosphere for various events such as business meetings, seminars, conferences, workshops, incentive events, weddings, communions, birthdays and family parties. The accessible rooms are fitted with all the necessary mod-cons such as air conditioning systems, WiFi, large screens, projectors, sound systems and flip-charts, and provide space for up to 90 people. There are also two meeting rooms designed for up to 10 and 20 people.

The competent on-site team is on hand to ensure perfect organisation and personal service from the moment you step through the door to the moment you leave. The location offers selected menus and exclusive drinks accompaniments, stylishly laid tables with high-quality tableware, and service by trained waiting personnel. Extra requirements are met with a smile, and the team is happy to help with the selection and contracting of decoration, artists, childcare, accommodation in the surrounding area and anything else that might be needed.



The location also has optimal transport links to the A7 and DB as well as a range of accommodation options in the immediate vicinity. All in all, the venue is the perfect backdrop for creating a space for conversation and creativity and for turning every event into an unforgettable experience.

SPONSORING YOUNG PEOPLE @ TTV

THE HSG ILLERTAL YOUTH TEAM ON TOUR.

As well as the jersey sponsorship by ttv, Harry K. is now also supporting the HSG Illertal youth handball team. If additional capacity is needed, Harry K. will provide a van with driver for away games and tournaments.

The Harry K. bar#eatery is proud to be contributing to the promotion of youth sport in the region and of accompanying the HSG Illertal youth team on their journey. This will also help to foster the sense of community and the dedication of the young athletes.

The HSG Illertal youth team is delighted about the generous support and expresses its heart-felt thanks. The use of Harry K. vans means that the team and its supporters can



travel to away matches and tournaments safely and conveniently. So there's nothing that can stand in the team's way on its journey to sporting greatness.

The Harry K. team wishes the young athletes every success for the current season!

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