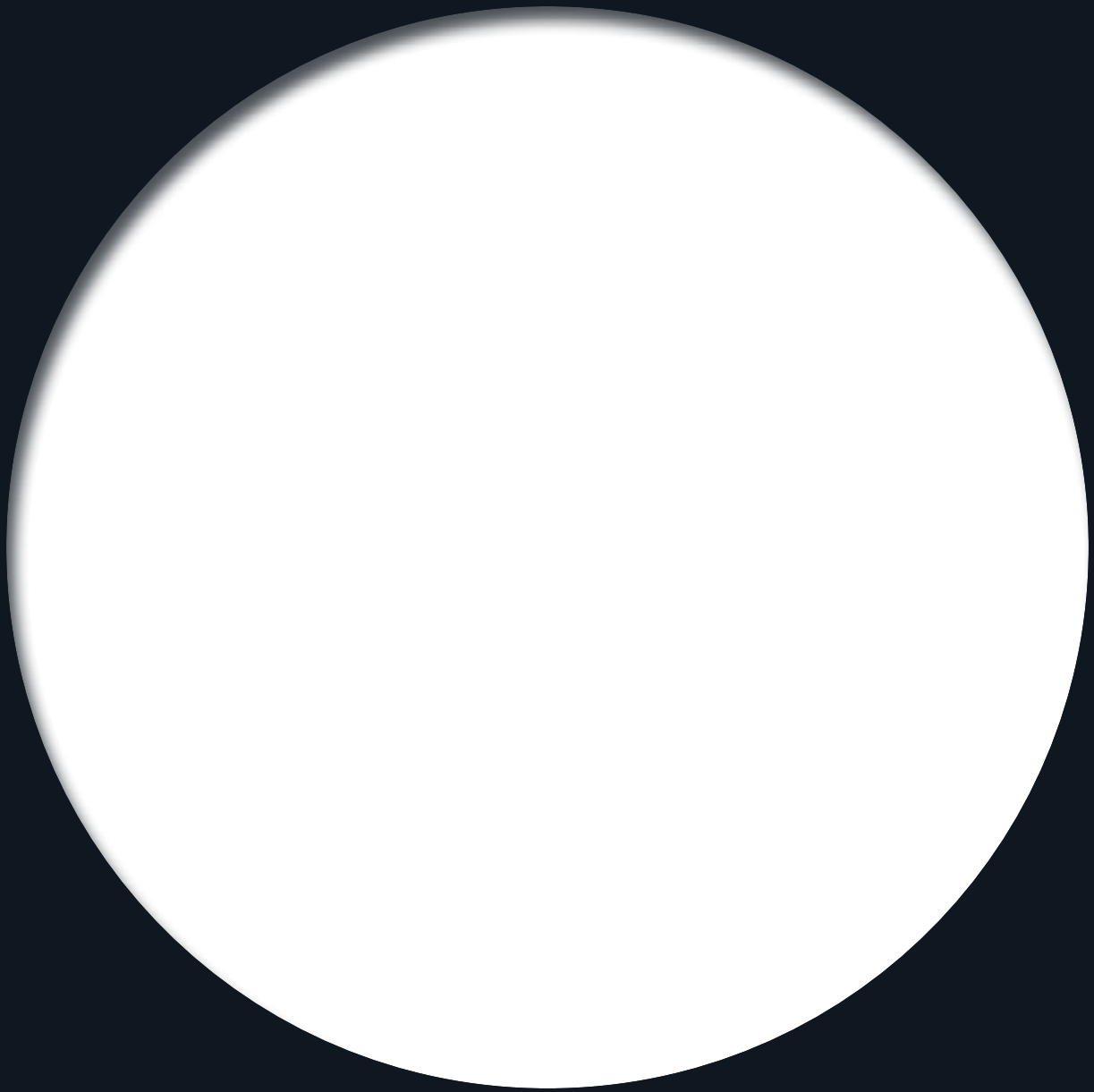


Digital Load Pass
More than just a label

A new era begins
Mosca opens new manufacturing
facility in Malaysia

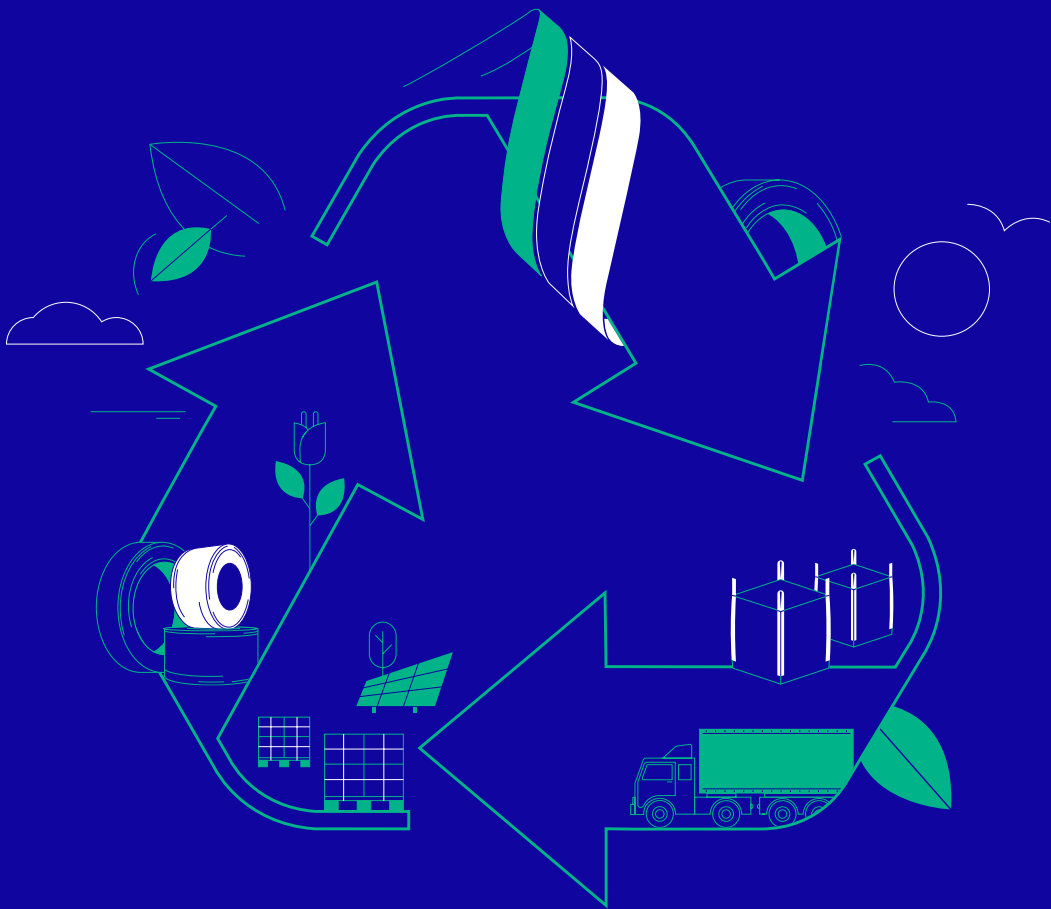
MCB-3
New generation of inline
strapping machines



Loop that!

Mosca announces the launch of its forward-looking project "Loop that!". In partnership with Interzero, a closed loop for straps will be established to make optimal use of resources, minimize waste, and contribute to environmental protection.

→ [read more on page 15](#)



Dear readers,

here it is! The issue of our customer magazine you're holding in your hands is packed with exciting insights into the world of Mosca. The last few months have been eventful and we look forward to sharing our experiences with you.

A special highlight in this issue is the opening of our manufacturing facility in Malaysia. It marks an important milestone in our global expansion and underscores our commitment to being even closer to our customers. Learn more about the festive opening and the strategic significance of this new location on page 36.

The packaging industry is facing profound change, driven by new European legislation and growing awareness of sustainability. The upcoming EU Packaging and Packaging Waste Regulation (PPWR) poses major challenges for all, but also provides opportunities to make our processes even more sustainable and circular. Its goals such as reducing packaging waste, increasing recycling rates, and promoting the use of reusable systems require innovative solutions.

At Mosca, we are aware of this responsibility and are actively involved in projects that pave the way towards circular economy – for example our recycling project "Loop that!".



It is dedicated to strengthening circular economy for plastics and demonstrates our commitment to sustainable packaging solutions that go beyond mere recycling. The initiative aims to develop systems that take reuse and material cycles to a new level.

In addition, we take a closer look at a topic that is particularly important to us and is becoming increasingly relevant for our customers: consulting on load security and the digital product passport. In addition to our TechCenter, we are further expanding our services in this area. We are convinced that comprehensive consulting is the key to optimizing the efficiency and safety of your processes. That is why we not only provide you with information in this magazine issue, but also give you concrete suggestions on how we can support you as a partner.

We strive to offer innovative products and the best possible service. Your feedback is very important to us, as it helps us to continuously improve.

We hope you enjoy reading and discovering what we have to offer!

Alfred Kugler

Timo Mosca

Simone Mosca

Topics

RESPONSIBLE

Loop that!

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Mosca is the second largest training company in the collective bargaining region

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RELIABLE

Transport safety at risk due to multiple use

p.28

PROGRESSIVE

Top 100 award for Mosca

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Next-level strapping: SoniXs MCB-3

In the world of packaging efficiency and reliability are crucial. With the SoniXs MCB-3, Mosca presents an inline strapping machine that meets precisely these requirements while setting new standards in terms of performance and digitalization.

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A new era begins: New manufacturing facility in Malaysia

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KI at Mosca

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RELIABLE

Revolutionizing Display Logistics

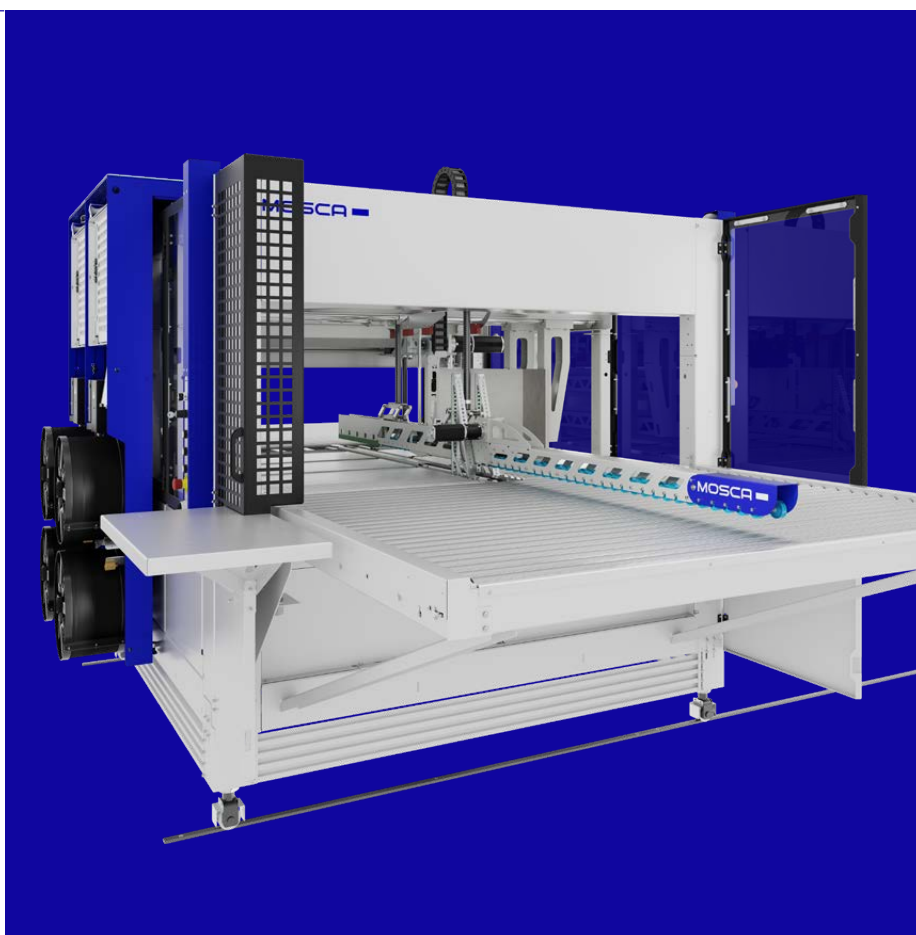
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How you can significantly reduce your stretch wrap consumption

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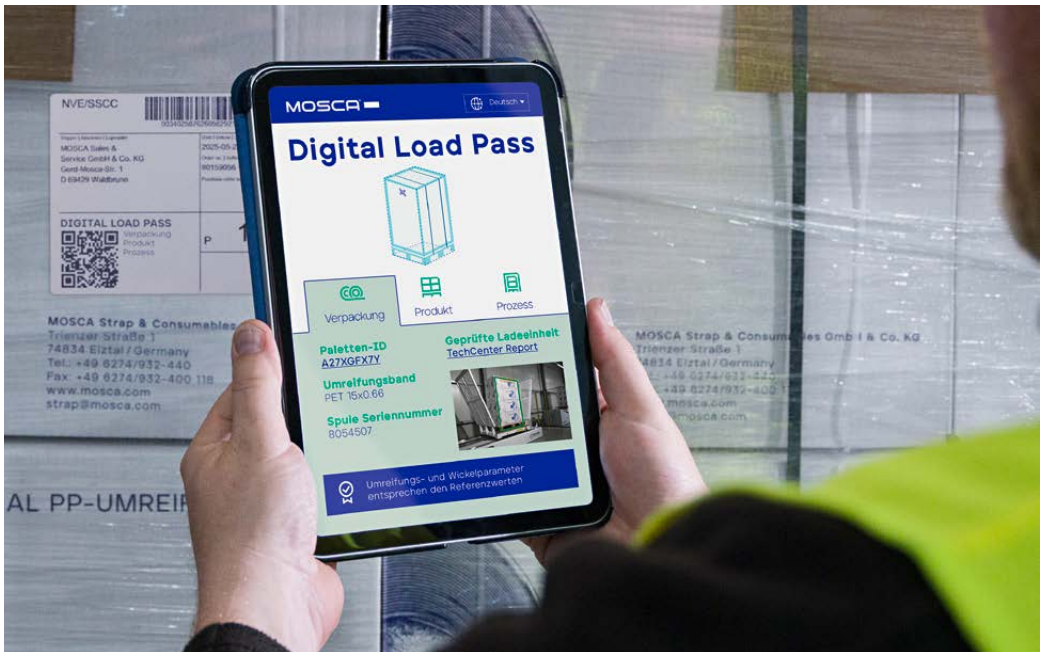
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INTELLIGENT

Interview:
Talk with Gregor Karmowski

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NONSTOP
PERFORMANCE



A standard smartphone or tablet with a camera is all you need to scan the QR code.

FOCUS ON USER-FRIENDLINESS

The Digital Load Pass is very easy to use. No special app is required – any standard smartphone with a camera can be used to scan the QR

SAFETY AND TRANSPARENCY AT A GLANCE

Scanning the QR code takes the user directly to a web-based information page. This page contains not only basic data, such as the pallet ID, but also detailed information on the packaging material used. Examples of this information include the type of strapping material, and the serial number of the coil used. This is particularly interesting if the load unit has previously been tested in the in-house TechCenter. In this case, there is a direct link to the corresponding test report.

“This is particularly relevant for authorities in the event of an accident”, explains Schmitt. “They can then see how we tested and packed the load unit and whether the regulations were followed”. However, the Digital Load Pass offers advantages beyond the event of damage. It also serves as proof that all necessary steps were taken to ensure safe loading during shipping.

A BENEFIT FOR THE ENVIRONMENT

There is even more on offer with the Digital Load Pass. In collaboration with the sustainability segment, Mosca is currently working to integrate information on the carbon footprint of each load unit. “Since we can precisely document the size of the pallet and the amount of packaging material used, the carbon footprint of each load can be easily tracked”, says Schmitt. Such transparency is invaluable for companies that value sustainability reports.

code and access the information. In the future, a user management system will allow different levels of access. While anonymous users will only receive basic information, logged-in users such as authorities or administrators will be given more detailed insights.

SUMMARY

The Digital Load Pass offers far more than just a digital business card for load units. It is a tool that takes safety, transparency and sustainability in logistics to a new level. Thanks to easy access to relevant data and the ability to document the CO₂ footprint, it offers real added value for companies and the environment. This technology is still in its infancy, but its potential is enormous. It will be interesting to see how this innovative technology continues to develop within the logistics sector. ■



Sebastian Schmitt
Innovation and Technology
Manager

Your transport. Our expertise.

WORKING TOGETHER TO ENSURE THE SAFETY OF YOUR CARGO

At the Mosca TechCenter, you can test the load securing of your goods under real transport conditions. In cooperation with EUROSAFE GmbH, the specialist for global transport safety, we guarantee compliance with relevant standards such as EU standards, VDI guidelines and EUMOS standards 40509.

OUR COMBINED SERVICES:

→ Testing and certification

Use our test benches to put the transport security of your load units through its paces. We offer system certifications in accordance with DIN 55415 and load unit certifications in accordance with EUMOS 40509.

→ Education and training

EUROSAFE GmbH offers a comprehensive training programme, including training to become a load securing officer and expert in accordance with DIN EN ISO/IEC 17024.

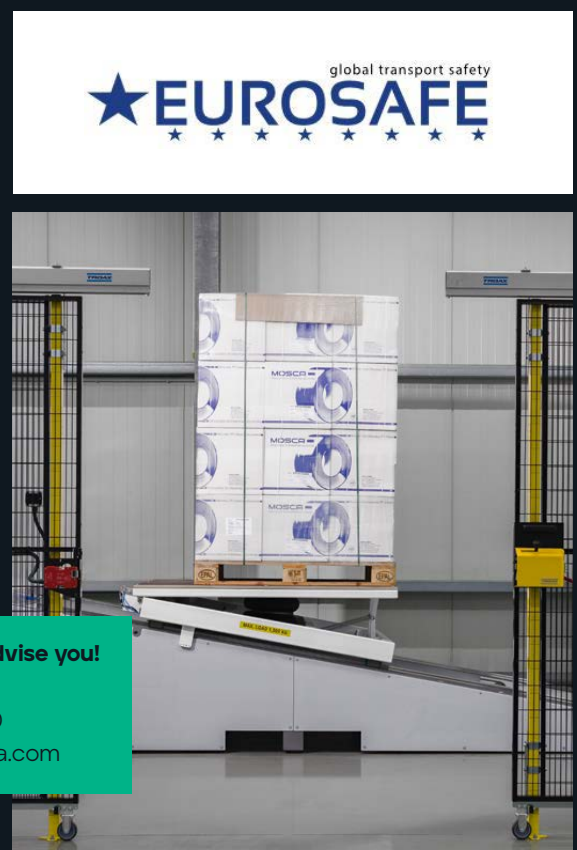
→ Consulting and expert opinions

Benefit from our expertise in creating individual concepts for load securing and expert opinions for road, rail and sea transport.

Minimise the resources used.
Increase efficiency.
Create a legal basis for your customers
and employees. ■

We are happy to advise you!

Johannes Wieder
+49 (0) 6274 / 932 - 0
techcenter@mosca.com



FROM STUTTGART TO DORTMUND TO HANOVER

Three successful trade fairs

With our presence at major exhibitions throughout Germany, we took the opportunity to present innovative solutions, make valuable business contacts and strengthen our dialogue with customers and partners in the long term.



As every year, we kicked off our trade fair season with LogiMAT in Stuttgart, which has been part of our programme for over 15 years. LogiMAT provides an extensive overview of the latest innovations, technologies, products, systems and solutions in the field of intralogistics, covering everything from procurement to production and delivery. On site, visitors had the opportunity to become acquainted with our recently developed hand strapping tool called HUG.

We also presented our fully automatic strapping machines alongside the Saturn S6 stretch wrapper. A particular highlight was our patented Digital Load Pass, an innovative load securing solution featuring cloud storage and QR code integration. Another focal point was the TR-Connect: our state-of-the-art strapping machine equipped with a digital package. It served as a prime example of digital applications and prompted many interesting discussions.

Next step: EMPACK in Dortmund! This relatively small trade fair offers a compact platform for innovations and solutions in the packaging industry. The exhibition is aimed at suppliers and

Fact check

LOGIMAT

- 65,719 trade visitors
- 1,625 exhibitors from 40 countries
- Foreign share: approx. 36%

EMPACK

- 2,600 trade visitors
- 130 exhibitors

LIGNA

- 78,000 trade visitors
- 1,433 exhibitors from 49 countries
- Foreign share: approx. 56%



users seeking a comprehensive overview of the latest developments. Numerous visitors were also attracted to this trade fair by our HUG.

After Empack, we travelled on to **LIGNA** in Hannover. LIGNA is the world's leading trade fair for woodworking and wood processing tools, machines and systems. Bringing together the entire wood industry, it offers a platform for innovations, technologies and trends in forestry, sawmilling and furniture construction. Our exhibition stand attracted a great deal of interest, particularly in our new HUG. The days were characterised by interesting discussions and lively exchanges about current developments in the timber industry. We welcomed numerous visitors and made valuable contacts.

Overall, our trade fair appearances to date in 2025 have reflected the importance of establishing personal connections with customers and partners, showcasing innovative solutions, and strengthening our market position. We are looking forward to the challenges ahead, and to working with you to shape the future of packaging and strapping technology. ■



Frank Mutschler
Head of Market Communication

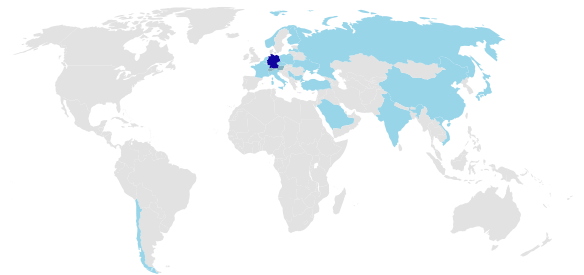
FIGURES, DATA, FACTS

LogiMAT
11. - 13.03.25

 Stuttgart

 **Strongest sector:**
Logistics

 **Top countries:**
Germany, Austria
and Switzerland

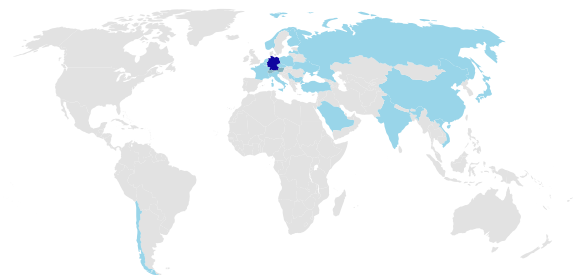


EMPACK
11. - 13.03.25

 Dortmund

 **Strongest sector:**
Logistics

 **Top countries:**
Germany
and Netherland

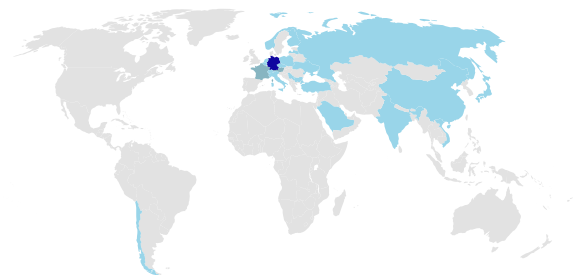


LIGNA
26. - 30.05.25

 Hannover

 **Strongest sector:**
Timber

 **Top countries:**
Germany, Austria
and France

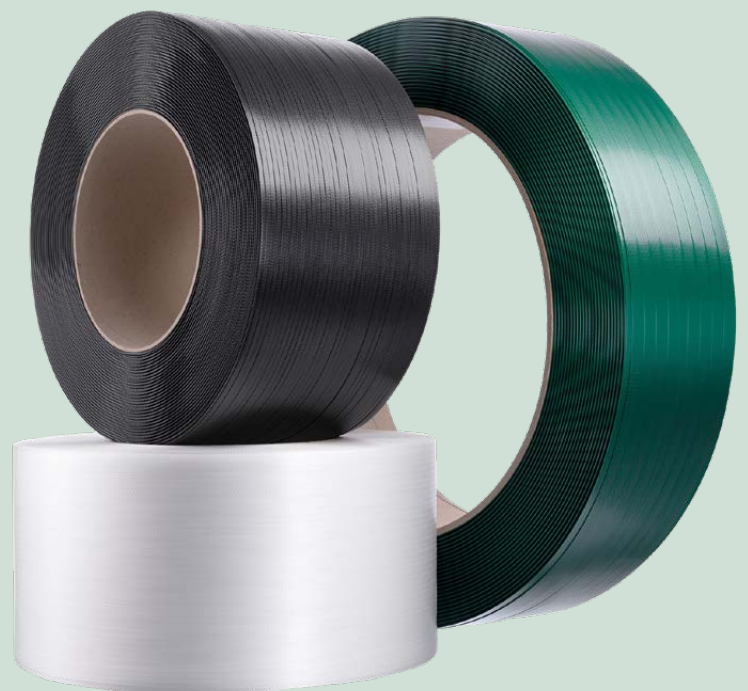


NONSTOP
RESPONSIBLE

LOOP THAT!

Together with Interzero for a circular future of strapping

Mosca reveals the rollout of its pioneering "Loop that!" scheme. In partnership with Interzero, the project aims to establish a closed loop for straps – to optimise resource use, minimise waste, and promote environmental protection. The name "Loop that!" also highlights Mosca's ambition to initiate an industry-wide solution for the strapping sector.



[READ MORE →](#)

A FOCUS ON THE CIRCULAR ECONOMY

Since 2023, Mosca GmbH has been working with Interzero, a circular economy service provider, to develop sustainable solutions. Their primary emphasis lies on Mosca's straps. To date, a large proportion of these are being produced from bottle flakes, i.e., shredded PET bottles. Mosca only uses PET flakes that cannot be reprocessed into bottles due to their low quality.

In the future, there could be a shortage of this raw material. The beverage industry is keen to streamline its processes with a view to closing the deposit-to-recycle system. This would mean that only new bottles could be produced from recycled ones. For Mosca, the impending shortage of material in the PET sector was a key driver in developing its own closed-loop strapping solution. The aim is to establish secure material flows in the long term for both PET and PP strap to ensure sustainable production that is less dependent on external raw material sources.

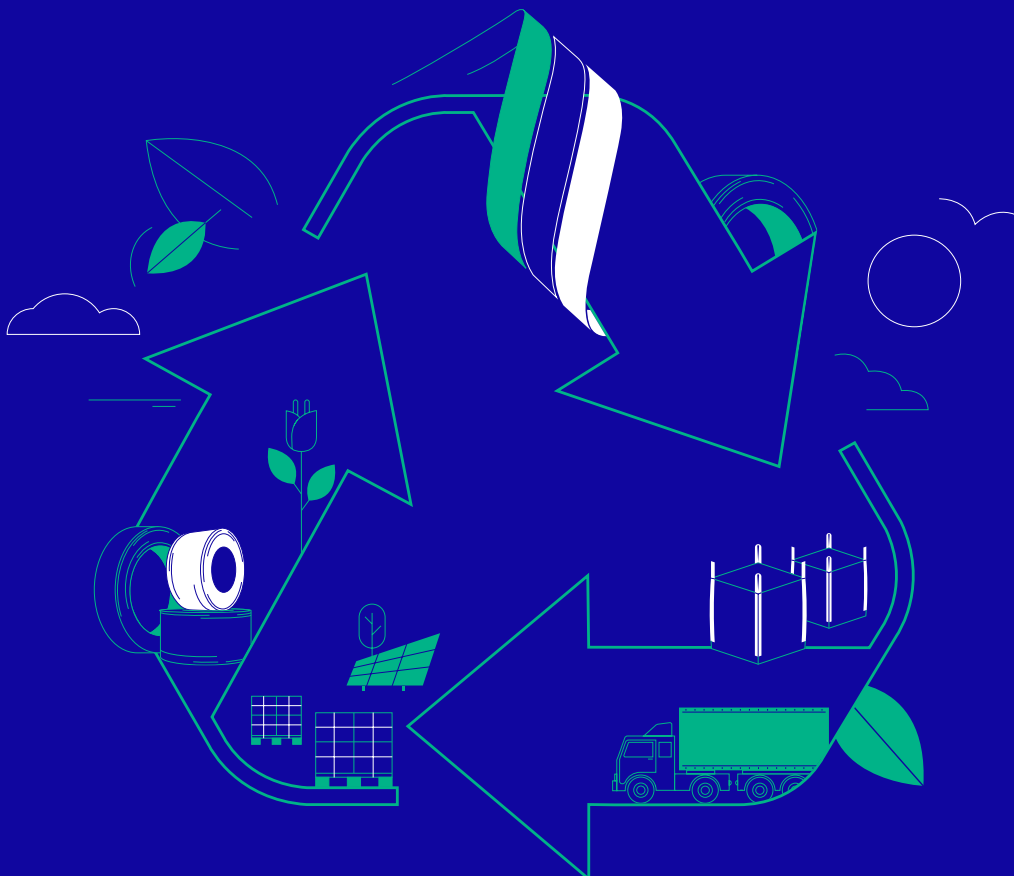
COOPERATION FOR RECYCLING

Thanks to its composition of almost pure mono-materials such as PP and PET, strapping is ideal for high-quality recycling. This is where "Loop that!" comes in. Its aim is to produce new straps from used strapping material, creating a continuous, quality-assured supply chain. Thorsten Ehnert, Strategic Project Coordinator for Global Strap at Mosca, emphasises: "We deliver a large amount of material. If we get this material back unmixed – because it is not a composite but PET with a purity of more than 90% – then we can reintegrate it very well into our production process". Thanks to modern recycling processes, the recycled material is of the same quality as unused material. "That's a big advantage, and this cycle can theoretically be repeated an infinite number of times", says Ehnert.

**DRIVING CIRCULARITY:
AN INDUSTRY-WIDE INITIATIVE**

In addition to implementing a closed cycle for its own strapping material, Mosca has an even

With "Loop that!", Mosca is pursuing a more ambitious vision. The initiative invites all strap manufacturers to collaborate in creating a standardised, industry-wide cycle.



LOOP THAT!

interzero[®]
zero waste solutions

Mosca is partnering with Interzero to establish a closed loop for strapping.

FOR A SMOOTH PROCESS, IT IS CRUCIAL THAT THE RESIDUAL STRAPPING IS COLLECTED BY TYPE

more ambitious vision for "Loop that!": creating an industry-wide solution.

This initiative explicitly invites all strap manufacturers to collaborate in creat-

ing a standardised, industry-wide loop. Mosca believes that standardised processes and a shared infrastructure could significantly increase the efficiency and sustainability of strapping material recycling. The aim is to establish "Loop that!" as both a project in its own right and a reference model for the entire industry, to make a significant contribution to a truly circular economy in the field of transport packaging. "It is advisable for companies to secure access to their own recycled raw materials at an early stage, thus strengthening their control over resources amid potentially volatile supply chains", says Sabine Hahn, Senior Circulation Manager at Interzero.

THE "LOOP THAT!" PROCESS - SIMPLE AND TRANSPARENT

Companies that produce strapping material waste can collect it by type and either shred or press it. Interzero then collects the processed material, pays for it, and sends it for recycling. Participation in "Loop that!" offers companies financial benefits, such as fixed prices for collection and material reimbursement, while also making an important

contribution to sustainability. "This reduces the use of primary resources in production and avoids supply bottlenecks for recycled quantities", explains Sabine Hahn from Interzero.

To ensure a smooth process, it is crucial that strap waste is collected by type – usually PET green and PP black or white – and is free from contamination. The materials should also be chopped or compressed and packed in big bags on pallets or in mesh boxes. Collection of the materials can be arranged individually with Interzero. It is advisable to accumulate a certain quantity before ordering a collection. Companies interested in taking part in "Loop that!" and making an active contribution to the circular economy can contact Tabea König (tabea.koenig@mosca.com), Pre- & At-Sales Consumables employee. ■



Ann Mertens
Sustainability Officer

ONLY SECOND TO HEIDELBERGER DRUCKMASCHINEN AG:

Mosca is the second largest training company in the collective bargaining region

Mosca has become the second largest training company for young professionals in the region, directly behind industry giant Heidelberger Druckmaschinen AG. Mosca currently trains 76 apprentices and students. In this article, our employees Steffen Fink, Kira Kuntner, Julian Wettig, and Enrico Lutz provide insights into Mosca's dynamic development and training philosophy.

STEFFEN FINK: EXPERIENCED INSTRUCTOR

Steffen Fink, who began his career at Mosca in 1998, has held various positions within the company, including Head of Operations Engineering in the electronics division and instructor. "It's impressive how Mosca has developed," he

says. "We have invested immensely in recent years, and the number of trainees has risen sharply." The retention rate is high: last year, 9 out of 10 trainees were offered a permanent position. However, Mosca also considers its training efforts to be a social commitment to the region. "We are sorry to see people leave, of course. But at least other companies benefit from our well-trained specialists", says Fink. Modern training methods in its own learning factory are a key factor in Mosca's success. "We ensure that our trainees learn in a hands-on manner right from the start," emphasizes Fink. "We are also very active in recruiting, for example we go directly to schools and trade fairs to attract young talents."



»It's hard to drop out of a degree program and start something new, but I'm very happy with it.«

Training ambassadors, who give potential trainees authentic insights into everyday working life, contribute to the success. "It's important that young people experience first-hand what to expect and what careers are open to them," Steffen explains. He particularly enjoys working with young people. "It keeps you young and up to date," he laughs. He also uses WhatsApp and Instagram. "I was reluctant at first, but you have to stay current," he admits with a smile. Because in addition to technical training, one thing is important to him:

»We are not just instructors, but also mentors.«

FROM NURSING TO MECHANICAL ENGINEERING: KIRA KUNTNER'S UNUSUAL CAREER PATH

After graduating from high school and gaining professional experience in nursing and during an au pair stay in New Zealand, Kira Kuntner (29) found her place at Mosca. After dropping out of dental school, she began a dual study program in industrial engineering with a focus on international production and logistics. Kuntner is happy with her decision and appreciates the diversity of her studies and the opportunity to immerse herself in different areas of the company. "I'm glad I made this decision," she says. "It's hard to drop out of a degree program and start something new, but I'm very happy with it." She is keen to do something that fulfills her.

FROM INTERNSHIP TO DREAM JOB: JULIAN WETTIG'S PATH AT MOSCA

19-year-old Julian Wettig from Oberdielbach has found his dream job as an industrial mechanic at Mosca. Currently completing his vocational diploma in evening classes alongside his apprenticeship, he discovered his passion through internships and vacation jobs at Mosca. He is particularly impressed with the good working atmosphere and the support provided by the trainers. "No matter what's on my mind, I can always turn to them," he says. His decision to pursue an apprenticeship was driven by his desire to earn his own money quickly and the possibility of becoming a certified master later.

ENRICO LUTZ: APPRENTICESHIP AFTER HIGH SCHOOL

After graduating from high school, many young people are faced with a decision: university or apprenticeship? Enrico Lutz (20) opted for the latter, perfectly demonstrating that an apprenticeship is by no means a "secondary choice." Driven by his interest in hands-on technical work, he decided to train as a mechatronics engineer at Mosca. Despite initially applying for a different position, he found his passion in mechatronics and particularly appreciates the supportive working environment. "In interviews at other companies, I never felt that people were interested in me," he says. At Mosca, he felt at home right from the start.

A PLEA FOR TRAINING

Enrico thinks it's a shame that high school graduates and company presentations often focus on university degrees and neglect vocational training. He believes that vocational training after high school is a valuable alternative to university, especially for young people who want to gain practical experience. Steffen Fink agrees. Both the instructor and his students and trainees are proud of Mosca's development. "It's great to see how many young people we train and how successful they are," says the instructor. "That's an achievement we can all be proud of." ■



Dirk Brislinger
Director of Vocational Education

NONSTOP
RELIABLE

Working together for success:
Mosca & Offergeld

REVOLUTION- IZING OF DISPLAY LOGISTICS

MOSCA

SICK
M 4000

NICHT
STAPELN
DO NOT
STACK
NE PAS
GERBER

NICHT
STAPELN
DO NOT
STACK
NE PAS
GERBER

READ MORE →

Imagine you are stocking displays for a retailer. These sales displays have to look attractive, while also arriving at their destination undamaged. This challenge became a reality for logistics company Offergeld Logistic when looking for a safe transport solution for asymmetrical displays. They found the answer in a partnership with the world's leading manufacturer of strapping machines, Mosca GmbH.



WHAT ARE SALES DISPLAYS?

Sales displays are specially designed presentation tools used in retail to showcase products in an appealing way and ultimately boost sales. They come in various shapes and sizes, from simple stands to complex shelving systems and are often made of cardboard or other lightweight materials to allow for flexible use.

THE CHALLENGE: ASYMMETRICAL DISPLAYS AND DELICATE CARDBOARD PACKAGING

The Offergeld Logistics Group is a logistics company handling the storage, transport, and distribution of goods throughout Europe. An important part of their offering is co-packing. Consumer goods manufacturers commission Offergeld to assemble their sales displays and stock them with products. Offergeld then delivers these ready-made displays directly to retail stores. This service allows product manufacturers to focus on their core tasks: production, development, distribution, and the actual sale of their goods.

Offergeld builds sales displays for a wide range of products presented in supermarkets and other retail stores. These displays must be securely and efficiently strapped to ensure smooth transport. However, their asymmetrical design and the delicate folding boxes – which would tear if strapped too tightly – posed a particular challenge. Johannes Wieder, Sales Manager Logistics at Mosca, explains: “The sales displays are only filled on one

The sales displays are only filled on one side at the top, so the slipcase cannot support itself.

side at the top, so the box cannot support itself. This means there is a risk of damage during strapping.”

THE SOLUTION: CUSTOMIZED STRAPPING MACHINES

Offergeld turned to Mosca. The strapping machine manufacturer from the Odenwald region is known for its customized solutions. In this case, Mosca supplied two machines that were specially tailored to Offergeld's needs:

→ **SoniXs MS-6 KR-ZV**

This machine enables gentle strapping, preventing damage to the delicate sales displays.

→ **KZV-121**

This machine straps the Euro pallets with four CHEP pallets and applies edge protection to ensure a dimensionally stable loading unit.

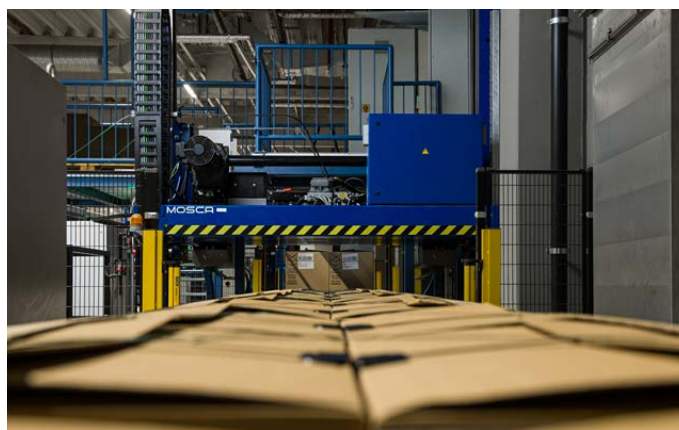
THE RESULTS: EFFICIENCY AND SAFETY

Thanks to Mosca's powerful and reliable machines, the sales displays can now be packaged efficiently and transported without damage. Johannes Wieder emphasizes:

»This project impressively demonstrates how maximum safety can be achieved with a minimum of packaging. With this product line, we were able to achieve this in an exemplary manner.«

Gregor Thometzki, Head of Technology at Offergeld, also expressed his satisfaction, stating: “The Mosca machines take up less space and strap significantly faster. We were also able to integrate them automatically into the existing conveyor technology and redeploy employees who previously had to strap manually to other areas.”

The impressive results of the collaboration between Mosca and Offergeld underscore the importance of close partnership and sound technical expertise in tackling demanding tasks. In this context, Mosca has demonstrated its ability to develop tailor-made solutions that are a precise fit for the specific requirements of its customers. ■



The Mosca machines are specially tailored to the needs of Offergeld.



Johannes Wieder

Sales Manager Logistics /
End-of-line Consulting

FOCUSING ON SUSTAINABILITY

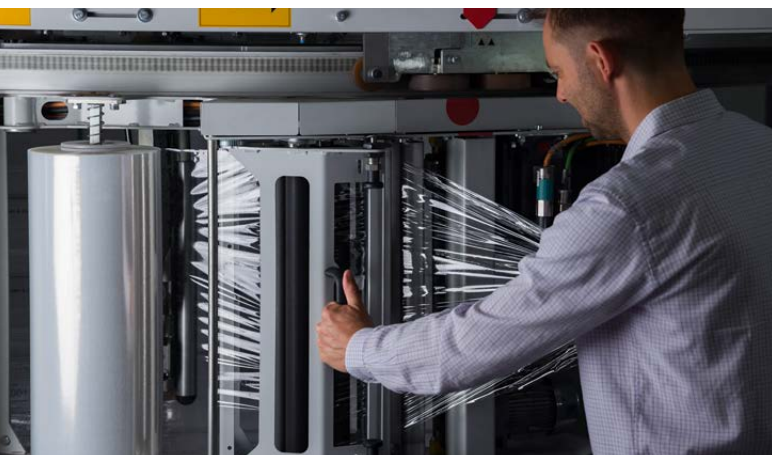
How you can significantly reduce your stretch film consumption

Our Mosca experts have come up with new ways to get the most out of stretch film - take advantage of our expertise!

Today, sustainability and efficiency are more important than ever before. As your partner for strapping and transport securing solutions, we want to help you become more environmentally friendly in your production processes. In intensive tests in our own strap production, our product experts Norman Bock (Vice President Sales & Service Central Europe) and Franz Schmechtig (Product Manager Sales Strap & Consumables) have optimised the use of stretch film. The result? Significantly reduced consumption and an optimised ecological footprint. Best of all, you can benefit directly from our expertise!

TINY ADJUSTMENTS, HUGE IMPACT

Every year, large quantities of stretch film are produced for industrial packaging to secure products for dispatch. To promote sustainability in our production process and minimise emissions, our experts have risen to this challenge. "We wanted to use the stretch film in the most efficient way possible, both in terms of consumption and the associated costs, with the goal of reducing our carbon footprint", says Franz Schmechtig. "At the same time, we considered our





In various tests, the stretch film could be significantly reduced.

customers' production processes and documented the entire process and our findings in detail so that we could share our expertise".

PUTTING OUR SYSTEMS TO THE TEST - WITH IMPRESSIVE RESULTS

Norman Bock and Franz Schmechtig carried out a large number of trials on different types of films and examined the consequences of alterations to the pre-stretch of the films on consumption and performance. For this purpose, they used the company's own Movitec Saturn S8 stretch wrapper - a double-head unwinder with adjustable pre-stretch. Seven different stretch films were tested under real conditions over an extended period.

The outcome was impressive: the original film thickness of 23µm was reduced to 15µm. Thanks to higher-quality raw materials and improved manufacturing processes, the film is still significantly more stretchable and tear-resistant. Consequently, stretch film consumption, and therefore the CO₂ footprint, has been reduced by around 69%. At the same

time, the holding forces and therefore the transport security have improved significantly.

"Even with a higher initial price, the stretch film pays for itself very quickly in practice", Franz Schmechtig explains. Another advantage is that the number of roll changes is drastically reduced. Instead of the original 3,938 rolls, only 1,140 are now needed to wrap the same number of pallets. This saves over 3 tonnes of cardboard cores and represents a considerable time saving for employees.

UNLOCK YOUR POTENTIAL WITH CONSULTING THAT DRIVES OPTIMIZATION

We would now like to share the expertise we have gained through our own processes with you. "Our goal is to support our customers in optimising their use of stretch film", says Schmechtig. To achieve this, our experts will analyse the stretch films and wrapping machines you are currently using on site. They then carry out the necessary optimisation tests and advise you on suitable alternatives.

There are more than 100 different types of stretch films available, each with different properties such as thickness, elasticity, holding force and colour. Our experts will select the most promising options in advance and present them to you.

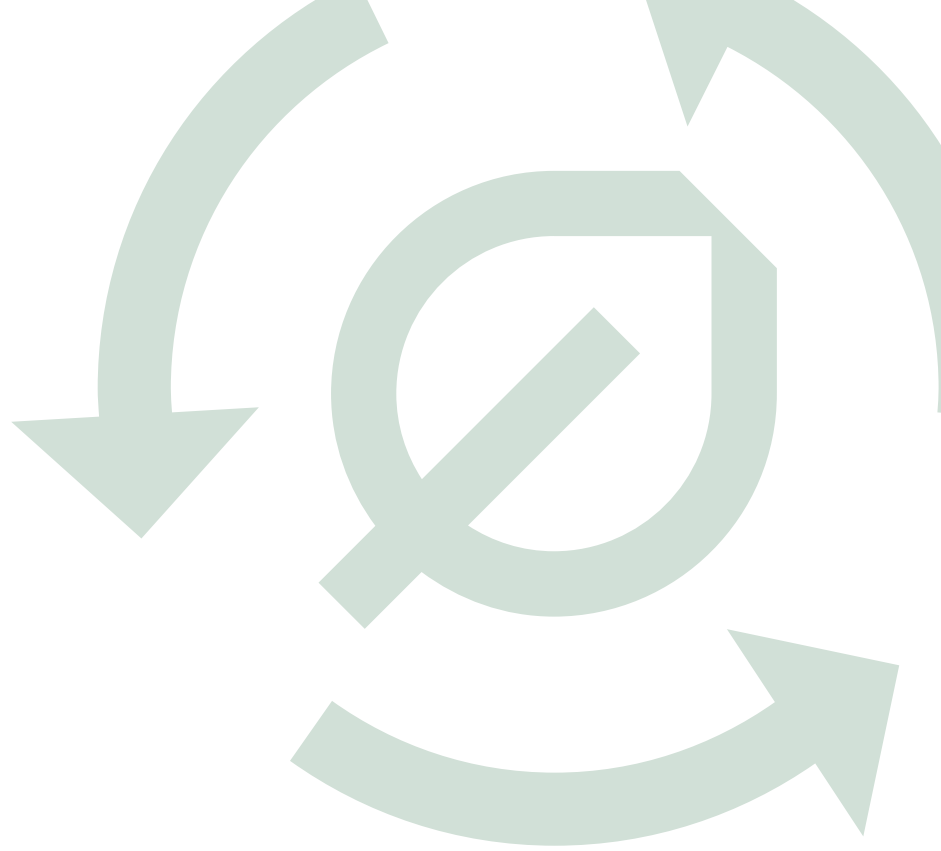
"Our aim is to scrutinise the resources used, as well as the resulting carbon footprint, and to define the respective optimisation potential for our customers with precision", explains Schmechtig. "The tests are carried out at your premises, and we advise you on suitable alternatives until optimum savings are achieved without reducing the performance of the transport security system".

Norman Bock summarises, "By doing this, we are helping to ensure that stretch film is used as efficiently as possible, while also minimising our customers' carbon footprint - and thus living up to our Nonstop Responsible approach". ■

Would you like to know how you can optimise your stretch film consumption? Get in touch to arrange a personalised consultation! info@mosca.com



Franz Schmechtig
Product Manager for Sales,
Strapping & Consumables



Q&As on Mosca's position on the

PPWR

Mosca welcomes the Packaging and Packaging Waste Regulation (PPWR): The regulation's goals of promoting recycling and optimizing resource utilization align perfectly with our long-standing commitment to greater sustainability at the end of the packaging line. Regarding the reuse of pallet wrapping and strapping materials, the EU Commission has initiated an exception through a delegated act. We at Mosca have joined forces with other European manufacturers to collectively achieve an exemption.

WHAT IS THE PACKAGING AND PACKAGING WASTE REGULATION (PPWR)?

The PPWR is a new regulation adopted by the European Union Commission, also referred to as the EU Packaging Law in the media. It regulates the handling of packaging within the European Union and obliges EU member states to further promote the circular economy for plastic packaging and

additionally reduce the consumption of plastic packaging. To achieve this, the PPWR sets three goals: Recycle, Reduce, and Reuse.

WHAT IS MOSCA'S POSITION ON THE PPWR?

We strongly welcome and support the PPWR, as we have been committed to more sustainable materials and a circular economy at the end of the packaging line for many years. The PPWR's aim to promote recycling and optimize resource use aligns with our philosophy and our goals for a more sustainable future, such as building a circular economy for our consumables.

WHAT IS THE CURRENT STATUS OF THE PPWR AND WHAT ARE THE NEXT STEPS?

The European Parliament and the Council for Environment adopted the PPWR at the end of January. The EU-wide regulation came into force on February 12, 2025. Depending on the applicable article,

initial measures will take effect in mid-2026. However, the EU Commission can issue delegated acts that allow exceptions to the goals and requirements set out in the PPWR. We support the setting of recycling quotas, but we also welcome that a delegated act has been initiated concerning reuse quotas. We expect a decision on the lifting of the reuse requirement for transport packaging, such as straps and stretch wrap, by the end of 2025.

WHAT DOES THE PPWR IN ITS CURRENT FORM MEAN FOR END-OF-LINE PACKAGING?

On the one hand, the PPWR demands minimum recycled content in plastic packaging, which we already achieve in part with our straps today. We are also constantly striving for higher recycled content in our other consumables and are working intensively to offer products with the required quotas and certified recyclability.

On the other hand, Article 29 of the PPWR currently also sets reuse quotas for pallet wrapping and strapping. We, along with experts from associations like PAU, VDMA, and the Industrievereinigung Kunststoff, view these critically as they are technically unfeasible and not environmentally or economically sensible. We have already proven this with scientific studies as part of the project alliance. We hope that these studies will lead to an exemption regarding reusability.

WHY IS IT NOT POSSIBLE TO REUSE STRAPPING AND STRETCH WRAP?

Strapping and stretch wrap are cut when first removed and cannot be reused for the exact same purpose without being recycled in an intermediate step. If the already used straps and stretch wraps were to be reused, security risks would arise during transport. Alternative transport securing methods like mesh boxes or crates are neither ecologically nor economically sensible alternatives.

WHAT DOES THE PPWR MEAN FOR OUR CUSTOMERS?

The European Commission has assured that it will issue a delegated act for plastic pallet wrapping and strapping, exempting both materials from the set reuse quotas. We are confident that the scientific studies will lead to an exemption. This provides our customers with planning security and the certainty that strapping and wrapping of their products will remain permissible in the future and, in addition to minimal packaging, also represent a scientifically proven, sensible, and sustainable form of packaging.

We already meet some of the other requirements contained in the PPWR today. For example, our PET straps already consist of a high proportion of PCR recycle. Additionally, we are working intensively on establishing a circular economy for straps within the framework of our "Loop that!" project. For more information, please feel free to contact us.

WILL CUSTOMERS STILL BE ALLOWED TO STRAP OR WRAP THEIR PRODUCTS IN THE FUTURE?

Yes. The European Commission is working on drafting a delegated act that will exclude plastic pallet strapping and wrapping from the reuse quotas set in the PPWR. Strapping and wrapping would thus remain a reliable way to protect goods in accordance with the still-applicable Transport Security Act and to ensure secure supply chains. ■

»In the light of the concerns and calls for action, the Commission will launch an assessment of this issue by the end of this year and address it as a matter of priority upon the entry into force of the Regulation. To this aim, the Commission will adopt without delay a delegated act to exempt plastic pallet wrapping and straps.«

Kommissar Sinkevičius
EU Commissioner for Environment, Oceans
and Fisheries



Dr. Martin Bussmann
Director Global Innovation Plastics

USING STRAPS SEVERAL TIMES?

Transport safety at risk

Reuse can lead to significant material weakness, particularly at welded joints, which directly affects transport safety on European roads. This has been confirmed by recent independent studies. In light of the new EU Packaging and Packaging Waste Regulation (PPWR), the alliance is calling for an exemption for strapping materials to promote sustainable recycling strategies without jeopardizing transport safety.

The PPWR aims to reduce packaging waste and promote circular economy through recycling. It also includes mandatory reuse quotas for strapping materials. The EU Commission is currently discussing a potential exemption for strapping materials via a delegated act under the Packaging and Packaging Waste Regulation (PPWR), which took effect on February 11th, 2025.

In response, Mosca and the straps project alliance (PAS) submitted a comprehensive, independent position paper to the EU Commission containing detailed study results. "We support the goals of the PPWR, but the safety of transported goods and the stability of supply chains must be ensured. This is not the case with multiple use," explains Dr. Martin Bussman, Vice Chairman of the board of straps project alliance and Director Material Innovation at Mosca.

TECHNICAL STUDIES PROVE SAFETY RISKS DURING REUSE AND MULTIPLE USE

Independent technical tests, carried out by the Fraunhofer Institute for Microstructure of Materials and Systems IMWS at the Mosca Tech Center in Waldbrunn, provide the scientific basis for this requirement. The focus was on mechanical and thermo-mechanical testing according to international standards. This included the horizontal force test according to the EUMOS 40509 standard, the ISTA 1E inclination and vibration test, and tensile tests on various belt areas, particularly on the critical weld seams.

The results are alarming: After just one use, the welds on polypropylene (PP) and polyethylene terephthalate (PET) strapping are at 47 to 60% of their breaking strength on average. With repeated use, the tensile strength of PP straps decreases by up to 34%. Additional thermal stresses caused by temperature fluctuations between 40°C and -30°C further weaken them. This further compromises the integrity of the material during its practical application. It is particularly problematic that such stresses cannot be documented under real transport and storage conditions.

"These data make it clear that reuse poses considerable safety risks to goods and people", explains Dr. Martin Bussmann. The project alliance therefore favours a pragmatic regulatory solution. Rather than relying on potentially dangerous reuse, the use of high-quality post-consumer recyclates should be strengthened, and strapping material should be exempted from general reuse quotas of PPWR regulation. This is the only way to ensure permanently safe, resource-conserving transport packaging. "Additionally, the more frequently transport packaging is reused, the more often it needs to be inspected and maintained. This is not technically feasible or economically advantageous."

»We support the goals of the PPWR, but the safety of transported goods and the stability of supply chains must be ensured.«

REUSABLE SOLUTIONS OFTEN LESS SUSTAINABLE THAN EXPECTED

From an ecological standpoint, blanket reuse is not a viable solution either. A second study conducted by GVM (Gesellschaft für Verpackungsmarktforschung mbH) shows clearly the limitations of current reusable strap systems. The study analyzed standard market alternatives, such as mesh boxes with straps, tension straps with tarpaulin, and straps with tension clips. All alternatives were compared in the categories of safety, reusability, environmental impact and cost-effectiveness.

Technically, the alternative variants revealed significant weaknesses. Strapping material with clips, as the closest alternative to disposable straps, lost significant tensile strength and elasticity after just two cycles in reuse. These are key properties for load securing and transport safety. Tension straps with tarpaulin achieve 50 to 150 cycles depending on use, but they are highly susceptible to UV radiation and wear out quickly if you use them incorrectly. Mesh boxes with tension straps can withstand 200 to 300 cycles. However, they are heavy and bulky in handling. Both aspects make them unsuitable for recurring applications. On top they would require extensive maintenance and documentation of each reuse cycle.

Additionally, the return transportation of reusable components must often be shipped over long distances within Europe, resulting in considerable logistical costs or local storage. This includes additional transportation distances and result in increased greenhouse gas emissions, such as CO₂ emissions. In addition to that higher storage and personnel costs occur and the need to provide replacements in the case of loss or defects. In heterogeneous supply chains with changing customers, setting up a functioning reusable system is nearly impossible to realize this concept.

DISPOSABLE STRAP IS OFTEN MORE ADVANTAGEOUS IN TERMS OF SUSTAINABILITY

A life cycle analysis also shows that disposable straps have a better carbon footprint than reusable alternatives in many cases, even though they are used only once. Its low material usage, light weight, and high recyclability make straps an environmentally friendly packaging material, especially when made from post-consumer recycle.

“It’s crucial to consider these facts when we talk about ecological responsibility,” Dr. Bussmann continued. “Token politics won’t help. We need solutions that are practicable, safe, and demonstrably sustainable.”

PROJECT ALLIANCE STRAPS CONTINUES ITS COMMITMENT

The PAS’s will continue it’s work towards a sustainable circular economy. Next step to take will be the increased use of post-consumer recycles in straps. The alliance is working to close material cycles and significantly reduce resource consumption, such as energy and plastics. “The PAS stands for practical solutions that combine safety and sustainability,” says Dr. Bussmann.

“We will continue to contribute with our expertise in the future - in dialogue with politics, industry and society. Only an evidence-based approach will enable us to design the truly sustainable packaging solutions of the future.” ■

WHAT IS PAS?
The PAS is an association of 13 leading European companies in strapping industry, including Mosca, Teufelberger, Fromm, Sekisui, Messersi and others.



Technical studies show that after just a single use, straps lose up to 60% of their strength, which impacts transport safety and supply chains



Elias Noe
Plastics Engineer, Strap Development

NONSTOP
PROGRESSIVE

TOP 100

Mosca once again awarded for innovative strength

For the fourth time in a row, Mosca has received an award in the Top 100 competition for being an innovator among German medium-sized companies. Together with science journalist and competition mentor Ranga Yogeshwar, the jury praised Mosca’s innovative solutions such as the consulting services offered by our TechCenter: At our headquarters in Waldbrunn, customers can examine their transport safety systems on various test stands, receiving a corresponding report and advice on their optimization potential.

Innovation is and remains a central component of our corporate strategy. We always act with the needs and requirements of our customers in mind. This approach is reflected in our TechCenter in Waldbrunn, where companies have been able to test and optimize their transport security since June 2023. Several test stands simulate vibrations, inclinations, and braking maneuvers to test packaging under conditions as realistic as possible. The machines transmit the collected data directly to our development department, enabling an improved use of materials and early identification of potential weak points.

As a customer, you can use this data to tailor your packaging concept and further minimize transport damage. This makes it easier to implement adjustments to the strapping and reveals previously untapped potential for optimization.

AI REDUCES SETUP TIMES

We are also constantly developing new, innovative solutions for our own production: Mosca already uses AI in several areas, including in an algorithm-based optimization of our production order sequence. Thanks to this smart sequencing, roughly 800 production orders are now intelligently prioritized every day, reducing setup times by 20%. Mosca was also honored with an award from Allianz Industrie 4.0 Baden-Württemberg in 2024 for this solution.



Jürgen Lochner, Executive Group Vice President R&D/ Engineering at Mosca (left), and Hans Munsch, Global Director Engineering at Mosca (right), receive the Top 100 award from Ranga Yogeshwar (center).
Image credit: KD Busch / compamedia

INNOVATORS FOR DECADES

In the past decades, we have proven time and again that innovation is part of Mosca’s DNA. With the SoniXs unit, our company was one of the first to use ultrasound for sealing straps. This method generates no heat or potentially harmful vapors, and the unit itself is more energy-efficient and requires less maintenance. Several generations of SoniXs units have made ultrasonic strapping even more efficient and sustainable since then.

Being recognized as a top innovator among German SMEs encourages us to continue strategically developing and driving innovation within our company. The increasing digitalization and, in particular, the use of artificial intelligence are opening up new opportunities for us. ■



Amélie Münch
Innovation and
Technology Manager

Next-level strapping: SoniXs MCB-3

Mosca introduces new generation of inline strapping machines



In the world of packaging, efficiency and reliability are crucial. With the SoniXs MCB-3, Mosca unveils an inline strapping machine that fulfills these exact requirements and establishes new standards in terms of performance and digitalisation. The MCB-3 is positioned in the high-end segment, representing a further development of the proven predecessors, the MCB-2 and the UATRI-2XT.

PERFORMANCE MEETS PRECISION

The SoniXs MCB-3 is designed to meet the highest standards. While the UATRI-2XT achieves 30 cycles per minute, the MCB-3 surpasses this with a double pusher system that increases output to 36 cycles per minute. This substantial improvement in performance makes the MCB-3 the perfect solution for high-throughput companies.

The digitalisation of the MCB-3 also enables a comprehensive view of the production line. It provides data not only

on its own performance, but also on the performance of upstream and downstream components. The central element is an advanced Human Machine Interface (HMI), offering the operator comprehensive control and insights. This optimises the effectiveness of the entire line, which is a huge advantage for efficient production.

One outstanding feature is the proactive maintenance function, whereby the machine recognises potential problems, such as an increase in component temperature, at an early stage. The MCB-3 sends a warning before a failure is about to happen. In the future, the machine will even proactively notify the service department. This means that spare parts can be ordered, or a technician dispatched before production comes to a standstill. This saves both time and costs, as unplanned downtime is minimised.

USER-FRIENDLY MASTERPIECE WITH ULTRASONIC SEALING UNITS

Another great feature of the MCB-3 is that it comes with ultrasonic sealing units as standard. This renders heat-weld sealing units unnecessary and significantly enhances the machine's reliability and availability. The ultrasonic process ensures precise and safe strap sealing, with the sealing process only triggered when the strap ends are correctly positioned on top of each other.



The MCB-3 also sets new standards in terms of package size flexibility. Compared to other machines on the market, this one can process higher packages of up to 400 mm – an increase of 12.5%.

Particular attention was paid to ensuring the system was user-friendly. In double-head systems, all four strap dispensers are located on the main operating side. This eliminates the need for staff to walk long distances and reduces the time required to change straps. The machine can be operated intuitively via a flexible tablet that connects wirelessly. Customers can either use a tablet provided by Mosca or use their own device. This maximises flexibility in day-to-day work.

TAILORED SOLUTIONS FOR EVERY NEED

The MCB-3 is characterised by its high level of variability, allowing it to be optimally adapted to each customer's individual requirements. The configuration is flexible, whether it is a single pusher for average outputs or the double pusher with high-speed stitch for maximum speeds. It is also possible to choose between one or two strapping units. Many customers opt for the double-head design to maximise availability, enabling them to switch seamlessly to the second unit in the event of a malfunction, service or maintenance work on the first unit. The overall length of the system can be defined flexibly using customisable infeed and outfeed tables, ensuring optimum integration into existing production lines. The MCB-3 is available from the factory in a CE-compliant design with the corresponding safety doors.

Pushing boundaries

THE SUCCESSFUL COLLABORATION BEHIND THE SONIXS MCB-3

The development of the SoniXs MCB-3 is a prime example of the strength of global cooperation within the Mosca Group. Teams in Malaysia and Waldbrunn worked together to develop innovative mechanical assemblies for the new flagship inliner.

This cross-border collaboration not only accelerated the project but also utilised development resources efficiently. The result was that the SoniXs MCB-3 was realised faster than planned, underlining the value of global synergies in modern product development and embodying Mosca's vision of "Overcoming borders and achieving more together".

SHAPING THE FUTURE WITH FIELD TESTS AND SUSTAINABLE STRAPPING SOLUTIONS

The MCB-3 is currently undergoing extensive field testing with selected customers to demonstrate its performance in real conditions and enable final optimisations. The results are impressive.

Another really exciting topic is the future use of PET strapping in combination with the SoniXs MCB-3 and ultrasonic technology. Mosca PET straps are made from over 90% recycled material and can be fully recycled itself, which has the potential to significantly impact sustainability in inline strapping. Currently, the MCB-3 is designed for PP straps in widths of 5 to 12 mm. In summary, the SoniXs MCB-3 is not merely a strapping machine; it is a commitment to a more efficient, more digital and more sustainable packaging industry. ■



Christian Zwiab
Sales Manager Engineering



WEBSITE RELAUNCH

Mosca presents redesigned website

Mosca is pleased to announce the relaunch of its completely redesigned website. After intensive work, the company's digital presence now has a modern design with improved user guidance and an expanded information offer.

NEW BRAND DESIGN AND INTUITIVE NAVIGATION

As a system provider for end-of-line solutions in all its facets, Mosca offers machines with corresponding straps and services as well as comprehensive global service. The message is clear: whatever the customer's application, Mosca will find a solution and act as an all-rounder.

The new website reflects the new brand design, which was introduced in 2021 and is present at trade shows or on flyers. Visitors can expect a clear, modern look with new colours, a new font and an appealing visual language. The intuitive navigation guides users easily to the desired information. The site is available in German and seven other languages: Polish, English, French, Portuguese, Spanish and Chinese.

COMPREHENSIVE PRODUCT INFORMATION AND APPLICATION EXAMPLES

A special focus is on the comprehensive presentation of the product portfolio. Users will discover detailed descriptions, technical data sheets and application examples for the entire range. Informative application videos illustrate examples of machine placements at the end of line, highlighting the wide range of application possibilities and individual customer solutions. Sustainability is also addressed repeatedly, for example for strapping solutions as minimal packaging.

EXPANDED SERVICE AREA WITH A FOCUS ON SUSTAINABILITY

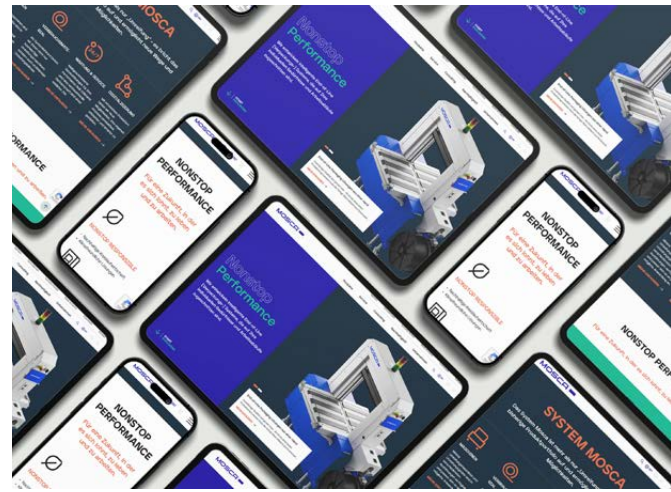
The service area has been significantly expanded. Information about the in-house TechCenter, end-of-line solutions, consulting and professional



advice is now more easily accessible. A new careers section provides expanded information about training opportunities and courses of study at Mosca. An integrated job portal allows users to apply directly for open positions.

OPTIMIZED DISPLAY FOR MOBILE DEVICES AND EXPANDED SUPPORT

Users can access the Mosca GmbH website from any location, the optimized display for mobile devices ensures seamless use of the website on tablets and smartphones as well. Expanded service and support sections offer quick answers to questions and make it easier to contact customer service. The extensive FAQ page is available for users who need a quick answer. Information about the new Global Training Center is also available.



A particular focus of the revised Mosca website is the user-friendly presentation of the product portfolio.

PRACTICAL DOWNLOAD AREA AND LATEST COMPANY NEWS

In the download area, users can find brochures on topics such as the sustainability reports, compliance documents, customer magazines and safety regulations, in addition to the product data sheets. All material is available in different languages. The “News” section keeps visitors up to date on the latest developments at Mosca, new products and industry events. ■

JUST SCAN



Mosca invites everyone interested to explore the new website at mosca.com and discover the world of strapping technology



Christina Wörner
Marketing Specialist
Online Marketing and Communication

MOSCA OPENS NEW PRODUCTION FACILITY

A new era begins

We have been waiting for this moment for a long time: Mosca has officially commissioned its expanded and state-of-the-art production facility in Ulu Tiram, Johor, Malaysia. The Ambassador of the Federal Republic of Germany to Malaysia, Dr. Peter Blomeyer, officiated the opening ceremony, highlighting the strengthening economic ties between Germany and Malaysia and the importance of the commitment of German companies to investment, employment and vocational training in Malaysia.

As a subsidiary of Mosca GmbH – a global leader in strapping and end-of-line packaging systems – MGM continues to expand its footprint across Asia, one strap at a time, while remaining true to the values of its family-owned German heritage.

“Malaysia has been a strategic milestone in our family company’s journey toward internationalization. With today’s inauguration of our new production facility, we are building on that legacy – and sending a strong signal for sustainable growth, collaborative partnerships, and entrepreneurial foresight across borders” said Timo Mosca, Corporate CEO of Mosca Group.

A JOURNEY FROM SMALL SHOP LOT TO INDUSTRY LEADER

MGM’s journey in Malaysia began in a small lot in 2009, expanded to a medium-sized facility in 2013, and has now culminated in the launch of its most advanced manufacturing site in 2025 – marking a new chapter in the company’s history.

“From day one, we have focused on empowering local talent and growing alongside our community,” said Witold Nowak, Director of MGM. “Today, we are proud to be recognized not only as a technol-



GRAND OPENING



Celebrated the opening of the new facility: (from left to right) Syed Aminuddin Syed Salleh (General Manager of Invest Johor), Alfred Kugler (Corporate CEO of Mosca Group and Director of MGM), Witold Nowak (Director of MGM), Jan Noether (Executive Director of MGCC), Dr. Peter Blomeyer (The Ambassador of the Federal Republic of Germany to Malaysia), Simone Mosca (Corporate CEO of Mosca Group), Timo Mosca (Corporate CEO of Mosca Group and Director of MGM), Mohamad Ariff Md Mohid (Deputy Director of MIDA Johor).

ogy leader in the end-of-line packaging industry, but also as a reputable employer that values and nurtures its people.”

TECHNOLOGY THAT LEADS SUSTAINABLY

As part of Mosca’s global engineering roadmap, the new facility introduces the region’s most advanced strapping machines – engineered for durability, speed, and energy efficiency.

Mosca has led the transition from conventional heat-sealing units to its high-performance ultrasonic SoniXs sealing technology. This innovation enables a highly sophisticated and energy-efficient sealing process, significantly reducing environmental impact while maintaining the precision and reliability synonymous with German engineering.

LOCAL TALENT, GLOBAL STANDARD

One of MGM’s proudest achievements is its consistent investment in Malaysian talent across

all levels – from shop floor technicians to senior management. The new facility brings tangible economic benefits to the region, including job creation, supply chain development, and technology transfer.

With this milestone, MGM not only strengthens its position in the Asia-Pacific market but also reaffirms its long-term commitment to Malaysia and its people. ■



Batrisyia Najwa Razali
Project Management
Office Executive

NONSTOP INTELLIGENT



From hackathon to smart factory

AI AT MOSCA

Less set-up time. More efficiency.



Mosca employs artificial intelligence to minimize set-up times and improve production processes. Together with the start-up One Thousand, we have developed a smart solution with measurable success.

[READ MORE →](#)

Source: Trade journal "neue verpackung"

Customers like Würth rely on Mosca's machines to secure finished products for transport. However, high demands for machine customization mean frequent changes for Mosca's own production, sometimes for small production quantities. This leads to considerable set-up times – a well-known problem in mechanical engineering. The solution lies in the use of artificial intelligence (AI) to make production processes smarter and reduce set-up times. Mosca developed an AI-supported optimization to organize its manufacturing processes more intelligently.

COOPERATION THROUGH CO-CREATION

The decisive impetus came from One Thousand, a Berlin-based start-up founded in 2019. With the aim of making AI usable for small and medium-sized enterprises, One Thousand focuses on customer-specific solutions instead of universal AI models. This approach has already proven itself in more than 100 successful projects.

At the start of the project in January 2023, Mosca and One Thousand met for a two-day hackathon involving employees from all areas of Mosca. This helped to create a common understanding of the challenges, and to define concrete starting points. The goal was to start with a specific use case rather than tackling all problems at once. There were already many ideas within Mosca.

However, it was only through collaboration with One Thousand that these ideas could be translated into code. The

central role of data should not be underestimated here, as it already contains the knowledge needed to solve the existing pain points. The approach by One Thousand can therefore be summarized as $P \cdot D = \text{Value}$: pain points times data equals added value.

P*D=Value:
Data + Pain Points = Added Value

STEP BY STEP

Of the many ideas generated during the first hackathon, one was prioritized and implemented: smart sequencing, where an AI-supported solution optimizes the sequence of production orders using genetic algorithms inspired by biological evolutionary processes. The solution was developed and refined step by step until it met all requirements.

Six months later, the smart sequencing proved successful and also showed a clear return on investment. A second AI breakthrough followed suit: the next step was to improve the manual





quotation process, which had previously taken too long and was difficult to scale.

A second hackathon in spring 2024 produced an AI-based answer. By analyzing historical data on customer inquiries and orders, a tailor-made automation solution was developed. This has since been seamlessly integrated into Mosca's SAP system and automates a large part of the process.

THE RESULTS AT A GLANCE

- An initial working prototype for smart sequencing was already available after the first hackathon.
- A clear return on investment was evident within six months.
- Set-up times were reduced by up to 20%.
- Every day, 800 production orders are now prioritized more intelligently.
- Optimized scheduling improved delivery reliability.
- The automation rate for quotation creation is now 75 - 80%.
- Processing speed has increased significantly, which boosts customer satisfaction.
- Error rates have been reduced, enabling scalable processes.

COLLABORATION AS A SUCCESS FACTOR

From the outset, the collaboration between Mosca and One Thousand was characterized by mutual trust and partnership. The hackathons not only helped to develop concrete solutions but also increased employee acceptance of new technologies.

There were no concerns about job losses: Our employees now use the time they have

gained to focus on more important tasks. Mosca's innovative strength is also recognized externally: We have been honored with an award by Allianz Industrie 4.0 and are already planning further hackathons to optimize our processes. ■

WHAT IS A HACKATHON?

A hackathon is an intensive, time-limited event where teams come together to solve a specific problem, often related to computer programming or software. Participants typically work on a project over several days to develop a working prototype or solution.



Gregor Karmowski
Group Vice President IT
& Digitalization

INTERVIEW

Talk with Gregor Karmowski:
Mosca and AI

What does artificial intelligence mean for Industry 4.0? We obtained first-hand answers and insights from Gregor Karmowski, Group Vice President IT & Digitalization at Mosca.



Mosca has been a leader in the strapping industry for a long time. What role does AI play in the company?

At Mosca, we already use AI in various areas of our business. We see considerable potential in our products to make the vision of Industry 4.0 come to life by improving the availability of our systems in customer processes, planning downtime and working more intelligently.

That's fascinating! You mentioned the importance of innovation and collaboration. How does Mosca approach partnerships with regards to AI and Industry 4.0?

Innovation is part of our DNA, and AI is currently one of the most important technological developments of our time. We are committed to developing innovative AI solutions for our customers at the Innovation Park Artificial Intelligence (IPAI). Collaborative partnerships like these are essential, and we look forward to actively participating in the community.

Artificial intelligence offers enormous potential for our industry. By working with other innovative companies, we can jointly develop new solutions and provide even better support to our customers and internal services.

It sounds like engagement with like-minded organizations is a priority for you. How do you envision sharing experiences and building these partnerships?

Our goal is to create a platform for exchanging ideas and experiences. Ideally, we want to promote partnerships and joint developments that focus on Industry 4.0 and connected production.

A great vision. You also mentioned the balance between opportunities and risks associated with AI. Could you elaborate?

Absolutely. We believe that every technological advance should serve to improve humanity. In the context of AI, there are both opportunities and risks. Ultimately, it depends on how we design and implement these technologies.

You say that you value the role of knowledge sharing. How do you think this affects the integration of AI at Mosca?

We are aware that we need external input to effectively bring complex topics such as AI into our company. Playing a leading role in AI for our industry and our customers is not just the result of our membership in IPAI but requires continuous effort and collaboration.

How do you think AI will contribute to your customers' productivity?

Productivity gains for our customers are the foundation of our existence. We see digitalization and AI as an opportunity to further extend our advantages, with better machines, improved materials, and enhanced service. We are evolving from a manufacturer of machines and materials to the de-

velopment of data-driven business models that improve the operation of our machines at our customers' sites.

Sounds like an exciting transition! How do you plan to master the challenges and opportunities of collaborative innovation centers in the future?

Visits to large innovation centers reveal both opportunities and challenges in collaborative environments. We believe that sharing experiences is necessary to advance these issues and that it is important to inspire our developers with best practices for technological adaptation.

Thank you very much for your insights. Before we wrap up, would you like to tell us a little about your vision for Mosca in relation to AI?

Sure. We are committed to a professional environment that is tailored to our relevant topics, and we are eager to provide added value to the community. AI will influence every area of our lives.

Thank you very much, Mr. Karmowski, for your time and insights. ■



GOOD TO KNOW

With the Innovation Park Artificial Intelligence (IPAI), Europe's largest AI ecosystem is currently emerging in Heilbronn. Following a nationwide competition, companies, startups, and research institutions are working here on AI innovations.



Annika Vollmer
Communications Manager

IMPRINT

Mosca 360° – The Magazine for Packaging Solutions

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