

40 years of EAM-Mosca Corp.

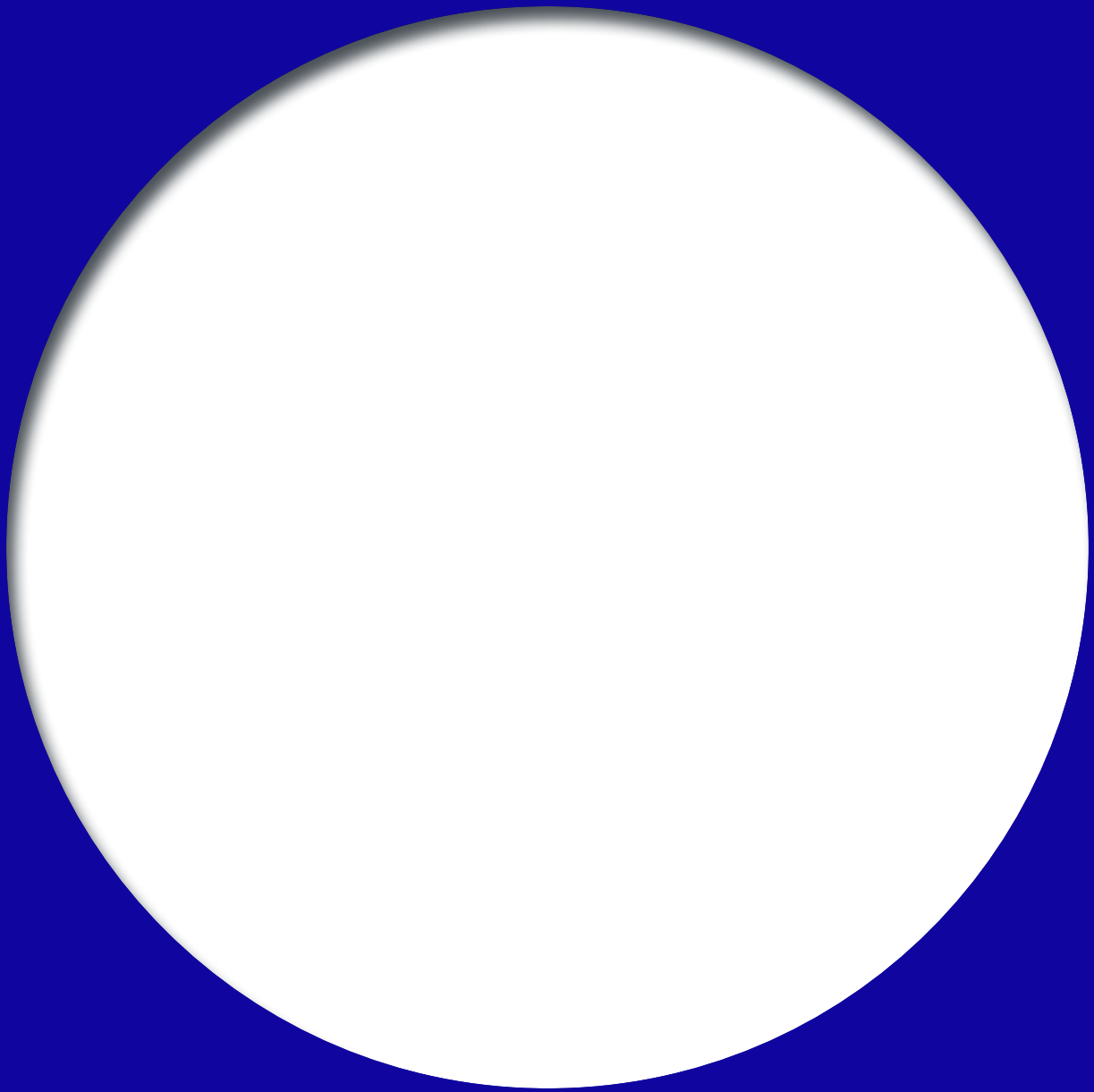
The beginnings and success story in the American market

TechCenter for pallet loads

High-tech technology centre for optimising transport packaging

SoniXs TR-Connect & SoniXs M-RI

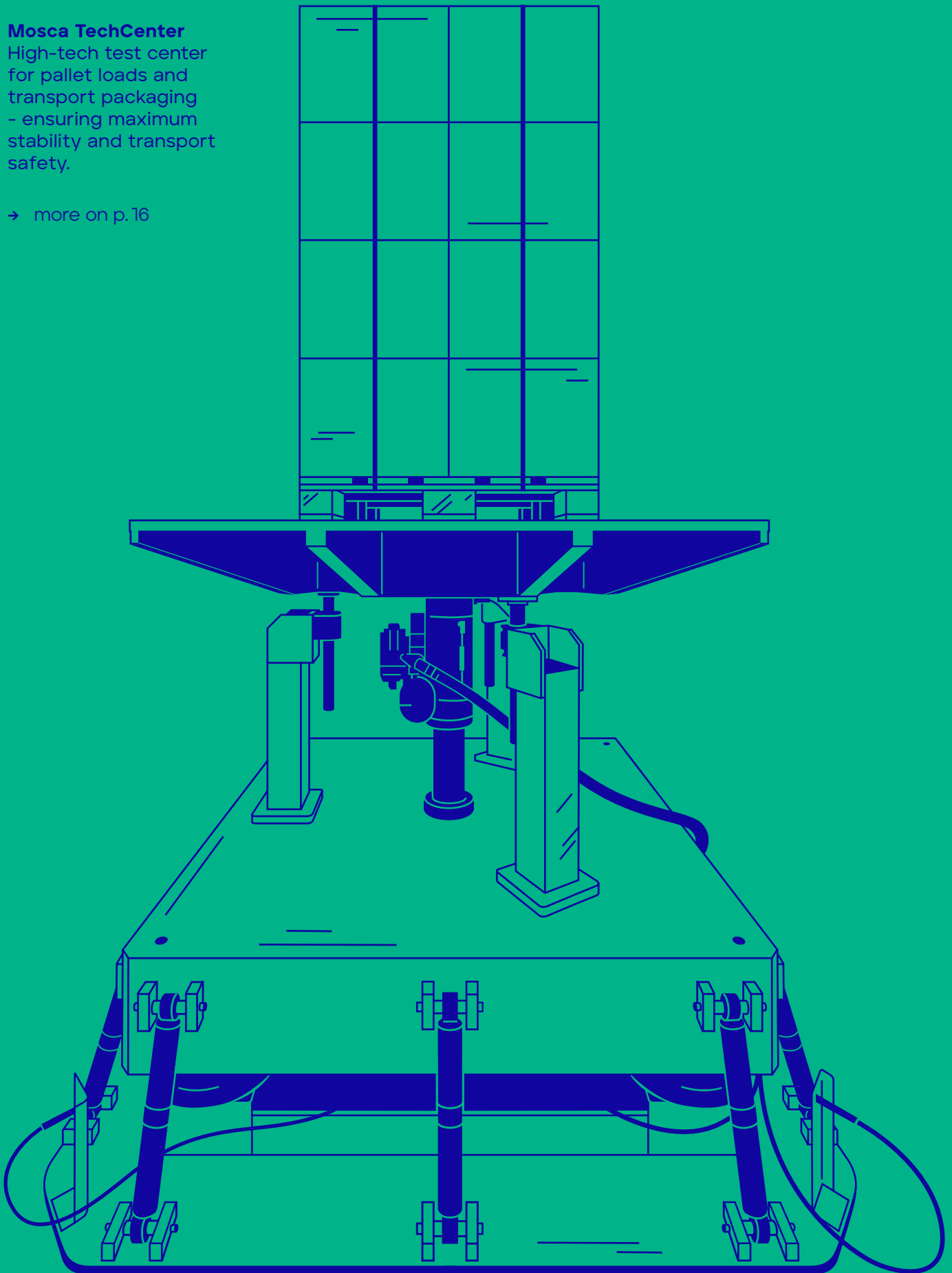
A new generation of machines for digital transformation



Mosca TechCenter

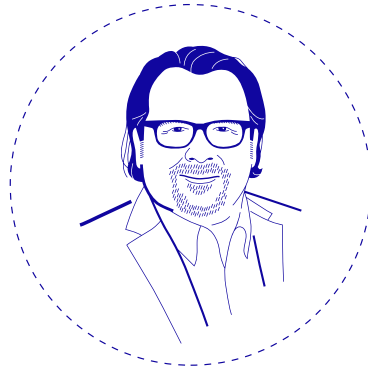
High-tech test center
for pallet loads and
transport packaging
- ensuring maximum
stability and transport
safety.

→ more on p. 16



» Responsible, Reliable,
Intelligent & Progressive
– the four dimensions
of our philosophy are
reflected in all divisions
of the company.

Whether it's the
product portfolio,
consulting, service
or partnerships.«



Dear Readers,

You know the feeling before a trip: your bags are packed, provisions are ready and you can hardly wait to get started. That's how we at Mosca feel with regard to this year and the years to come. We've been working behind the scenes to prepare for the journey ahead: from strengthening our supply chain and expanding our product portfolio, to developing our new support system.

Where are we headed? The past few years have proven to all of us that making long-term plans isn't always the best solution. That's why we rely on an agile approach combined with careful preparation. We're in a position to plan our capacities at short notice and deal effectively with production peaks. We are also keeping the lines of communication with our suppliers open so that we can better manage our inventories. In the future, we plan to use the synergies between our major international hubs to identify trends on the global market and counteract supply bottlenecks.

We have already pinpointed some of our destinations for the next few months and are very much looking forward to participating in several international trade shows in 2023. Things will kick off with LogiMAT at the end of April. We'll also be setting up shop at Interpack and Ligna. We hope you'll stop by our exhibition stand for a chat!

Communication with you is important to us. After all, what is a journey without the right travel companions? We want to work with you to shape and master the coming years. Whether your journey is headed for more reliable packaging and logistics processes, higher efficiency or better sustainability, we're there to support you with our expertise every step of the way. Our new TechCenter officially opens this year, and we will soon be able to rigorously test and optimise your unit loads. And our CO₂ calculator will help you precisely determine the environmental footprint of your packaging solutions. We're confident that by working with you, we can make end-of-line packaging processes more sustainable and benefit from each other's know-how. Let's join forces and take the first steps towards achieving these goals together!

I hope you enjoy reading this new issue of our customer magazine!

Best regards

Timo Mosca

Topics



PERFORMANCE

High-tech test centre for secure transport

P.16

RESPONSIBLE

First Sustainability report published

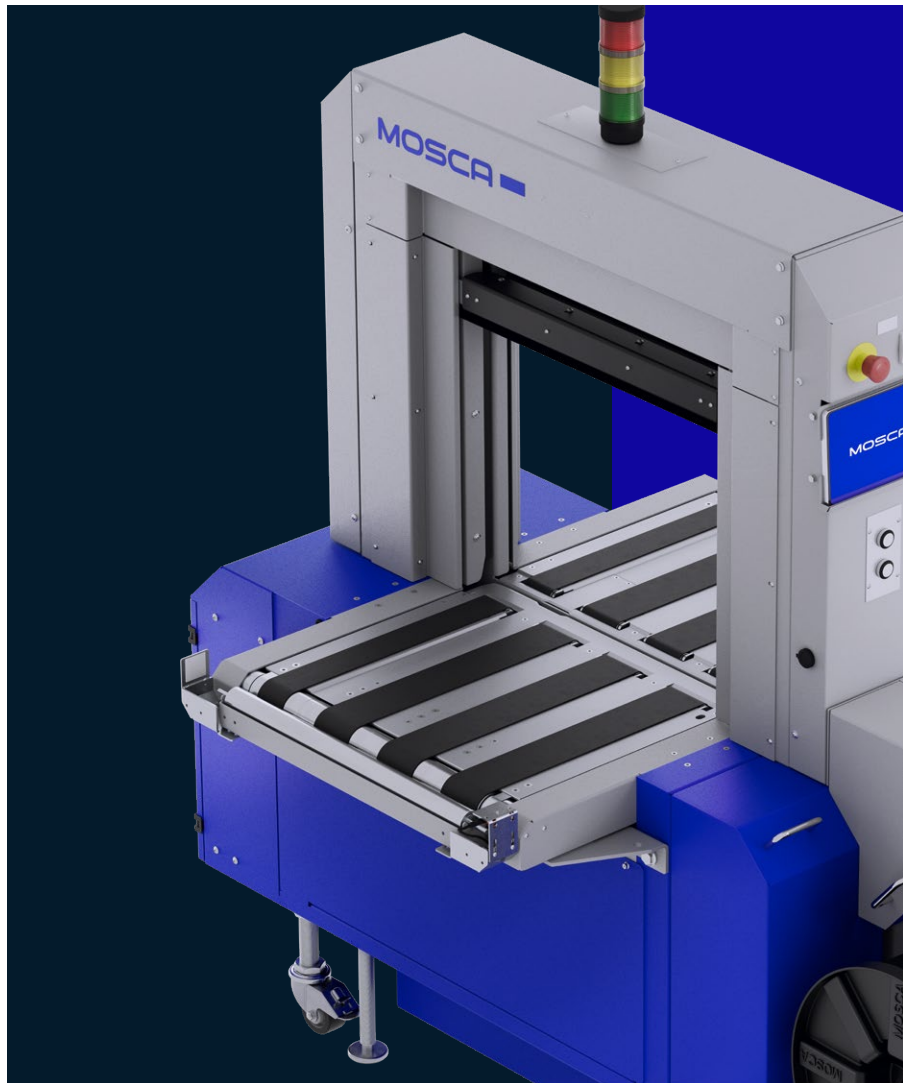
P.21

INTELLIGENT

SoniXs TR-Connect & SoniXs M-RI

We are continuing to drive forward the path of digital transformation at Mosca with a new generation of machines. Not only are these models more digital. We are also responding more effectively to our customers' needs and increasing availability with new controls and innovative designs.

P.32



PERFORMANCE

Annual review

P.9

Mosca: Germany's
best machine
manufacturer

P.12

Coming soon:
The podcast
to arrive safely

P.14

Project
competition

P.24



INTELLIGENT

Tips for Securing
Pallet Loads

P.29

RELIABLE

40 Years of
EAM-Mosca Corp.

P.37



RELIABLE

Spare Parts Kit

P.40

EXHIBITIONS 2023

Meet us on site

P.42



NONSTOP PERFORMANCE

O

N

N

AN EXCITING & SUCCESSFUL YEAR

N

Thanks to solid growth, we achieved positive results in 2022. Along with challenges and highlights – including a brand repositioning, enhancement of our sustainability commitment and international expansion – flexibility and close cooperation were the key success factors that guided our Mosca team safely through the year.

[READ MORE →](#)

Mosca experienced some turbulent months marked by a constantly changing global market and the political events in 2022. According to CEO Timo Mosca, the company can look back on another successful year thanks to flexibility and Mosca team spirit – especially in difficult times.



“It became clear to us again in 2022 that we have to forgo long-term, rigid planning and demonstrate

flexibility – without losing sight of our primary goals and values”, he concluded. “We’re proud of our continuous growth and our ability to surpass market expectations over the past two years. This would not have been possible without the trusting cooperation and cohesiveness of our employees – and for that I would like to express my gratitude.”

In the past year, numerous positive developments evolved. In addition to more trade show appearances and the expansion of our stretch wrapping business unit, we enhanced our portfolio with the new SoniXs M-RI strapping machine and other products. The international workforce also grew closer together. Changes at Mosca were made

apparent by repositioning the brand. “Nonstop Performance”, our new leitmotif, reflects the company’s global focus and our image as an end-of-line specialist. Timo Mosca: “Over the past year, we have continued to develop internally and externally as we prepare for a successful future.”

STRONGER COMMITMENT TO SUSTAINABILITY

We strengthened our sustainability commitment again last year. As part of our first sustainability report, an interdisciplinary committee focused on establishing and further developing earlier sustainability initiatives. For example, the committee analysed recyclability and resource consumption across the spectrum of strapping materials. Simone Mosca explains: “Our goal was to determine the parameters as precisely as possible and to present them in our sustainability report. This is the best approach to ensuring our customers and partners receive sound advice in the future along with support for their in-house sustainability commitments.”



Our new TechCenter in Waldbrunn is where customers will soon be able to test their pallet loads for stability under extreme conditions.

FOCUS ON GUIDANCE, INTERNATIONAL GROWTH AND COHESION

With a successful 2022 behind us, we at Mosca have our sights set on clear-cut goals for 2023. To give our customers more targeted support in the future, we are not only expanding our capacities, but also our portfolio. In our new TechCenter in Waldbrunn, customers will be able to test their load securing systems for stability under extreme conditions and use our CO₂ product calculator to optimise their packaging in terms of resource consumption.

For our upcoming projects, we can rely on an outstanding team. Several of our employees have been with us for decades and have made a significant contribution to the company's success. For example, Dietmar Zieger, Klemens Sanns, Horst Bauer and Thorsten Brockmann celebrated 40 years with Mosca in 2022. Imre Mesaros, Dirk Weis, Rainer Zinn, Ralf Ernst, Timo Kaufmann, Roland Teicher, Dietmar Reimold, Siegmar Bopp, Sven Andersdotter, Steffen

Bauer and Alexander Hintz marked their 25th anniversary with the company. Simone Mosca: "Over the past three years, we have created 45 new positions. Focusing on our new colleagues, we want to offer learning opportunities that highlight our values and corporate culture on both national and international levels. Because this is what our Mosca system is based on – and it's what enables us to remain successful even in turbulent times." ■

Wondering how secure your packaging solution is and how you can optimise it?
Find out more about the TechCenter on page 16.



Nicole Frey
 Advertising specialist for
 Market Communication

MOSCA NAMED AS

Germany's best machine manufacturer

According to the results of a meta-analysis conducted by Focus Money magazine, Mosca is Germany's best machine manufacturer. This award recognises the companies that performed particularly well in the previous evaluation: Price/Performance Winner 2022, Highest Trust 2022, Customer Favourites 2022 and Germany's Best – Sustainability 2022. Mosca ranked at the top of the machine manufacturing category with 100 points, setting the benchmark for companies across the industry.

Commissioned by Focus Money magazine and Deutschland Test, the study to determine the Company of the Year 2023 was carried out by the IMWF Institute for Management and Economic Research. The meta-analysis summarises the results of four previous studies that surveyed more than 19,000 companies in the period from February to August 2022 using artificial intelligence and neural networks. Four factors – price/performance, customer confidence, service quality, sustainability – each accounted for 25% of the overall ranking. Mosca performed extremely well in all four categories and competed against all other companies in the study to receive top marks in the machine manufacturing segment.

RESOURCE AND ENERGY EFFICIENT

Focus Money has already presented multiple awards to Mosca for its high level of sustainability. In 2021 and 2022, we as a company ranked at the top of the machine manufacturing segment for Germany's Best – Sustainability award. This assessment looks at environmental as well as economic and social sustainability. Mosca stood out in all areas for its high level of innovation and its initiative. While our machines save energy and lower emissions thanks to SoniXs ultrasonic sealing technology, our strapping materials are produced with green electricity and use a predefined proportion of recycled plastic. In addition we at Mosca actively support regional programmes, for example, with an annual project competition that targeted local environmental protection programmes in 2020 and 2022.





»As Mosca machines operate reliably even after millions of strappings, our customers benefit throughout the entire life cycle of the machine.«

Timo Mosca

INNOVATIVE SERVICE CONCEPTS

We are also steps ahead when it comes to service quality. Our OneService concept, launched in 2018, guarantees standardised quality worldwide with swift support from our experts. Two innovative new services are scheduled to launch in 2023.

One is the Mosca TechCenter that will enable our customers to test their transport packaging in detail. The other is the new Spare Parts Kit that will ensure faster maintenance for wear parts. Our customers can order a package of spare parts specifically tailored to their machine. This makes it possible to replace defective components on the spot and minimise machine downtime – even when supply chains are running at maximum capacity.

mance Industry 4.0 solutions for fully automated, digitalised production lines. Our portfolio also offers a variety of strapping materials for different applications.

A RELIABLE PARTNER FOR CUSTOMERS

We see our role not only as a machine manufacturer, but above all as a partner for our customers. This is reflected in the high level of trust placed in us as a company. Timo Mosca: “The fact that in the difficult times over the past years we have still managed to reliably deliver our machines and consumables and to deal transparently with delays, has further strengthened the trust our customers and partners have placed in us. This was made possible thanks to our high flexibility and close communications with our customers and suppliers. The award recognising us as Germany’s best machine manufacturer shows that Mosca stands for top performance across the board – and it motivates us to continue improving in the future.” ■

RESPONSIBLE, RELIABLE, INTELLIGENT AND PROGRESSIVE – THE FOUR DIMENSIONS OF OUR PHILOSOPHY ARE REFLECTED IN ALL DIVISIONS OF THE COMPANY. WHETHER IT’S THE PRODUCT PORTFOLIO, CONSULTING, SERVICE OR PARTNERSHIPS.

LONG-LASTING MACHINES FOR EVERY NEED

Our approach to price/performance is based on ensuring the highest possible quality with the right machine for every requirement at the end of the packaging line. CEO Timo Mosca explains: “We place top priority on the quality and longevity of our solutions. Mosca machines continue to run reliably even after millions of strapping cycles. As a result, our customers reap the benefits throughout the entire service life of the machine.” We supply a wide range of machines to meet every need and budget: from semi-automatic units for random manual applications to high-perfor-



Frank Mutschler
Head of Market
Communication

Coming soon:

THE PODCAST

to arrive safely



The dark green leaves of the Arabica plant reach out towards the sun. For the past nine months, the ambient temperature has remained steady at an average 24°C. Peeking out from between the leaves are the bright red beans used to make coffee – Germany's favourite brew.

The cultivation of coffee is demanding; both temperature and rainfall are crucial for a high-yield harvest. After 7-9 months of ripening, the coffee beans are picked by hand or by machine. Immediately after harvesting, the beans have a moisture content of 50-60% and will have to be dried for 6-8 weeks and processed before they are packed into 60 kg bags and shipped.

The precious beans are now ready for a long journey. They are transported in containers by sea to the country of destination, where they are roasted and prepared for market. But what happens on the way from the plantation to the supermarket shelf? What adversities await the valuable cargo during the journey? How can these challenges be mastered to ensure goods are unloaded safely without problem at their final destination?

Our podcast focuses on issues related to shipping, transport safety and packaging. We take a look at a wide variety of products as they make their way from production to processing and ultimately to the consumer. We also highlight the difficulties and challenges throughout the entire process and offer tips and solutions that may be useful for your product. At some point in its life cycle, every product is strapped, stretch wrapped or packaged in some way to secure it for transport. Whether by truck, ship or plane, products always have a long and interesting journey behind them before they arrive at their destination.

The first episode of our podcast is coming soon – and we have prepared an exciting topic for discussion with our invited guests who are all experts in the field. ■

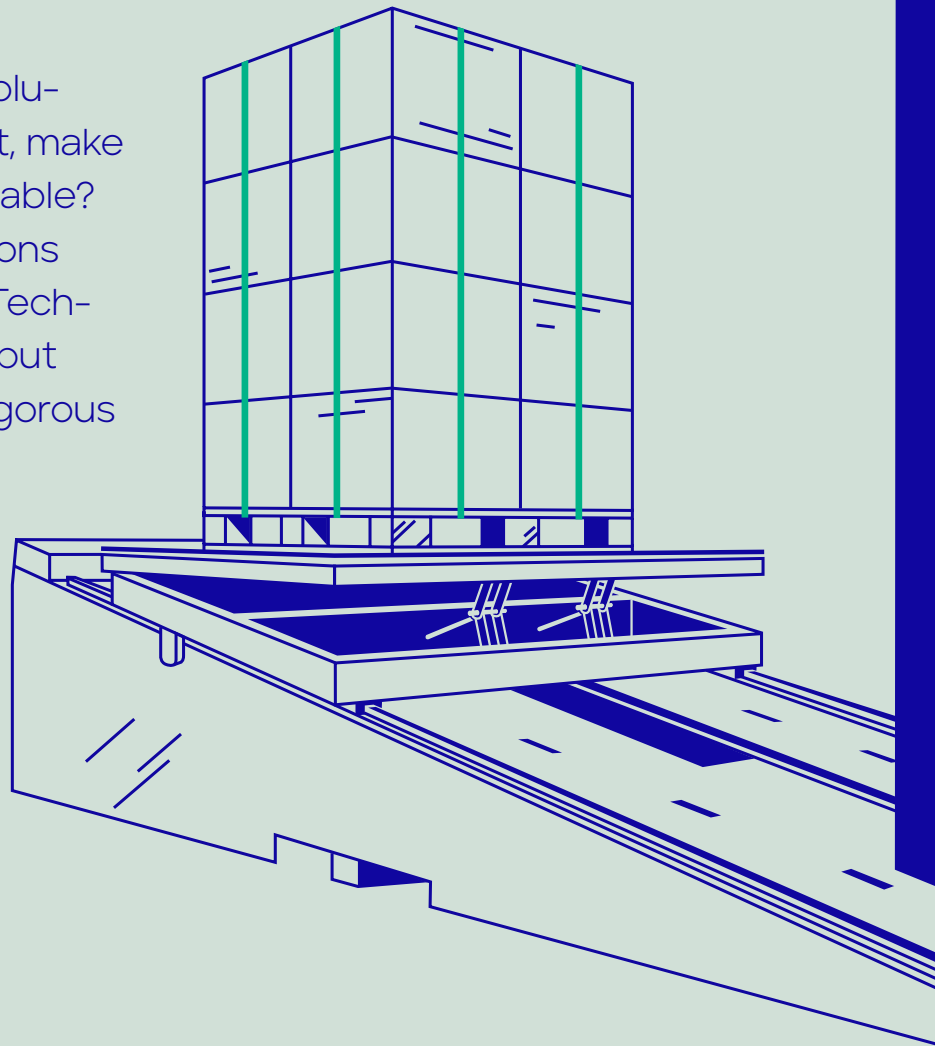


Nicole Frey
Advertising specialist for
Market Communication

SUSTAINABLE, SECURE & EFFICIENT

High-tech test centre
for secure transport

How secure is my packaging solution? And how can I optimise it, make it leaner and more eco-sustainable? These are precisely the questions we answer at the new Mosca Tech-Center, where companies can put their packed pallets through rigorous testing and optimise them.





Screaming tyres, red-hot brakes and cargo weighing over a tonne crashing against the front wall of a container at several metres per second. When transport vehicles have to brake sharply, enormous forces are unleashed – with equally enormous consequences. If the load is properly secured, the driver and others involved get away with nothing more than a scare and the cargo remains undamaged. But if the securing system is inadequate, the situation can quickly change – with consequences ranging from property damage to endangerment or, in the worst case, personal injury. To help prevent this situation, we are currently developing our new Mosca TechCenter at our site in Waldbrunn. This is where companies can analyse their pallet loads for transport safety and optimise them as needed.

“Many companies only see how well their transport packaging perform in an accident or when the worst-case scenario occurs,” explains Johannes Wieder, Sales Manager Logistics at Mosca. This can result in financial and even legal difficulties for a business because the company initiating transport of pallet loads can be held liable. “Detailed testing of a transport security system in the Mosca TechCenter ensures protection against worst-case scenarios and enables optimisation or even reduction of the required packaging,” Wieder adds.

DESIGNED FOR ALL LOADS

From a hard impact or hours of vibration to sudden acceleration, customers at the Mosca TechCenter in Waldbrunn can have their pallet loads put through rigorous trials on four test stations. These include a tilt testing tool, a horizontal stability tester to measure horizontal acceleration and deceleration, an impact tester for impact or crushing forces and a vertical vibration system.

There is also a camera-supported evaluation unit that records and analyses deformations during stability testing. A data logger is used in the TechCenter to record and compile the required data on shocks, vibrations and sudden acceleration during transport. This unit can also be loaned to

[READ MORE →](#)

Here's why you should reconsider your transport packaging:



REDUCE MATERIAL CONSUMPTION

Minimise the amount of packaging material to meet your specific needs.



GUARANTEE LOAD SECURITY

Ensure your packaging can withstand the stresses of transport.



INCREASE EFFICIENCY

Optimise your pallet loads with tailored recommendations to improve transport security.



LOWER YOUR CARBON FOOTPRINT

Reduce your carbon footprint with a CO₂ calculation for your transport packaging.

customers to assess loads on their transport routes and provide details that can be used to make adjustments on a test stand and adapt the packaging to their specifications.

CUSTOMISED TEST PLANS FOR SPECIFIC NEEDS

It's easy to arrange an appointment at the Mosca TechCenter. Simply contact us via the request form on our website. If there are specific challenges that need to be taken into account during the test, you can make a note of these on the form to ensure the best possible support. Afterwards, our experts will work with your technicians to create a test plan that is optimally tailored to the needs of the product as well as the transport route. We offer the most common test routines as standard packages, but a fully customised test plan is also possible. The standards that the tests need to meet are also clarified at this point because, depending on whether the cargo is being

transported to the EU or the USA, different legal requirements must be met. We work with you to determine which standards apply and which tests are relevant for your application.

Once the test plan is finalised, you can send us multiple pallets with secured products and a maximum weight of 1.5 tonnes each. This way, even if one of the pallets is insufficiently secured for transport and becomes damaged in the course of the test, there





is enough material to continue with further testing. Mosca can optionally strap or stretch wrap the products using its own machines in the adjacent showroom. This enables a direct comparison between different types of packaging. After the tests are completed, you will receive a detailed final report with precise data and measurements of the maximum deformation along with photos of the worst-case scenarios and a report based on the chosen standard.

REDUCE AND OPTIMISE PACKAGING MATERIALS

The test results provide information on the safety of a packaging solution along with precise details on optimisation in terms of safety, costs and sustainability. If the results of TechCenter testing shows that the current transport security system is adequate, further tests can be conducted to determine the minimum thickness of packaging material needed to achieve the required security. Possible outcomes include a combination of packaging types or even a change in the packaging design. If, for example, strapping the respective product provides the necessary basic stability, a minimal use of stretch wrap can be added to protect the product from weather conditions. TechCenter services include comprehensive advice on the best possible packaging for your application along with the optimal use of your machine and the most efficient configuration of the pallet load. For instance, if the stability of the pallet can be increased by rotating every other product layer by 90 degrees, more packages can be transported on a single pallet – which significantly increases throughput and cost efficiency.

MORE SUSTAINABILITY

The Mosca TechCenter not only tests unit loads. The primary packaging can also be analysed to

determine, for example, whether a thinner material can be used for plastic bottles to lower packaging costs. Testing can also offer certainty as to whether an alternative primary packaging provides the necessary security. Johannes Wieder: “We test the functionality of minimal packaging in terms of cost efficiency and sustainability. Using less plastic for primary or secondary packaging results in a transport security system that is less expensive and better for the environment.” To improve sustainability, you can optionally use the Mosca CO₂ product calculator to precisely determine the emissions generated by the packaging and associated material. This provides targeted suggestions for effectively reducing emissions. ■

Are you interested in using the Mosca TechCenter? Please feel free to contact us: techcenter@mosca.com



Patrick Straube
Team Leader Test Center

NONSTOP
RESPONSIBLE

Taking our path to greater

SUSTAIN- ABILITY

[READ MORE →](#)

With a comprehensive, initial sustainability report, we are making our aspirations visible – and offer an outlook on our goals and strategies for the future. We put a special focus on the involvement of our employees and the commitment to minimal packaging.

We have taken the next step. In the spirit of sustainable business operations, Mosca is prepared to assume more responsibility as a company and to provide an important impetus to the industry as a technology leader. This is based on our innovative strength, which has always been the Mosca Group's strongest competitive advantage. Innovation is the backbone of our success and is manifested in technological solutions including our SoniXs sealing technology and new resource-saving minimal packaging solutions. Mosca's widespread market acceptance validates our position and encourages us to resolutely continue on this path.

First and foremost, our customers are interested in sustainable end-of-line solutions. Long before we initiated our sustainability committee in 2020, this was the focus of our product development and a point of reference for the Mosca Group's general orientation.

More than 25 years ago, we converted most of our strapping machines to energy-saving DC motors and replaced inefficient pneumatics with electrically powered actuators. In 2004, we pioneered our patented SoniXs technology that uses ultrasonic waves to weld strap ends.

We have been operating our strap production plant at the site among others with solar power since 2008. In the same year, we launched the production of polyethylene terephthalate (PET) strapping from 100 % recycled PET flakes and tested the use of recycled polypropylene (rPP). The development of compostable polylactic acid (PLA)-based straps, which began in 2013, is now complete and patented. The Mosca Group is currently focusing on the introduction of biopolypropylene (bioPP) as a raw material and the groundwork has already been laid with the recently acquired International Sustainability and Carbon Certification (ISCC).

As the CEO in charge of the strap production, I have always been keenly interested in plastics, material input / substitution and the closed-loop economy. Since I took on this responsibility twelve years ago, I have been constantly looking for ways to change the industry and contribute even more added value. At the same time, my role as a family-oriented mother moves me to think about the world we want to live in and what we will pass on to our children.

SCAN
HERE



Read our sustainability
report for 2021 here

The need to improve sustainability goes far beyond the boundaries of production. To a great extent, it also influences how we, as a family-owned enterprise, deal with our employees, their training and our responsibility as a major employer in the local region. The accompanying social responsibility motivates us every day and gives our actions a special significance. We are shaping our approach with our Nonstop responsible 2027 sustainability strategy and our first sustainability report referencing the GRI guidelines. It has always been important for us to serve as an industry pioneer on our own volition, and not to simply take action when we are required to do so in compliance with external factors, such as the Corporate Sustainability Reporting Directive (CSRD) guidelines.

As part of a comprehensive inventory, we have succeeded in identifying the key factors of our carbon footprint. We see the greatest leverage in the selection of raw materials for our strap production. Despite the high proportion of recycled and bio-plastics – by today's standards – we want to continuously improve in this area.

Our aim is to apply our years of expertise to support customers in their sustainability efforts and accompany them as enablers on their path to optimal packaging. The starting position is good, assuming there is a certain degree of market acceptance and willingness to make sustainable changes in packaging. We have made it our mission to offer our customers advice and to support them by raising awareness.

The next milestones are forthcoming. Along with the market launch of a strap made of bioPP, we will be opening our Mosca TechCenter, a testing lab for load securing in 2023. We will also be raising sustainability consulting to a new level with a CO₂ product calculator. Our sustainability committee will be fully staffed by the end of 2023. Our long-term climate protection goal follows Germany's Agenda 2030 which envisages a 65% reduction of the carbon footprint by 2030. To achieve this, we are focusing primarily on changing over our raw materials and increasing the use of solar and other renewable energies. At Mosca,

the economic growth and sustainable development of our company are anything but contradictory. On the contrary: sustainable solutions have always been closely linked to our corporate development. We believe this connection will become stronger in the future and the two goals will go hand in hand. As we see it, sustainability will play a crucial key role in long-term corporate growth.

Despite a few challenges, such as the proliferation of laws and regulations, the limited availability of alternative raw materials, and the lack of consideration of bio raw materials in the EU compared to recycled materials, we look to the future with confidence. We are determined to face all challenges, to overcome them successfully and efficiently, and to consolidate and expand our role as an innovative industry pioneer.

On behalf of the Mosca Group, I welcome your interest in our activities and progress in the field of sustainability. I hope you find our sustainability report interesting and informative. ■



Simone Mosca
CEO



GOOD TO KNOW

What does GRI mean? The abbreviation GRI stands for Global Reporting Initiative. Founded in 1997, this non-profit organisation supports a continuous dialogue between companies, universities, government organisations and many other groups. The GRI guidelines are among the best-known for sustainability reports worldwide and also serve small and medium-sized enterprises (SMEs) in particular as an aid for voluntary reporting.

Project competition – 2022

THE WINNERS



MOSCA



OT



Käsmann
MEIN AUTOHAUS IN MOSBACH.



Spohn
MALEN & STRAHLEN

They collect litter near the Neckar River, build and install nesting boxes or take care of orchards: 32 non-profit associations submitted their sustainability projects to the joint project competition organised by Mosca, Autohaus Käsmann, Odenwald Treuhand and the painting company Spohn Malen & Strahlen.

These companies supported the associations with vouchers worth € 800 each from JOMA and invited them to an award ceremony in Waldbrunn.

Everything revolved around the slogan "Sustainability Wins". For the first time in cooperation with Autohaus Käsmann, Odenwald Treuhand and the Spohn painting company, Mosca sponsored a sustainability competition for non-profit organisations. Numerous associations from the Waldbrunn area submitted creative projects aimed at supporting environmental protection in their local regions. Mosca CEO Simone Mosca explained: "We wanted our competition to focus on the small regional associations whose environmental commitment is often overlooked." The four sponsoring companies provided vouchers from JOMA worth more than € 25,000 in total. Each of the associations received a voucher worth € 800 at the award ceremony.

We had the pleasure of welcoming the associations and our partner companies to the award ceremony at our site in Waldbrunn. The event was also attended by several guests of honour. Dennis Geiger and Jacob Bruun Larsen from the Bundesliga club Hoffenheim came to the award ceremony



»We wanted our competition to focus on the small regional associations whose environmental commitment is often overlooked.«

At the end of the evening, the sponsors and representatives of the associations met for mulled wine and bratwurst.



[READ MORE →](#)



and used the opportunity to congratulate the winners and learn more about the projects. Christiane Spohn, Managing Director of Spohn GmbH commented: "We are delighted to see so many active participants and the imaginative projects presented here today." Klemens Käsmann, Managing Director of Autohaus Käsmann GmbH, added: "It was important for us to support projects that have been active in the region for years but have not been recognised or promoted until now."

LITTER CLEAN-UP CAMPAIGNS SUPPORT ENVIRONMENTAL PROTECTION IN THE REGION

The projects included picking up litter along the banks of the Neckar River by several associations: ASV Zwingenberg, ASC Neckartal, and the DLRG stations in Limbach, Aglasterhausen and Mosbach. The associations also worked to clean up littered areas in the region. The women's teams of the SV Dielbach collected litter around the sports fields in Waldbrunn, a youth group from the Hesselbach volunteer fire brigade took on the area around Hesselbach along with the surrounding hiking trails. The members of the associations also collected litter around Großzeicholzheim, Wagenschwend, Nüstenbachtal and Sattelbach. Some participating associations are planning to reduce their environmental footprint through energy-saving measures FV Diedesheim, FV Laudenberg and FC Hirschhorn overtook the floodlights of their football pitches to LED, and the Förderverein des

Weihnachtsmarktes is committed to lighting their Christmas market with energy-saving LED lamps.

HABITAT FOR BIRDS AND INSECTS

The project competition also focused on insects and birds. The associations SC Diana Limbach and Eberbacher SC, the Johannes-Diakonie Vocational Training Centre in Mosbach, DonBosco Scouts from Neckarelz-Diedesheim, THW Youth Eberbach, the handball team from TV Mosbach and the Exótica show gymnastics group from VfB Wallstadt built insect hotels, bird houses and nesting boxes and installed them in the surrounding area. The THW Eberbach support association also built and installed nesting boxes for the Aesculapian snake, which is highly endangered in Germany.

Several associations also worked in meadow orchards. The Waldbrunn youth fire brigade collected apples and the local groups of the Nature and Biodiversity Conservation Union (NABU) from Eberbach and Seckach-Schefflenztal focused on meadow orchard projects and planted new fruit trees. The bicycle unit from VfR Waldkatzenbach planted trees to benefit bees, while members of the Hoher Odenwald Riding Club created a biodiversity corner with bee-friendly plants and flowers. The NABU campaign "Mobile Phones for Bumblebees and Co." was also about bees. The SV Großzeicholzheim support association and the C-youth team of Eberbacher SC collected dis-

With their numerous activities, the associations make an important contribution to environmental protection.

»Cooperation in the region is an important element of our commitment to sustainability – and that clearly gained momentum tonight.«

carded mobile phones and handed them over to NABU for recycling and received a donation for its insect conservation fund in return.

The SG Rockenau and Cäcilia Mosbach Library focused on completely different topics. While the SG was committed to a sustainable exercise course for the local forest kindergarten, the library presented its resource-saving approach to discarded books.

GROUP FINALE

Following the awards ceremony, visitors, club members and sponsors brought the evening to a close. "We are delighted that many associations are taking the opportunity today to establish contact with each other," said Holger Wettig, Managing Director of Odenwald Treuhand GmbH. Cooperation in the region is an important element of our commitment to sustainability – and that clearly gained momentum tonight." ■



Frank Mutschler
Head of Market
Communications

NONSTOP
INTELLIGENT

Tips for Securing Pallet Loads

Pallet loading is a labor-intensive process that requires careful attention to detail. In addition to preventing items from toppling off and becoming damaged, correctly loading a pallet can improve product and workplace safety.

Manufacturers, warehouses, and other companies that can master how to secure a load to a pallet can significantly reduce instances of lost or damaged products. This guide offers tips on securing a pallet and the best products to enhance your operations.

When typical pallet stacks weigh thousands of pounds, properly securing loads on pallets is essential. Attention to detail will help prevent employee injury and product loss. Consider these tips for how to secure a load to a pallet.

[READ MORE →](#)

What's the Importance of Securing Pallet Loads?

As a company, you understand that properly securing loads on pallets is essential to the safety of your products and your employees. Companies need to know how to strap a pallet for several reasons, including the following.

→ **Protecting Products**

Properly securing pallet loads helps protect your products during shipping and transportation. A secured pallet will remain upright and stable while on a truck or train, providing security for products. Securing pallets also saves businesses money, preventing losses due to damage from products sliding off the pallet.

→ **Ensuring a Safe Workplace**

Businesses must ensure compliance with the safety standards put out by the federal Occupational Safety and Health Administration (OSHA). While OSHA does not have specific safety regulations regarding how to secure a pallet load, general safety rules still apply.

For example, OSHA's General Duty clause requires employers to provide a workplace free of any hazards likely to cause death or severe injury. Improperly loaded pallets and pallet racks can certainly cause serious injuries. Businesses can avoid this occupational hazard by correctly securing loads on pallets to prevent unstable pallets.

8 TIPS FOR HOW TO SECURE A PALLET

1

COVER THE ENTIRE PALLET

Products should always cover the entire pallet. Loading the whole pallet provides stability and prevents items from swaying or toppling during transit. Covering the pallet's whole surface is especially important when loading the bottom of the pallet. An uneven bottom layer allows products to shift and fall off, resulting in damage. Always load the entire surface of the pallet for the safest results.

2

ENSURE PALLETS ARE IN GOOD SHAPE

A pallet is the foundation of each load. The foundation must be in good shape to keep the stack stable and upright. Before loading a pallet, ensure the pallet is the right size and strength to support the load. Check for cracks, loose boards, protruding fasteners, and any other signs of deterioration. If the pallet is damaged, discard it and use one in better shape.

3

LOAD PALLETS EVENLY

Evenly stacking products and materials is essential. An evenly stacked pallet provides greater balance, stability, and strength to the whole stack. It also reduces the pallet's likelihood of falling during shipping or in the warehouse. Ensure you distribute your loads evenly on the pallets to efficiently use space and reduce the chances of a pallet stack falling over.

4

CHECK FOR GAPS

Eliminate gaps in a pallet load for enhanced security. If a pallet moves too much during shipping or handling, items can fall into openings on the stack. An appropriately secured pallet will fit tightly and move as a single unit. Check for gaps as you load each pallet. The items on a load should fit snugly together, leaving little space in between.

5

PLACE HEAVIER ITEMS ON BOTTOM

Ensure that you load heavier items toward the bottom of the stack. Pack your pallets so that they taper inward as they rise. Placing sturdier, heavier items at the bottom will keep the pallet's center of gravity closer to the ground, preventing the pallet from falling and products from settling. Loading heavier items on the bottom also keeps lighter products safe. Pack more delicate items toward the top to protect them from being damaged by heavier products.

6

FOLLOW A STACKING PATTERN

While loading a pallet can require some creative stacking, you should always follow a stacking pattern when you load items. Fitting products together in a fixed way helps increase the load's stability and balance. This practice can also improve warehouse safety by eliminating overhanging edges and uneven weight distribution.

Here are a few common stacking patterns you might use:

- **Column-aligned:** In this method, you place one item on another to create a cube.
 - **Interlocking:** Interlocking items in a pinwheel shape involves intertwining layers together.
 - **Brick:** In brick stacking, each item goes on top of another at a 90-degree angle.
-

7

STACK YOUR PALLETS UPRIGHT

It's also essential to stack pallets properly. Stacking pallets on their sides can weaken their structure, causing them to splinter or crack. Always stack pallets flat, whether they're loaded or unloaded.

8

ENSURE PROPER BINDING TO THE PALLET

Binding the products to the pallet is essential for securing loads on pallets. Attach the entire load down to the bottom of the pallet to bind it to its foundation. When you've correctly bound your pallet, it will travel as a unit when you move it.

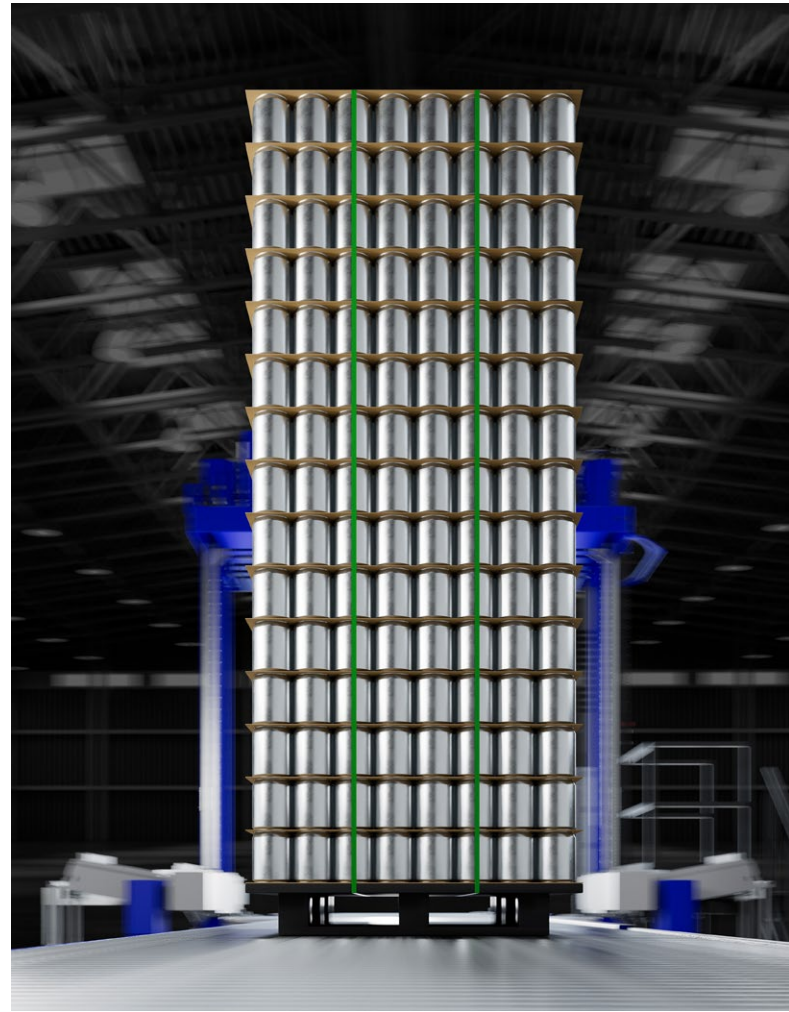
WHY USE PALLET STRAPPING TO SECURE LOADS?

Businesses can choose from several pallet-securing products to keep their loads in place. Some of the top methods are pallet wrapping and plastic stretch film, which use plastic film to wrap loads. However, a third option rises above these two methods — pallet strapping.

Pallet strapping uses a strapping machine to strap the load onto the pallet quickly. These machines are compatible with very large pallet loads and those with uneven sides, giving them greater versatility.

PALLET STRAPPING OFFERS THE FOLLOWING ADVANTAGES:

- **Faster strapping:** Automation makes pallet strappers capable of high performance. Pallet strapping machines are faster than automatic pallet wrappers since they only need to secure the load in two or three places. Some pallet strappers can complete two to three pallets per minute, depending on the type of load and the number of straps.
- **More economical:** Strapping is also cheaper than stretch film. It uses less material to secure and comes in various break strengths for different load needs.
- **Environmentally friendly:** A pallet strapping machine uses fewer consumables, producing less waste. Many strapping consumables are also made from recycled materials, making strapping machines more sustainable than other pallet securing methods.
- **Better stability:** Pallet strapping machines provide better containment for a heavy load. Because the strap is threaded through the pallet, it keeps the items more effectively secured. The strapping consumable also offers better resistance than plastic stretch film. In addition, the operator can adjust the tension on a strapping machine for different load requirements. ■



Before loading a pallet, ensure the pallet is the right size and strength to support the load. Check for cracks, loose boards, protruding fasteners, and any other signs of deterioration.



Abigail Ludden
Creative Manager EAM-Mosca

New generation of machines with innovative options

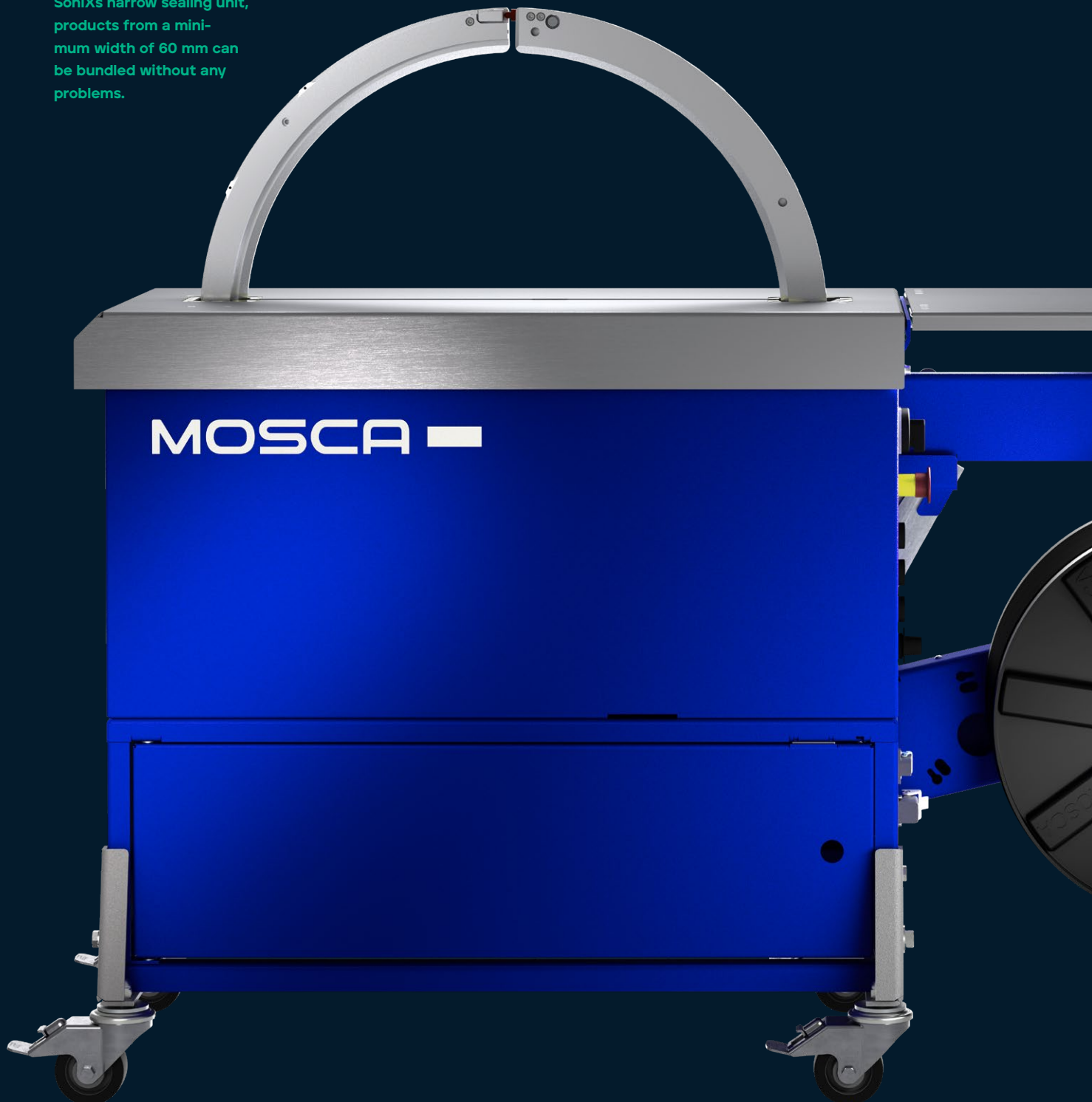
We are continuing to drive forward the path of digital transformation at Mosca with a new generation of machines. Not only are these models more digital. We are also responding more effectively to our customers' needs and increasing availability with new controls and innovative designs.

The new integrated control topology gives customers a comprehensive overview of the machine and enables them to parameterise the settings via remote access. This means that performance data can be retrieved and analysed from practically anywhere. Improvements can then be implemented in order to improve overall efficiency and save important resources.

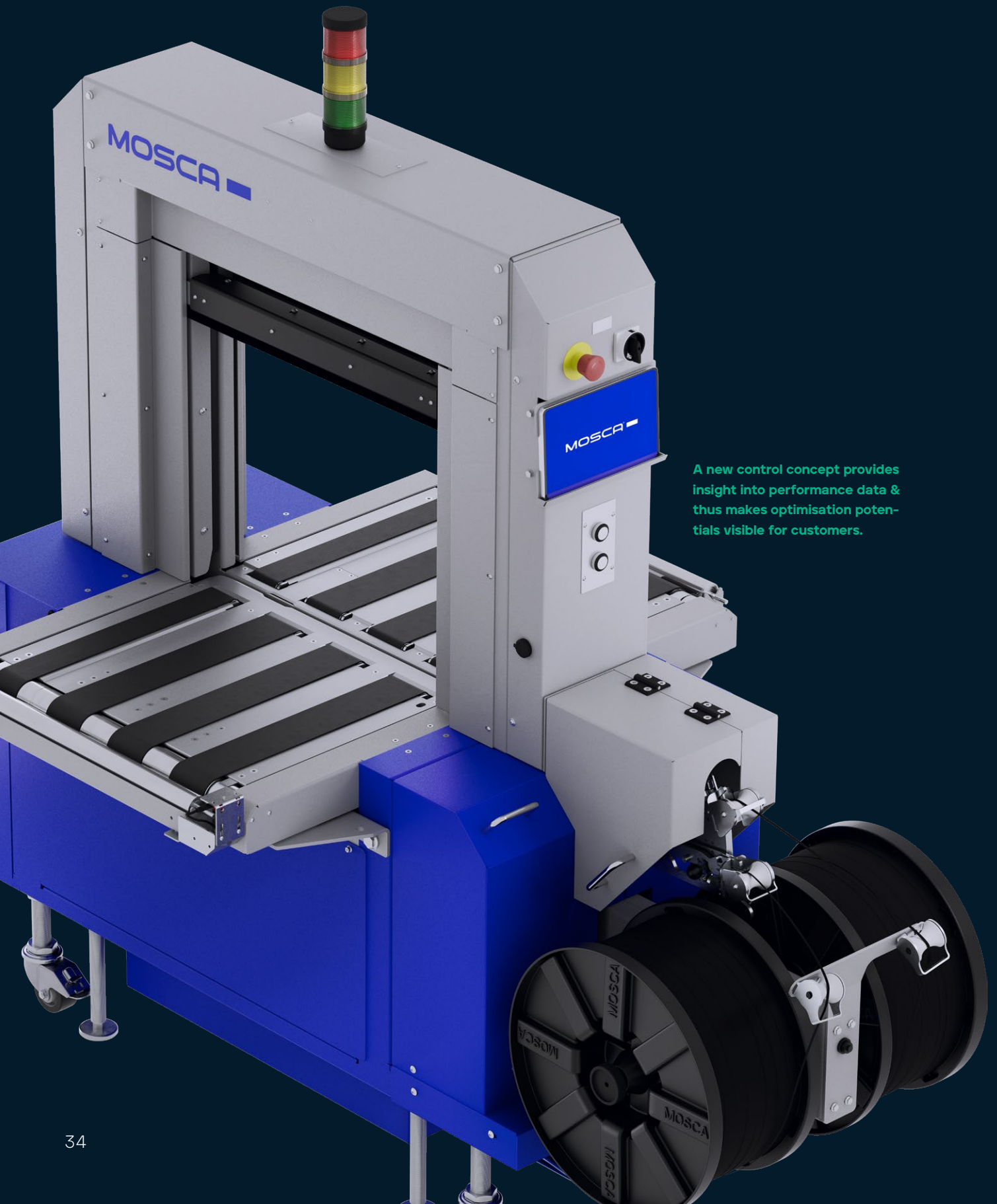
In an initial phase, the RO-M-RI has been further developed. Thanks to its ring-shaped open frame system, the new SoniXs M-RI is ideal for the building materials and primarily the wood industry. The new version of the 'ring machine' features an advanced PLC from the manufacturer B&R and new, more dynamic ring drives for higher performance. The M-RI is equipped with the SoniXs ultrasonic narrow sealing unit as standard. This enables customers to strap even more efficiently with less heat. A special advantage of the strapping technology is that PET strapping can be used in this type of machine without problems.

[READ MORE →](#)

Thanks to the standard
SoniXs narrow sealing unit,
products from a mini-
mum width of 60 mm can
be bundled without any
problems.



Equipped with the latest generation of the SoniXs sealing unit, the TR-Connect is now even more maintenance-friendly.



A new control concept provides insight into performance data & thus makes optimisation potentials visible for customers.

Thanks to minimal heat development at the seal, there are no vapours generated – as is the case with thermal sealing processes. Products can now be strapped with the recyclable, more tear-resistant material. The SoniXs M-RI is also available with a new narrow sealing unit that securely straps products with a minimum width of only 60mm. This enables us to offer customers even greater flexibility in terms of their product dimensions.

The SoniXs M-RI is ideal for wooden slats, roof battens or parquet flooring as well as for conduit pipes, cable reels or other products that need to be strapped through the 'eye'. Thanks to OPC UA and other interfaces, the machine can be used in manual as well as in fully automatic modes. In the fully automatic process, products can be securely bundled for transport with up to 18 strapping cycles per minute.

In a second phase, the SoniXs TR-6 Base and SoniXs TR-6 Pro have been harmonised resulting in the development of the SoniXs TR-Connect. All of our high-end machines for sealing and bundling products will soon be equipped with a high-quality PLC. This will enable our customers to bring more transparency into their processes. The TR-Connect will also be equipped with the latest SoniXs sealing technology as standard. Thanks to its increased modularity, the brand-new Standard 7 sealing unit makes the machine easier to maintain than its predecessor.

EXPLOITING POTENTIAL MORE EFFECTIVELY

Tracking the strapping process, identifying optimisation potential and improving overall operations – this is precisely what the new generation of machines equipped for digital applications makes possible. Both new machine models now offer customers the option to view, control and optimise the strapping process in detail using one of the most advanced WebHMI systems.

The technology behind the new digital options primarily consists of the new Mosca Edge Computing Module, the Mosca Cloud Computing Module and a WLAN module integrated into the machine. The WebHMI creates a multitude of new possibilities for customers. Production can now be continuously monitored and optimised. And with the help of the WebHMI, long-term data can be viewed directly on the Edge module, for example, to detect anomalies in the process and counteract them before a malfunction occurs. The optional WLAN module provides flexible access to the WebHMI with any browser-capable terminal device. This enables the operator to control the SoniXs M-RI and SoniXs TR-Connect via smartphone or tablet and view important key performance indicators. ■

UNDERSTAND THE STRAPPING PROCESS, IDENTIFY OPTIMISATION POTENTIAL & THUS IMPROVE THE OVERALL PROCESS: THE NEW MACHINE GENERATION ENSURES EVEN MORE TRANSPARENCY AND PERFORMANCE.



Andreas Ding
Innovation Manager
(Sales)

NONSTOP
RELIABLE



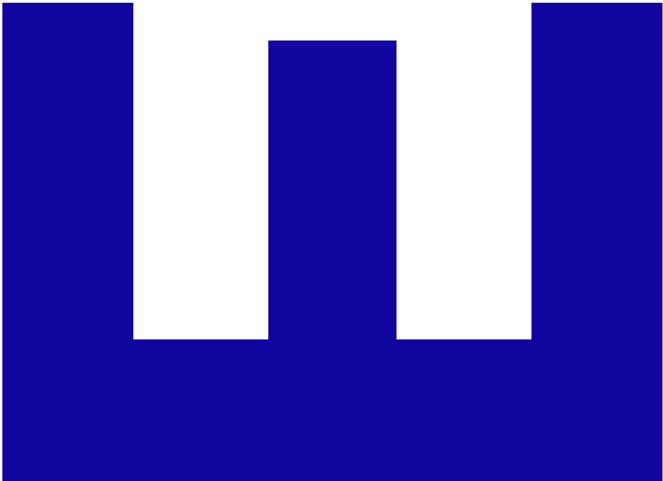
40 YEARS OF EAM-MOSCA CORP.

The story of how it started



When Dierk Wessel, Bob Leighton, and Hartmut Boellmann decided to leave the Cyklop Group to form their own Company in 1982, they intended to offer a marketing vehicle to assist European companies in entering the US market. They set up shop as EAM (European-American Marketing) in Hauppauge, NY, and went to work. However, their good relationships with strapping system suppliers and customers kept pulling them back to strapping – Mosca was no stranger to the three founders at that time either. What started as a small segment led to a distribution agreement with Mosca AG, a German strapping system company looking to strengthen its position in the US market. EAM began selling Mosca bundlers – later the private branded strapping was added to the sales portfolio. Early success led to a move to the current Hazle Township, PA location in 1989.

THE 90S – A DECADE OF GROWTH FOR EAM



In 1990, Mosca acquired a majority stake in EAM that became EAM-Mosca Corp., and the organization began in-house strap manufacture. Keys to growth were the sale of the TRC bundler to the corrugated industry and the development of proprietary fully-automatic strapping system solutions for commercial printing, mailing, and other distribution industries. An opportunity to partner with other strapping business associates led to the establishment of EAM-Mosca Canada in 1992. The Canadian operation developed a corrugated unitizer manufacturing operation, utilizing Mosca strapping head technology in a locally designed and built structure.

In the late 1990s, Mosca introduced their third-generation bundlers that included DC direct drive technology, achieving a quantum leap in performance. Again, the combination of Mosca technology and local adaptation to meet American market needs fueled growth in several markets, including most notably corrugated and commercial printing.

[READ MORE →](#)



The founders of EAM from left to right Bob Leighton, Hartmut Boellmann, Dierk Wessel

INNOVATION & NEW MARKETS

The early 2000s led to the expansion of the strapping operation and office complex and the formation of EAM-Mosca de Mexico. Moreover, Mosca launched the proprietary SoniXs ultrasonic sealing system, the current Generation 6 series of bundlers, and the SoniXs unitizer strapping head. Thus, with steadily improving products and a growing reputation, EAM-Mosca has continued to grow into new markets, new geographic areas, and diversified “end of line” systems that include package transport, custom controls, and allied packaging products in addition to strapping systems.

THE BASIS OF SUCCESS

But special products are only part of the EAM-Mosca story. A unique set of values motivates and guides EAM-Mosca team members every day. Building honest, respect-based relationships with all stakeholders, including customers, suppliers, and fellow employees, as practiced by the founders, remains the stated intention of the emerging next-generation leadership. Everyone understands that the customer-first value system has been key to enabling the Company to capitalize on the great products in its portfolio.

The centrality of positive relationships and customer focus comes through loud and clear in the comments of long-time team members. As Debbie O’Reilly, current Customer Service Manager who joined the Company in 1984, stated: “...the



original three partners showed me respect and trusted me to do my job. In turn, I always did my best and returned the respect. Honored and privileged, that’s how I feel when I say I worked for Dierk, Bob, and Hartmut. Thirty-eight years later, I work with the next generation of Wessel, Leighton, and Boellmann”. Dave Finlayson, Regional Sales Manager who joined the Company in 1991, says: “the Company’s growth has been exceptional, but one thing has always remained the same, and that is the culture of family with all of our employees contributing to the company’s success and our customer first commitment.”

INNOVATIVE WITH THE CUSTOMER FIRST PHILOSOPHY

The corrugated industry is perhaps the best example of the Company’s commitment to continually adapt and improve product performance to meet changing customer needs. Building on early success with the TRC bundler, the Company launched the unitizer program in 1992, giving it a full-line offering for the industry.

The basic bundler series evolved with the market to focus on the “Q” family of squaring bundlers to provide more consistent bundle squareness while maintaining the simplicity and reliability customers were accustomed to. As demand for higher production speeds developed, the “tandem Q” series maintained bundle quality while increasing throughput capacity from 24 to 36 bundles per minute (bpm). And as speed requirements further increased, generated by faster flexos and two-up bundles feeding bundle breakers and slitters, the innovative Max Q, which reaches a production level of up to 48 bpm, was developed. Its strong market acceptance and solid early performance are indicative of the great match between product and market need. Randy Wright, VP of Corrugated Industry Sales, says, “Over the last three decades with EAM-Mosca, I’ve been able to see the commitment that everyone has to innovate and to never settle. Being a part of this continues to be extremely rewarding.”

The unitizer program has followed a similar path of continuous improvement to meet market needs. While the early unitizers were ruggedly built and were good performers for that time, they relied on relatively heavy 12mm wide straps to achieve consistent feed reliability. Since then, refinements in track design and the introduction of Mosca’s SoniXs unitizer strapping head have enabled box makers to achieve even better performance with lighter, less expensive 9mm PET strapping. Production capability has similarly increased through a series of innovative new models. The latest innovation is the CTV- SoniXs unitizing system that features up to 5 strapping heads, with head



Timo Mosca thanked all EAM-Mosca employees on behalf of the Executive Board.

spacings from 9 to 56.5 inches, to enable single-hit unitizing capability for two to five straps over a broad range of unit sizes. Reducing the number of compression cycles or “hits” increases the throughput of the unitizing system, enabling it to keep up with the seemingly ever-increasing bundle output, another example of EAM-Mosca adapting to changing market requirements.

The current backlog of both the bundlers and unitizers attests to our customers’ continued loyalty and belief in EAM-Mosca and our products. While we want to express our appreciation here in words, we also want to assure our customers that we will demonstrate this appreciation through exceptional product and service performance in the future.

PREPARED FOR THE FUTURE

In corrugated and in all the markets EAM-Mosca serves, the company is committed to continuous technology leadership, broadening our “end-of-line” system portfolio, and building constructive partnerships with customers to support our mutual success over our second 40 years. We look forward to working together. ■



1982 - 2022
EAM-Mosca Celebrates
40 Years Of Innovation



Ralph Morini
 Executive Consultant

Spare Parts Kit

The right components always at hand



They're small, but indispensable: springs, deep groove ball bearings, melt inserts and other wear parts keep our high-performance machines running smoothly and ensure trouble-free operations at the end of the packaging line. To maximise machine availability, we now supply specially developed spare parts kits for all machines and types of sealing units. This means that maintenance work can be carried out on the spot – and downtime can be kept to a minimum.

THANKS TO OUR KITS,
ALL THE ESSENTIAL
COMPONENTS ARE
ALREADY AT HAND IN
THE EVENT OF MAIN-
TENANCE AND CUS-
TOMERS CAN CARRY OUT
THE REQUIRED REPAIRS
RIGHT AWAY.

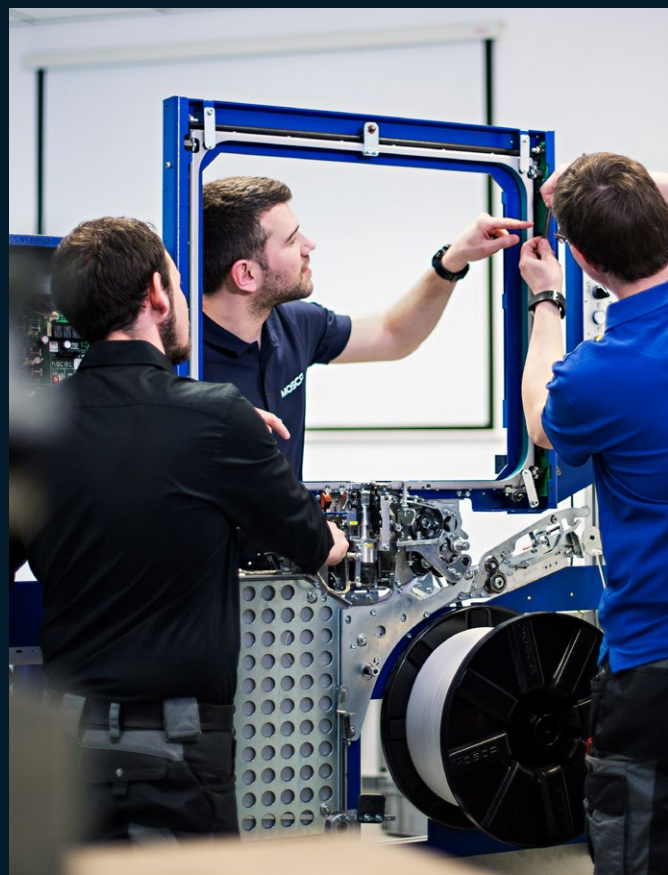
The smallest components – including springs, micro fuses or manufacturer-specific parts such as cutters and slides – play an important role

when it comes to safe strapping operations with our strapping machines. And in the event of a malfunction, repair work is quick and uncomplicated – providing the right spare parts are available. We developed the spare parts kit to minimise machine downtime – even when there are delivery delays or material shortages. Since the beginning of this year, our customers can order an individually assembled set of spare parts for the machine or sealing unit type they purchased or already own. Spare parts kits ensure all the necessary components are on hand when maintenance is required. This enables customers to carry out minor repairs on the spot.

The spare parts kit is designed for a clear overview: one small carton contains four types of components in separate compartments. In addition to standard parts like tension and compression springs, customers receive engineered parts specially manufactured by Mosca, deep groove ball bearings and electronic components such as melt inserts and proximity switches. We specifically selected the components based on our after-sales team's many years of experience. This enabled us to put together suitable kits for all machine models and sealing unit types.

SPARE PARTS KIT SUPPLEMENTED BY IN-DEPTH TRAINING AND EASY REORDERING

To make it easier for customers to maintain their strapping machines, we offer training provided by experienced technicians: We go beyond basic machine operation to teach users how to quickly and safely carry out minor repairs. For more complex problems, our technicians can come directly to the site – with the spare parts kit, all required components are already on hand.



After replacement parts have been installed, reordering is easy: Our customer service team manages the ordering process and sends the new spare parts kit directly to the specified address. If customers only need certain components, they can easily order them using the article number listed in the kit.

The spare parts kits and all related services are available worldwide. Our aim is to support customers and help make their production operations run as smoothly as possible. Of course, we're always there to provide professional support if necessary. ■



Isabelle Geisler
Team Coordinator
Inside Sales

EXHIBITIONS

MOSCA GERMANY



LogiMAT
April 25 - 27
 Stuttgart, DE



Interpack
May 04 - 10
 Düsseldorf, DE



Ligna
May 15 - 19
 Hannover, DE

MOSCA EUROPE



Empack
April 05 - 06
 Hertogenbosch, NL



Warsaw Pack Fairs
April 18 - 20
 Warsaw, PL



Industry Days Budapest
May 16 - 19
 Budapest, HU



PPMA
September 26 - 28
 Birmingham, UK



Empack Madrid
November 29 - 30
 Madrid, ES

MOSCA AMERICA



Seafood Expo
March 12 - 14
 Boston, MA



ProMat
March 20 - 23
 Chicago, IL



NPF Show
May 21 - 24
 Charlotte, NC



ExpoPack
June 13 - 15
 Guadalajara, Jalisco, MX



AWFS
July 25 - 28
 Las Vegas, NV



Corrugated Week
August 28 - 30
 Cleveland, OH



PackExpo
September 11 - 13
 Las Vegas, NV

MOSCA ASIA



Propak Asia
June 14 - 17
 Bangkok, TH



M'Sia-Pack & Food PPO
June 29 - July 01
 Kuala Lumpur, MY



CorruTec Asia
September 20 - 23
 Bangkok, TH



India Corr Expo
September 28 - 30
 Dehli, IN



AllPack Indonesia
October 11 - 14
 Jakarta, ID

MOSCA AUSTRALIA



FoodPro Exhibition
July 23 - 26
 Melbourne, AU

Focus of the exhibition



Corrugated Cardboard & Paper



Food & Beverage



Mail Order & Logistics



Newspapers & Print Media



Building Materials & Containers



General Packaging

IMPRINT

Mosca 360° – The Magazine for Packaging Solutions

Editors:

Nicole Frey (V.i.S.d.P)

Advertising specialist for Market Communication

Mosca GmbH, Gerd-Mosca-Straße 1, 69429 Waldbrunn

Phone +49 6274 / 932-317, nicole.frey@mosca.com

Design:

Im Neuland GmbH, Munich

Cover-Illustration: © Rico Greb, Berlin

Print: RMO Druck GmbH

- Printed on recycled paper made from 100 % waste paper, which has been awarded the BLUE ANGEL.
- produced in an energy- and water-saving way
- particularly low in pollutants



Carbon neutral

Print product

ClimatePartner.com/13358-2303-1019

