# SAHM

news 01 · 2025 A CLOSER LOOK **TRADE FAIRS 2024** CURRENT PROJECTS AT SAHM **ONE YEAR** AROUND THE WORLD

## ONE YEAR AROUND THE WORLD





## Dear Readers,

For us at SAHM, the past year was filled with exciting encounters, international exchange and many shared

From Orlando to Paris, from Frankfurt to Shanghai to Uzbekistan, we had the chance to present our company at the world's most important trade fairs and exhibitions. Each of our stops on this worldwide journey not only provided us with a platform to showcase our latest precision winding machines and solutions, but also gave us the opportunity to get closer to you – our customers.

And this closeness is what matters most. Only through continuous dialog with you can we succeed with our central mission - developing innovative solutions to fulfill all your winding requirements. Of course, this involves the ongoing optimization of our winding machines for your specific applications, while at the same time perfecting the integration of your upstream and downstream processes. In this connection, we are developing robotic solutions that can automate entire workflows and enhance your processes for maximum efficiency. You can get a first impression of our latest development on page 7.

The large number of trade fairs and exhibitions that we took part in reflects the wide variety of the applications and industry sectors which we are serving with our solutions. These range from producing and processing high performance fibers, to carbon fibers and composites, to monofilaments and tapes. With our winding solutions we are equally at home in the coating sector and the converting industry. For converting applications, we also offer customized slitting solutions.

It's by listening carefully to you, our customers, and truly understanding your requirements, that we are able to develop customized technologies that give you a real competitive advantage.

In a world that is constantly undergoing economic and technological change, flexibility and expert knowledge make all the difference. These are the capabilities that have made it possible for us not only to meet the challenges of the past year, but also to seize new opportunities.

We are very excited about upcoming projects that will be launched in 2025 – innovations in the field of robotics, new service and maintenance concepts, further developments in the trend segment of natural fibers and much more.

We wish you happy reading and look forward to continuing to realize shared successes with you.

Happy New Year to you all! Best regards,

Torsten von Koch Sales Director







#### **Shared booth** at CAITME 2024

- Bena Manasieva Cavus Business Development Manager Georg Sahm GmbH & Co. KG
- Mohamed Mahmoud Regional Sales Director Tape & Monofilament STC Spinnzwirn GmbH
- Harald Mueller Regional Sales Director Filament STC Spinnzwirn GmbH



## 15,551 M<sup>2</sup> EXHIBITION SPACE 386 EXHIBITORS FROM 22 COUNTRIES 6,868 INDUSTRY VISITORS

In September 2024, we took part for the first time at CAITME, the Central Asian International Textile Machinery Fair. This renowned event, which was celebrating in 15th anniversary in 2024, is the largest trade fair of this type in the GUS states and the second largest in all of Asia. The vibrant metropolis of Tashkent, Uzbekistan, provided the venue from September 11 - 14.

Together with our sister company STC Spinnzwirn, we presented our innovative winding solutions at a shared booth in the German pavilion. The well-organized trade fair offered an exciting platform for us to come into contact with textile machine manufacturers, customers and potential business partners and to get to know their requirements in more depth.

In the course of these inspiring discussions, it became clear that German technologies – and in particular the leading winding solutions from SAHM – are highly valued in this part of Asia. We will therefore continue to be present at CAITME in the future to strengthen our market presence in Central Asia.

## TRADE FAIRS 2025

## WE LOOK FORWARD TO WELCOMING YOU AT:

JEC WORLD	Paris, France	4-6 March
<b>ICE</b> europe	Munich, Germany	11-13 March
techtextil NORTH AMERICA	Atlanta, GA, USA	6-8 May
HINA	Shanghai, China	16-18 September
2025	Düsseldorf, Germany	8-15 October
ITMA ASIA	Singapore	28-31 October
techtextil	Mumbai, India	19-21 November



## ANGELIKA HUEMER IS AUSTRIAN OF THE YEAR 2024 IN THE CATEGORY "COMPANIES WITH RESPONSIBILITY"

For the 21st time, the Austrian newspaper "Die Presse" and the Austrian Broadcasting Corporation (ORF) have honored "Austrians of the Year". The award recognizes figures from the fields of science, business and philanthropy who have rendered outstanding service. We are very pleased that Angelika Huemer is one of this year's award winners. She was honored in the category "Companies with Responsibility" – a recognition of the impressive engagement of her family-owned company Starlinger & Co. GmbH.



Starlinger is a leading global manufacturer of packaging systems and employs over 1,000 people at eleven international locations. SAHM has been part **Starlinger** of the Starlinger Group since 2002.

# NEW HORIZONS IN THE CARBON UNIVERSE

ENTER THE SAHM CARBON UNIVERSE AND DISCOVER A WIDE NEW WORLD OF INNOVATIVE WINDING SOLUTIONS. FIND OUT WHAT SAHM'S PRECISION CAN DO FOR YOU!





In September, CAMX – the central meeting place for the composites industry in North America – proved to be an ideal setting for presenting SAHM winding solutions in San Diego, California.

Our team (Bernd Budaschik, Oliver Eichenberg and Mark Easley) made good use of the event to nurture new contacts and inform customers about our composite solutions.





HINA



Sales Director Torsten von Koch tours the trade fair exhibits, including a flying taxicab made of composite materials.

## **JEC WORLD**

In March 2024, JEC World, the world's leading trade fair for the composites industry again offered us a compelling platform in Paris, France. Under the slogan "New Horizons in the Carbon Universe", we presented solutions for production and processing in the carbon fiber industry.

Due to the continuing high interest in our SAHM 872XE winder, we once again presented this machine, which impressed customers and fair visitors with its unparalleled efficiency and precision. Our T1 System also attracted lots of attention. With its innovative technology it highlighted our role in actively shaping the future of the carbon fiber industry.

All in all, a highly satisfying trade fair experience with exciting new contacts and discussions Au revoir, Paris – and hello again in 2025!



## **SAHM 872XE**

Fully Automatic

**Rewinding Machine** 

- Superior operating safety
- Automatic changeover
- Metered yarn length
- Zero production wasteOutstanding flexibility
- TO THE BROCHUKE









- Saving valuable production materials
- Simplifying up and downstream processes
- Reducing costs
- Accelerating return on investment



Smiling faces after a successful JEC trade fair day: The SAHM booth team (from left to right): Eric Yu, Theo Braun, Torsten von Koch, C.S. Kim, Vikas Mudotia, François Viérin, Gürkan Cavus and Jochen Zaun.

Our trade fair slogan "New Horizons in the Carbon Universe" also received a great reception at the China Composite Expo 2024 held in Shanghai. The SAHM booth was well frequented throughout the event, and the SAHM team had their hands full handling the flow of visitors. With the support of our Chinese representatives. the local SAHM office in Shanghai and SAHM colleagues Torsten von Koch and Gürkan Cavus from Germany, we presented our solutions for carbon fibers and composites to an international industry audience.



# SOLUTIONS FOR CARBON FIBERS, PAN PRECURSOR YARNS AND COMPOSITES

Aerospace and automotive applications, wind power, filament winding, pressure vessels, civil engineering, sports equipment, etc.

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## NATURAL FIBERS

## NEW WAYS TO SUSTAINABILITY



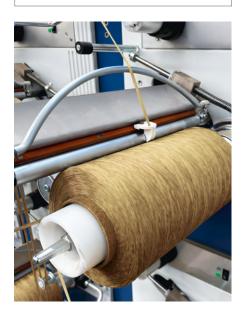
Environmentally friendly materials are getting more and more attention – and natural fibers are one focal point of this development. As an alternative to glass fibers, linen fibers in particular offer an impressive combination of strength, light weight and a reduced ecological footprint. It is no surprise then that linen fiber composites are increasingly being tested for modern applications and are already being put to use in some cases.

SAHM can already offer proven winding technology for use in such fiber production. In addition, we are working intensively on winding solutions that enable efficient and high-quality processing, opening the way to more extensive use of innovative, environmentally friendly composites.

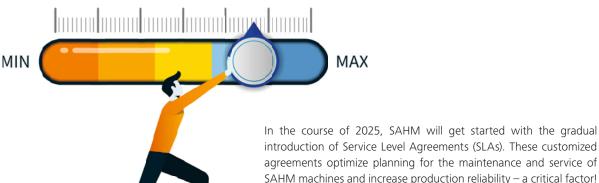
In this way, we are helping to establish the use of sustainable materials in the industry – and paving the way together with our customers to a more environmentally friendly future.



**Theo Braun** Area Sales Manager Tel. +49 5651 804-226



## LEVEL UP! NEW SAHM SLAS





Martina Krengel Head of Service Controlling & Administration Tel. +49 5651 804-250



**Tobias Asbrand** Service Sales Manager Tel. +49 5651 804-251

introduction of Service Level Agreements (SLAs). These customized agreements optimize planning for the maintenance and service of SAHM machines and increase production reliability – a critical factor! Unplanned downtime in an industrial production situation can result in major unplanned costs as well as delivery delays and production losses. With the new SAHM Service Level Agreements, our customers are able to establish a basis for the systematic avoidance of such events. SAHM will be offering five different service levels. These various levels of service support allow for transparent cost calculations for long-term budget control, planned maintenance for the avoidance of unscheduled downtimes, as well as faster response times in the event of breakdowns. Comprehensive documentation will provide maximum transparency and security. Our new SLAs ensure a reliable, efficient and sustainable production environment.

Would you like to know more and the new SAHM SLAs? Contact us by phone or by email at service@sahmwinder.com

We will be happy to advise you and to prepare a customized offer for vour requirements.





**Lukas Vollmann** Research & Development Tel. +49 5651 804-389

The importance of robotics and automation is growing rapidly – also in the world of winding processes. SAHM has been deeply engaged with these developments for many years, including the integration of automation in upstream and downstream processes. After the first stationary handling systems, we developed the BoDo series of mobile, fully automatic doffing and transport systems that can be controlled via a central fleet management software.

This know-how and our extensive automation experience now has enabled our latest automation innovation: the SAHM CB1 project. This mobile, fully automatic robotic system sets new standards in flexibility, mobility and efficiency. It allows for safe human integration and will be revolutionizing automation in winding processes. The CB1 is currently undergoing the final test phase in 24/7 field operation before its planned roll-out mid-2025 to cutting edge production facilities







# ITMA ASIA

## SOLUTIONS FOR MONOFILAMENTS AND TAPES

Fishing lines, tooth brushes, insect protection, packaging nets, filters, 3D printing materials, lawn-trimmer materials, artificial grass yarn, etc.

# SAHM DNA. THE ORIGINAL. THE ONE TO TRUST

For more than 80 years, SAHM has been setting new standards in the industry as a manufacturer of winding machines. Our innovative developments and customized solutions stand for quality, reliability and the highest levels of precision – with such success that they often are copied by others. But copies can never truly match the standard of the original. The quality, precision and durability of real SAHM products continue to be second to none.

With our trade fair slogan "SAHMDNA. THE ORIGINAL. THE ONE TO TRUST." we highlight what sets us apart — unparalleled engineering expertise, technological excellence, absolute reliability and the best service anywhere. These are the qualities that you'll find in each of our products — and they are what make the difference.

This was, of course, the case for our product highlights at the ITMA Asia 2024 in Shanghai: The SAHM 750XE, SAHM 790XE and SAHM 780XE. These precision winding machines for monofilaments feature the unique SAHM DNA and stand for maximum performance and durability.

## THE SAHM DNA

The SAHM DNA is based on in-depth development work and a clear and constant objective – to give you, our customers, a decisive competitive advantage. With patented innovations and individual solutions, we set new standards and provide long-term added value for your business.

High-quality materials and precise workmanship are the basis for machines whose resilience and reliability impress users around the world. These characteristics make for an extended service life and ensure that you have what it takes to be successful in the most demanding production situations.

And SAHM offers more than just top-notch products. With our comprehensive service support – online, on site and in our training academy – we stand by you every step of the way. Whether your requirements are for further training or individual support, our offer will be customized exactly to your needs so that you can realize the full potential of our technology.

## WHY CHOOSE THE ORIGINAL?

Innovation, precision, quality and service – that's the essence of the SAHM DNA. This complete package is what makes our machines unbeatable and ensures that with The Original from SAHM you're ideally prepared for the challenges of tomorrow.









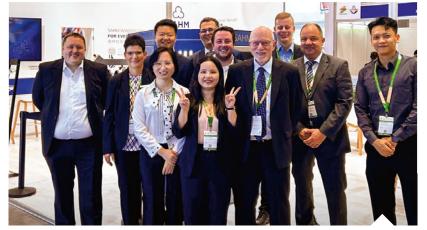
Bright and clear and with a compelling message: SAHM's booth was once again a highlight of the trade fair and was always full of visitors.

Perfectly prepared: The SAHM team during set-up and product training – for a successful company presentation and satisfied customers.



Our colleague Harald Hoffmann (second from left) has been happily retired for three years, but with more than 30 years of SAHM expertise (and 15 in China) he continues to be a valued and expert partner.





The SAHM booth team: Colleagues from Germany, from our Guangzhou SAHM office and from the sales agency DePros – working together for a strong presentation. From left to right: Sebastian Heine, Sonja Reich, Eric Yu, Jessica Wu, Torsten von Koch, Johannes Schäfer, Wenting Zeng, Harald Hoffmann, Jannik Lange, Matthias Hollstein and Rico Wu.

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## SOLUTIONS FOR THE CONVERTING INDUSTRY

Security tapes and holograms, aluminium/PET composite foils, PP adhesive tapes (tear tapes), nonwovens for diapers, rubber bands for rolls, copper tapes for solar panels, etc.

AMERICAN STARLINGER - SAHM, INC.

WINDING SOLUTIONS



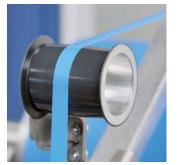
## SAHM 411XE

This precision parallel winding machine is specially designed to meet the requirements of the converting industry. It produces bobbins of consistent high quality and supports a multitude of bobbin types and winding materials. Its low-maintenance design ensures reliable and consistent predictable machine availability.









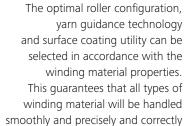




## **BIG INTEREST AT A SMALL BOOTH**

In 2024 we were also on hand at the leading trade fair for the converting industry to present innovative solutions and make new contacts. American Starlinger-Sahm Inc., our American sister company, was present at the trade fair with a compact booth that was manned as always by our Head of Sales Oliver Eichenberg and his American colleague Mark Easley.

Visitors showed great interest in our highly specialized converting solutions. The precision and reliability of our machines in processing highly sensitive materials was especially appreciated. We can look back positively on our time at the ICE USA in Orlando. A large number of industry visitors, valuable discussions and positive responses to our product range confirm our commitment to continuing our development of innovative and versatile converting solutions in the future. A big thank you to all our visitors at the ICE!



wound onto the bobbin.



Together with its long-time partner in the converting industry Adolf Müller GmbH & Co. KG (www.mueller-machines.com), SAHM offers proven, industry-leading technology for inline cutting and winding of narrow tapes. These tapes are used, for example, for security threads (in banknotes, credit cards, bonds, identification documents), in tear tapes (for food packaging), in the cable and packaging industries, and for other special tapes in the composites field. Single or multiple layer tapes of various specifications (from a minimum 20 µm thickness and

0.8 mm width) are cut at speeds of up to 300 m/min and rewound as parallel bobbins, delivering ideal quality, bobbin shape and size. With their joint inline slitting and rewinding systems, MÜLLER and SAHM enjoy technological and market leadership in a number of fields. These systems can be used not only for standard installations but also as customized special-use solutions to meet new challenges in a continuously growing market segment.



The excitement is growing: Experience the new 460XE Series live at the ICE Europe in Munich, Germany

11 - 13 MARCH 2025







## techtextil

In 2024, we once again exhibited at techtextil in Frankfurt, Germany, together with our sister company STC Spinnzwirn. At our shared booth at the trade fair, the focus was on two innovative winding machines, each of which sets the standard in its respective areas of application.

Our TWINSTAR II, the global industry standard for high-performance fibers, continued to find favor with its newly introduced option "Flexible Traverse". This enables individual adjustment of winding width, package shape, package positioning and yarn reserve. The result: maximum precision and versatility for an exceedingly wide range of materials and applications – and real added value for our customers.

The SAHM 780XE, on the other hand, displayed its strengths in the monofilament field. With its automatic optimization of the laying stroke during the winding cycle, fast product changes and no-waste bobbin changes, it was a real crowd pleaser. Indeed, visitors at the booth were all in agreement: This is a machine that meets the highest standards in efficiency and user friendliness.



In addition to these machine innovations, we also presented the new SAHM Service Platform with its integrated ticket system. This digital tool facilitates fast and efficient processing of customer service queries. It was very positively received by SAHM customers and other industry visitors.

The successful techtextil presentation was rounded off with freshly prepared Italian delicacies, which the catering team served with pleasing attention to detail, making for a very inviting atmosphere at the booth.

With these solutions, SAHM continues to set standards for both innovation and adaptability, impressively underlining our leading role in winding technology.





The shared booth with its open design facilitated relaxed exchange with customers and visitors as well as an information-rich presentation of products.

## techtextil NORTH AMERICA

At techtextil in Raleigh, NC, USA, the new TWINSTAR II with Flexible Traverse and the SAHM 780XE for monofilaments were also the focus of discussions.

We were once again supported by the dedicated team of our colleagues from American Starlinger-Sahm, who expertise made a major contribution to the success of our presentation at the fair. The booth team (from left to right):
Oliver Eichenberg (SAHM)
with Mark Easley,
Michelle Diaz and Jeff Cornell
(American Starlinger-Sahm).







Safety and protective clothing, helmets, industrial and sporting ropes, fire retardant applications, automotive components, etc.





### **Oliver Eichenberg** Head of Sales Tel. +49 5651 804-230

## Mr. Eichenberg, what machine solutions does SAHM offer for customers who are interested in coating and winding yarns?

**OEI** At SAHM, we have two proven machine models for customers who are operating coating systems – the LinStar and the TWINSTAR II. Both machines are specially designed to wind coated yarns efficiently and precisely. With their electronically controlled yarn guidance and an

impressive reliability rate of over 99% during changeover processes, these machines ensure optimum winding quality and also make a great contribution to the overall efficiency in the production chain.

## And SAHM has even more to offer in its portfolio, is that

**OEI** Yes, for customers who are looking for a compact, all-inone solution that combines both coating and winding in a single machine, we recommend the YarnStar 3+. This machine combines both processes – saving space without compromises in quality or speed. This makes the YarnStar 3+ especially well-suited for production environments where space and efficiency are central concerns.

### And "3+" stands for ...?

OEI The "3" stands for the minute, and the TWINSTAR can three steps: coating, cooling and winding – with the highest precision. And the "+" stands for an additional automated doffing process with tube and bobbin

### Yes, that makes sense. Let's talk more about LinStar and TWINSTAR II. What role do these two machines play in machines an ideal choice for the field of PVC-coated yarns?

**OEI** In recent years we have brought several thousand LinStar and TWINSTAR winding machines into successful operation for customers around the world. Both of these machines are recognized as leading technology and are attracting interest in a growing range of industries. The LinStar reaches a processing

speed of up to 600 meters per go as high as 1,500 meters per minute. Both can be equipped with individually driven pull rollers as well as external quality monitoring equipment. In addition to this, we also offer a solution for complete automation for use with these winders for an even higher level of efficiency. These features make either of these modern coating processes.

### What do you think is behind SAHM's growing success in the coating segment?

**OEI** We put a big emphasis on flexibility and customized solutions. Our teams for development, sales and service all work closely together with each customer to find the best way to

## **SOLUTIONS FOR THE COATING INDUSTRY**

Weather-resistant outdoor textiles such as sunshades, awnings, tents, garden furniture and cushions; home textiles such as upholstery fabrics, wall coverings and carpets





No-waste automatic bobbin changeover as per selectable criteria



Parking position for continuous winding and convenient bobbin handling



Flexible Traverse with linear drive: Providing full adjustability for traverse length, bobbin shape, bobbin positioning and yarn reserve



Adjustable yarn reserve with minimum



Ready for automation and advanced data communication via OPC UA



TO THE BROCHURE



fulfill individual requirements. For example, this can include conducting winding tests with specific materials customers want to use for their production. And if it's helpful we will even make a demonstration machine available to a customer directly in their production environment. The results are convincing for customers and this helps to develop trust.

### What is your long-term goal in the coating market?

**OEI** We want to build on our extensive experience with both coating processes and winding machines and establish SAHM as the industry standard for coating processes – just as we have been able to do in other sectors. The combination of precision, flexibility and automation options not only impresses existing customers but is also attracting more and more interest from new customers. We look forward to continuing to build on this success and to developing new technologies for our customers.

#### Thank you for this interview, Mr. Eichenberg.









Parking position for continuous winding and convenient bobbin handling



Yarn caught and cut at the rear of the bobbin



Adjustable yarn reserve with minimum varn end



Ready for automation and advanced data communication via OPC UA



New option of Flexible Traverse system



## THE ALL-IN-ONE **SOLUTION**





YarnStar 3+

Coating - Cooling - Winding+Automation











An important learning point: Joint-friendly lifting and carrying

Healthy times 2: Exercise and vitamins on the smoothie bike

## FIRST SAHM HEALTH DAY

On September 25, 2024, SAHM held its first company Health Day – an event organized by Safety Specialist Michael Heeren and Development Assistant Tanja Scholl. The focus was on employee health and well-being. Exciting presentations on topics such as back fitness, nutrition, vitality checks, eye training as well as resilience and stress management made for an interesting and varied program. Especially popular were the "walking with glasses at 0.13% blood alcohol level obstacle course" and a smoothie bicycle that let participants pedal their way to their own vitamin kick. All in all, a very successful day that not only provided new impetus for employee health but also gave a boost to team spirit!



# HONORING SAHM'S CIVIC ENGAGEMENT

On September 23, 2023, SAHM was presented with the prestigious Employer Award by Hessian Minister President Boris Rhein and Interior Minister Peter Beuth. The award is in recognition of the company's special commitment to supporting its employees in their volunteer disaster relief work.

Michael Heeren, Team Leader for Software Development and himself an active volunteer firefighter, had nominated SAHM for the award. "

Thanks to the support we receive from SAHM, it's possible for us to really devote ourselves to our volunteer work. The company gives us the necessary time for fire brigade operations and for training,

savs Heeren.

In addition to giving time off for emergency deployments, SAHM also makes the company grounds available for exercises. This cooperation not only pro-

SAHM Plant Director Ronny Klein accepts the award from Interior Minister Peter Beuth on behalf of the company.

motes general team spirit, but also improves the company's safety standards.

The award highlights SAHM's function as a role model – promoting civic engagement that benefits both employees and the community. A practical expression of social responsibility and cooperation!





In 2020, SAHM donated 22,000 sandbags to the Werra-Meißner district, which can be used in emergencies to protect against flooding during extreme weather events.

That this support was vitally necessary unfortunately become clear at Christmas 2023. After days of heavy rainfall, the level of the Werra River rose dangerously high and threatened to flood surrounding areas. Thanks to the tireless efforts of many volunteers, sandbags were used to erect barriers in good time and prevent the worst flooding effects. The donated sandbags

## SANDBAGS VS FLOOD WATERS

came from our parent company Starlinger. SAHM has been part of the Starlinger Group since 2002. We are proud to have been able to contribute to flood protection with our resources — and would like to thank all those lent a hand on site to help protect our region.

Only possible when we work together: Filling, transport and stacking of protective sandbags. SAHM employees (left to right): Marvin Simon, Jannik Lange, Tom Thiel, Sascha Möbs, Maren Weisshaar.





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## SAHM OCCUPATIONAL SAFETY & HEALTH MANAGEMENT



Heeren has many roles at search & Development detronics Team Leader. He is also an active member of the Works Council and as a pational safety and health management at SAHM.

### Mr. Heeren, SAHM has recently held its first company Health Day. What was the aim of this event?

MHE With the Health Day, we wanted to focus on the wellbeing of our employees. The event included workshops and presentations on topics like healthy nutrition, stress management and ergonomics in the workplace. It was very positively received. So we would like to integrate the Health Day as a regular part of our health management at the company to raise awareness of health issues on an ongoing basis.

repeat it if necessary.

### That sounds good. But there is only one Health Day every two years. Is that enough?

MHE It's a start and not our only

measure. For ongoing training we are using an occupational safety software program called sam©. This is a central tool for our health and safety management. Its centerpiece is an online training portal that lets employees access training courses flexibly from any location. sam© provides a user-friendly platform that covers topics like occupational safety, workplace hazards and ergonomic workplace design. Specific training courses on topics like hazardous substances or first aid can also be provided via this platform. This lets each employee work through the material at their own pace and

How do you use the training software to ensure transpar-

## ency regarding progress and individual results?

MHE One of sam@'s major benefits is the automatic documentation it provides about who has participated in which training and their progress with the content. This lets us be sure **A well-rounded approach to** that all employees are up to date and also that the legal requirements are being complied with. This saves us a huge amount of administrative work and makes the training process more transparent and effective for everyone involved.

## Will everything be managed over this system in the future then – is that enough?

MHE No, then we would be missing personal contact. For this, we have a company doctor who visits us once per quarter to conduct specific examinations. Depending on their job function, employees get information

about health risks and how to identify them. These regular in-person appointments supplement the digital support by dealing with employees' needs individually and practically.

employee health! Thank you very much for the interview and this information.



Michael Heeren Research & Development Teamleader Electronics Tel. +49 5651 804-305

Once again at the beginning of July, "Johannisfest" – Eschwege's most important festival of the year - took place. Traditionally, local Eschwege companies celebrate together in the was there with nearly 200 employees. It was a great day full of team spirit and good fun, which showed once again: We enjoy both working together and partying together!

SAHM

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