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GUTMANN



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Save precious time now!



GUTNEWS

EDITION 02/2020

tuulo Upgrade

We show you two new must-have functions! Invaluable in the office and the stock room – tuulo makes your job easier!

From page **04**

Customer stories

Two traditional window and facade constructors, two stories. Discover their recipe for success - and what part GUTMANN has to play.

From page **10**

Insight into a highly specialized product field

An interview with GARTNER EXTRUSION GmbH about the use of high-quality aluminum profiles in the automotive industry.

From page **26**

WHAT'S NEW?

EDITORIAL

- 03 **Foreword by Mr. Arnd Brinkmann**
A look back on a challenging year and a vote of thanks to all our customers, business partners and employees

TUULO

- 04 **Window sill configurator**
Only a few easy steps to find your ideal product – including the appropriate accessories
- 05 **Scan function**
Ordering without all the paperwork – check your stock and re-order missing items quickly and easily with your smartphone or tablet
- 06 **Making-of – a look behind the scenes**
- 07 **tuulo field test – two interviews**

CUSTOMER STORIES

- 10 **Max Wehrle Fensterbau GmbH**
- 12 **Georg Schmiedle Fenster und Fassadenbau GmbH**

PROPERTY REPORTS

- 14 **Johann-Jacobs-Haus in Bremen**
Architectural bronze windows in the new headquarters of a global coffee brand
- 18 **Bergwelt Kandel in Black Forest nature reserve “Südschwarzwald”**
Panoramic views with floor-to-ceiling glass facades

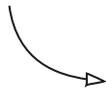
WOOD-ALUMINIUM SYSTEMS

- 22 **Multiple benefits**
- 24 **Building with sustainable materials**

GUTMANN GROUP

- 26 **A look at a highly specialized product field**
Interview with GARTNER EXTRUSION GmbH about the use of high-quality aluminium profiles in the automotive industry
- 28 **SMART FRAMES website relaunch**
SMART FRAMES – a GUTMANN Group brand – and its additional content are presented on the new website

News, stories, property reports and much more, exclusively for our customers and partners



14



05

tuulo



20



Dear customers, Dear business partners,

It is only a few weeks until the end of 2020, but even after New Year's Day the year will only be "history" in terms of the calendar. The effects of everything that happened between the months of February and November can still be felt – and are likely to last well into the New Year and beyond. In January, nobody could have imagined that events would take such a dramatic turn.

We were then all rapidly involved in an intensive phase where almost everything changed completely – business processes, production planning and processes, logistics and services. We also had to quickly rethink how our company communicates with the market, due to the enforced cancellation of the pivotal trade fair "Fensterbau / Frontale". We made the necessary changes to our internal organisation at an early stage, and the way we communicate with you, as our customers and business partners, was adapted accordingly.

Naturally, our top priority is and always has been to protect everyone's health and eliminate any possible risks. This policy remains strictly and unreservedly in force, particularly in view of the current upturn in coronavirus cases. That said, it is and was always our policy to ensure production and delivery continuity. We can be thankful that the building industry, unlike other sectors, has come through the first phase of the pandemic relatively unscathed. This also applies to our company and, we hope, to all of you as our business partners.

Thanks to the high vertical integration of our production, we are extremely well positioned and can operate independently in a wide variety of fields. We smelt, extrude, process, anodize and coat at three autonomous locations in Germany. We reacted quickly to ensure a steady supply of aluminium by raising quotas and increasing warehouse stocks. In some cases, we have purchased three times the quantity of raw material and semi-finished products sourced from external suppliers that we actually need. In addition, we have implemented all the hygiene measures necessary to ensure the safety of employees, and we have adapted our visitor and meeting policies to the special circumstances. We have put emergency plans in place to ensure that our operational business will continue even under the most adverse conditions.

So please let me take this opportunity to express my particular gratitude...



...to you, our customers and business partners, who continue to support us constructively during the pandemic, who assure us that you understand why so many restrictions are in place, and show patience when process take longer than usual – for reasons beyond our control;



... to all our employees, wherever they are in the company, who have met the challenge posed by the pandemic with the utmost commitment and maximum flexibility in order to overcome all difficulties – day in, day out!

In view of such positive behaviour and attitude, I am optimistic that we will continue to face the crisis with courage and determination. It is clear that the numerous restrictions, the uncertainty about what comes next and the consequences of the coronavirus pandemic will remain with us until a vaccine is universally available to overcome it. On the other hand, events since the month of March have proved that our measures are effective. We have achieved a lot together and had plenty of joint successes in 2020 – a solid basis for the year 2021, which is unlikely to be easy. As we are now approaching Christmas and the New Year, my heartfelt wish is that we may all have the confidence and positivity we need to meet the challenges facing us.

I would like to add a very personal wish of my own for each of you and your families: good health!

*Kind regards
Arnd Brinkmann*

Managing Director
GUTMANN Bausysteme



IMPRINT

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ABOUT GUTMANN

The globally active GUTMANN Group is one of the world's leading manufacturers of high-quality aluminium products for the construction and processing industries. The group consists of GUTMANN Bausysteme GmbH (building systems), GUTMANN AG with its subsidiaries GUTMANN Aluminium Draht GmbH (drawn aluminium wire), GARTNER EXTRUSION GmbH and NORDALU GmbH (extruded profiles and other specialist aluminium products). The companies of the GUTMANN Group employ around 1,300 people at three production sites in Germany and generate an annual turnover of approx. 340 million euros. The headquarters of the company, which was founded in 1937, is in Weißenburg in Bavaria.

COMING SOON

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INVALUABLE IN THE OFFICE

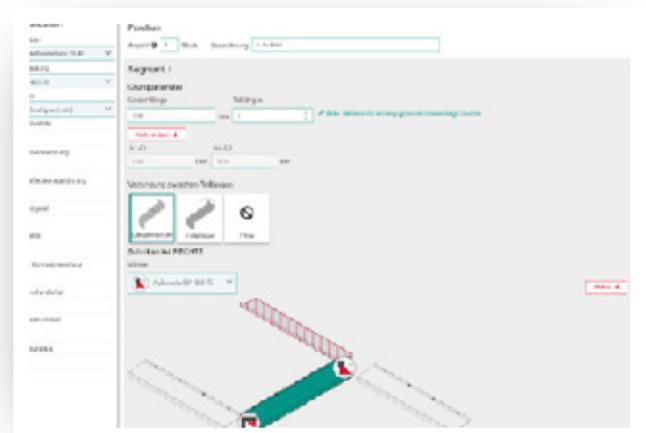
"The appropriate accessories are displayed when you configure a window sill. That's really practical."

tuulo window sill configurator

In the past, configuring window sills was a time-consuming process, but all that is history: now you can perform the task easily on your computer or tablet browser with the new tuulo Window Sill Configurator. The benefits for the user: quotations and direct orders can now be created much faster and more conveniently.

The configuration process consists of simple steps. First, users can choose between 2 systems and 24 projection depths. Then they design the surface, using a combination of more than 1,000 colours, textures and gloss levels. In the next step, they can define as many as 18 partial lengths – up to 54 linear metres including interior and exterior corners. The appropriate accessories are also displayed immediately.

Finally, users have a choice of three assembly levels: Standard, Comfort or Premium. Parts are delivered sorted and pre-packed or prefabricated by item, depending on article type, with the loosely packaged window sill accessories included in the delivery. With the Premium version, accessories are even delivered pre-assembled, wherever technically possible. Window fabricators on site no longer have to waste time searching for components or assembling windows, so the Window Sill Configurator really saves time outside the office, too.





INVALUABLE IN THE STOCKROOM

"The scan function means I can reorder without paperwork. And save precious time."

Ordering without paperwork

Tuulo's new scan function is another step towards the digitalisation of business processes which will delight specialist traders and processors alike. Now users with a tablet or smartphone can quickly check their inventory in stock and reorder missing articles directly via their browser. The scan function means that data no longer need to be recorded manually, saving valuable working time and

eliminating common error sources, such as the accidental entry of the wrong data. The article is simply placed in the user's shopping cart after scanning. All that remains to be done is to enter the quantity and transmit the order. Incidentally, a video on tuulo.de shows the extremely fast, highly practical system in use in a stockroom.

Four good reasons to use tuulo



	More comfortable than ever
	More intelligent than ever
	Easier than ever
	Faster than ever

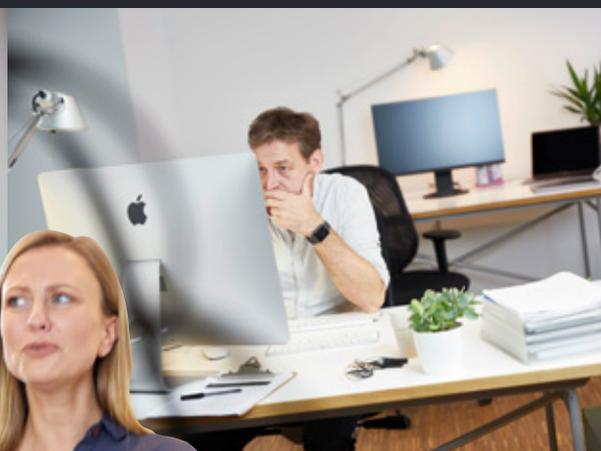


How the tuulo videos were made

The new videos for tuulo are ready at last – although they took several months to plan and shoot. The procedure was very similar to a feature film. In May 2020 we put together two scripts with our advertising agency. The idea was to let an office manager and a warehouse manager tell the story of the window sill configurator and the scan function, so first we needed a casting and a suitable

location. Then we shot the film in Siegen on two pretty exhausting days in July. Although they were tired, the whole team was in great spirits. A stylist, a cameraman, filming assistant and two lighting technicians made sure that the two actresses looked their best. When shooting was over, the film was edited and the soundtrack added. And we are delighted with the result.

A huge "thank you" to all concerned!



tuulo field test – an interview with Nüßing

Burkhard Ernst (Head of Purchasing) and Björn Gohl (Purchasing Administrator) from Nüßing GmbH give us their interesting first impressions of the tuulo portal and the digital ordering process from a customer's point of view.

Everybody is talking about digitalisation, which has also received a lot more attention in the construction and construction supply industry recently. What is your view?

Mr. Ernst: We realised very quickly that the benefits of digitalisation outweigh the risks. Not just for us, but also for our customers, so we have decided to consistently pursue this course.

When it comes to GUTMANN building fittings and the corresponding range of accessories, you put your trust in tuulo from GUTMANN. Was there a particular reason for your choice?

Mr. Ernst: Yes, that's right. We have worked together successfully with GUTMANN Bausysteme GmbH for many years, so we were especially pleased to hear that GUTMANN was introducing tuulo.

Do you use tuulo as an integral part of your own software environment or as a platform solution?

Mr. Ernst: The implementation of tuulo will be completed shortly. By linking it to our ERP system, we will achieve even greater benefits in comparison with the current processes.

How much effort do you think you and your IT experts had to invest in order to implement tuulo?

Mr. Gohl: Surprisingly little. The introduction to the program itself was actually not very long or complicated either.

What do you use tuulo for today?

Mr. Gohl: As a portal for information and ordering. I can now use tuulo to create the special orders that I used to send by e-mail. tuulo also provides a good basis for calculating prices for customers without having to work through a lot of price lists.

So not much has changed since you started using tuulo?

Mr. Gohl: On the contrary, tuulo has made us much faster and more efficient. Take the subject of availability, for example. As soon as I register an enquiry I can see if a particular article is available, so I can take positive action immediately rather than simply reacting later. So ultimately, we not only work faster, but the error rate has also fallen significantly.

And how do you measure that?

Mr. Gohl: There are far fewer complaints, price disputes and returns. We can give our customers much clearer statements.

So that gives you a real competitive advantage?

Mr. Ernst: I obviously don't have details of the situation in other companies, but I have a very positive impression and cannot imagine reserving our decision again. tuulo has quickly become a firm fixture in our work environment, and acceptance for it is high.

Is there anything you would like to change about tuulo, or add to it?

Mr. Ernst: At the moment, tuulo looks pretty complete to us.

Thank you for your time!

Mr. Burkhard Ernst

Mr. Björn Gohl

Nüßing
... mehr als Beschläge

A family company with tradition

Since our foundation in 1970, our business as a specialist wholesaler has expanded to cover the whole of Germany. Our trade customers from industry and the craft sector put their trust in our high-quality technology for windows, doors and furniture, as well as tools.

Carola Nüßing
Managing Director





tuulo field test – an interview with Ammon

Konrad Fritz is a management board member at fittings manufacturer Ammon Beschläge-Handels GmbH. He sees digitalisation as a positive necessity. His company, from Nuremberg in Franconia, is already using tuulo successfully.

Everybody is talking about digitalisation, which has also received a lot more attention in the construction and construction supply industry recently. What is your view?

Mr. Fritz: Digitalisation makes our work easier. Complex processes suddenly become simple, and these new possibilities enable us to become more productive and our customers to build significantly faster. After all, everything has to be done to a tight schedule on a building site.

When it comes to GUTMANN building fittings and the corresponding range of accessories, you put your trust in tuulo from GUTMANN. Was there a particular reason for your choice?

Mr. Fritz: Yes, because it enables us to significantly improve our processes.

Do you use tuulo as an integral part of your own software environment or as a platform solution?

Mr. Fritz: We are in the process of integrating tuulo into our customer online shop. The aim is to offer our customers the platform with all its benefits and advantages.

How much effort do you think you and your IT experts had to invest in order to implement tuulo?

Mr. Fritz: Only a limited amount. My impression is that GUTMANN did a really good job when they prepared and supervised the integration processes. The introduction to the program is easy to understand, and most of the program is intuitive and self-explanatory. The changeover was easy and did not affect our day-to-day routine.

What do you use tuulo for today?

Mr. Fritz: As a matter of principle, tuulo makes exchanges with our customers easier. They can check in advance and place orders without help. That way, all requests are active in the system, which was not possible when e-mails were sent back and forth.

What else has changed?

Mr. Fritz: tuulo means increased efficiency and greater speed. We can see available articles in real time as soon as a request is entered. Entries are checked automatically, which prevents mistakes from the very beginning. This gives us a high level of reliability for all subsequent steps.

Is this effect noticeable?

Mr. Fritz: Absolutely. One very clear indicator is the higher level of customer satisfaction. There are hardly any customer complaints and no returned articles, so the effect is measurable.

So that gives you a real competitive advantage?

Mr. Fritz: First tuulo enabled us to optimize and speed up our processes. This, in turn, means we can react faster than the competition. All our employees are completely convinced by this kind of digitalisation.

Is there anything you would like to change about tuulo, or add to it?

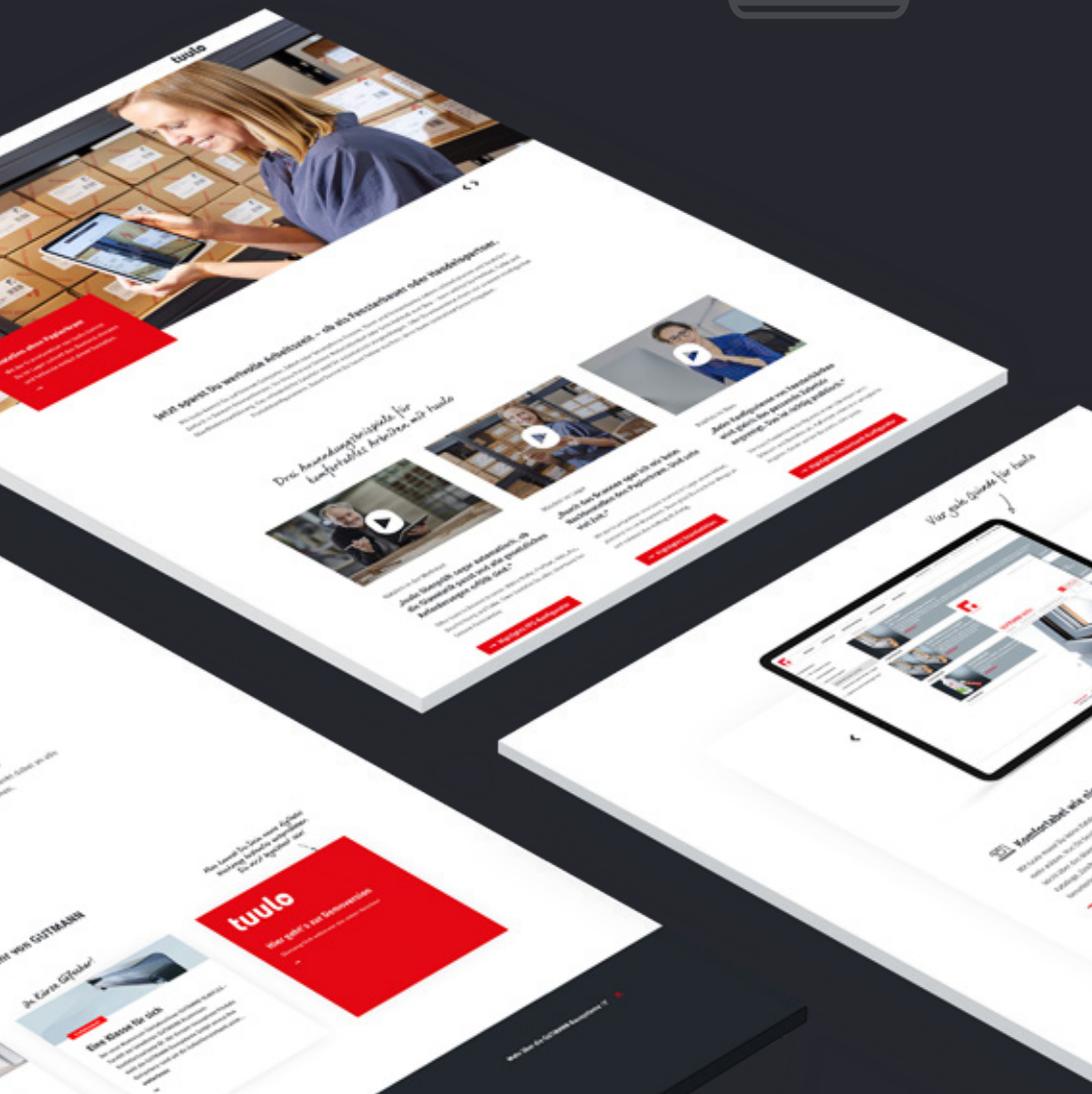
Mr. Fritz: As I see it, tuulo is a success. If any improvements need to be made after tuulo has been in service for a while, I'm confident that GUTMANN will, as always, quickly find good, flexible solutions.

Thank you for your time!



tuulo

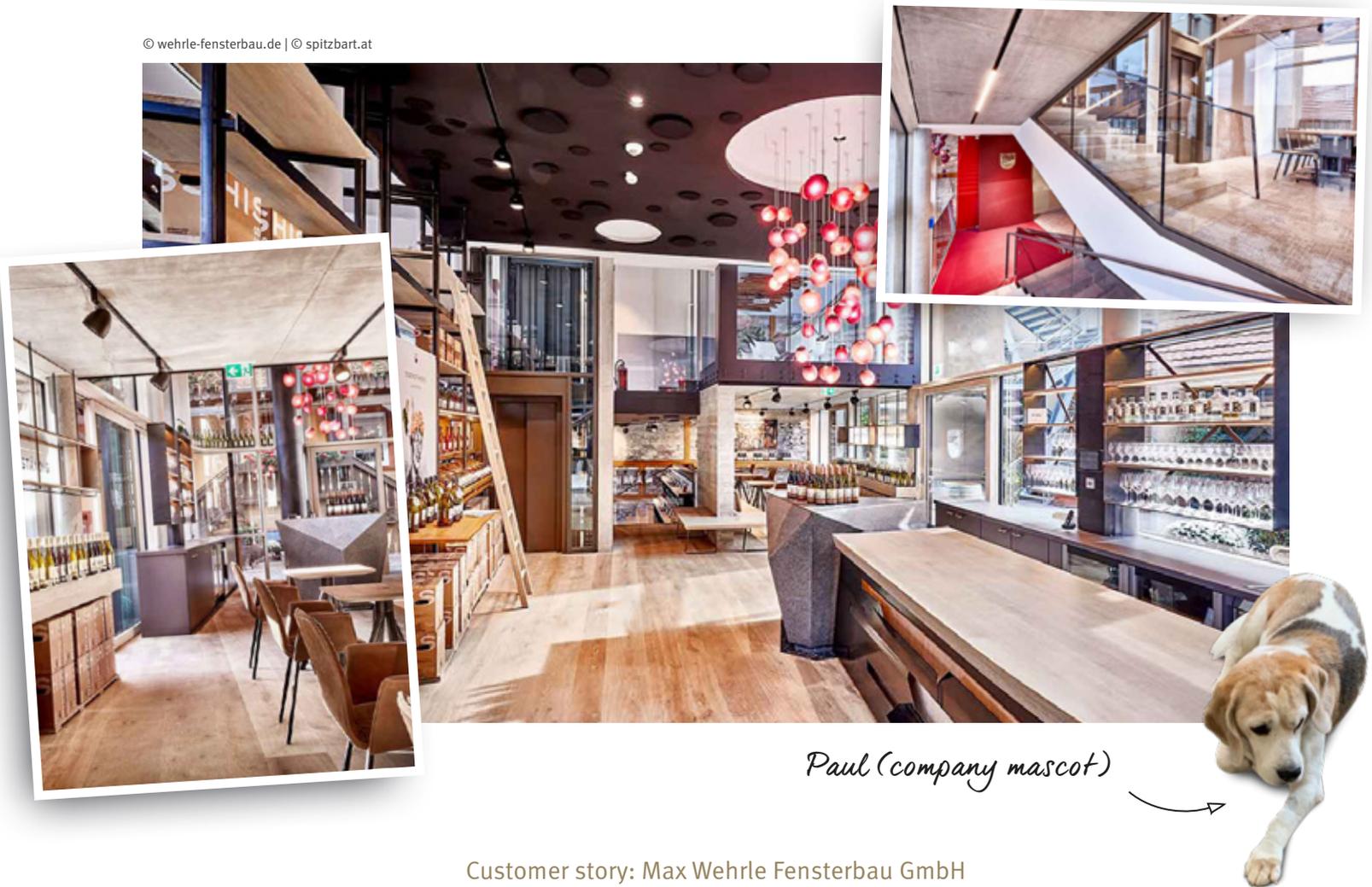
Window constructor or trade partner? Save precious working time now.



Find more information
on the new features at
www.tuulo.de



tuulo



Paul (company mascot)

Customer story: Max Wehrle Fensterbau GmbH

“We are one of GUTMANN’s innovative customers”

Tradition plays a major role at Max Wehrle Fensterbau GmbH, based in Waldkirch near Freiburg in southern Baden – and the history of their cooperation with GUTMANN Bausysteme GmbH goes back more than 30 years.

Quality and expert craftsmanship play just as big a role today as they did when the family firm was founded in 1949. Customers have become increasingly demanding, while requirements in the field of soundproofing, thermal insulation and safety standards have also continued to rise. Production technology has also become more sophisticated over the last few decades. Although the company based in Gewerbestraße in Kollnau, a suburb of Waldkirch, has remained true to its tradition, it has nevertheless continued to move with the times. The result is an invaluable combination of craftsmanship expertise built up over generations with young engineers, fresh ideas and state-of-the-art production processes.

“There’s no such word as can’t”

In their 1,500 m² production area, Wehrle process wood, wood-aluminium and plastic to make windows, doors, mullion and transom constructions for curtain walls and conservatories, fire doors and interior doors. Their hand-built, individual products are made with skilled craftsmanship and in accordance with customer specifications. “We don’t have standard solutions. We make exactly the right windows for each individual house. Our motto is ‘There’s no such word as can’t’”, says the founder’s grandson Maximilian Wehrle, who succeeded his father as head of the company in 2018. All three have the same first name – and also share a common passion for the craft that inspires them.

1963 was a difficult year in the company’s history. After the destruction of the production area in a fire, reconstruction lasted several years. The rebuilding of the company premises was completed in 1969, and the company has continued to grow steadily since then. There are currently 23 employees in the Wehrle team, which includes window makers, master carpenters, master glaziers, craftsmen, business administrators and engineers. The main sales area is the “Rhine Corridor” between Basle and Karlsruhe, so journeys to the customers are relatively short and the company’s own employees can carry out the installation work – an additional way to guarantee consistently high quality and long-term customer satisfaction.

New builds and renovation

Max Wehrle Fensterbau GmbH’s customer base includes building contractors, homeowners and architects with building projects of various sizes. Orders for new builds are just as welcome as commissions for the refurbishment of older properties and listed buildings. As refurbishment and renovation are part of the company’s range of services, all work is done in accordance with the latest statutory requirements for soundproofing, thermal insulation and safety. Wehrle is equally happy with small orders for less than ten windows as it is with projects for large-scale properties.

Despite its flourishing business situation and constant growth, the company has kept its feet firmly on the ground. Max Wehrle says: “We have ascertained the property business continues to grow. We are now frequently creating special solutions for architects and taking on planning work.” This includes, for example, window constructions with enclosed balustrades or windows with floor-to-ceiling ventilation panels. Anti-burglary windows certified to RC3 standard are also among the available “extras”.

CNC technology since 2016

Maximilian Wehrle rose through the proverbial ranks and is now the 3rd generation of the Wehrle family to lead the company. After his apprenticeship as a window constructor/glazier he took an Open University degree in timber construction in Rosenheim and supplemented his theoretical knowledge with various internships. He wrote his Bachelor thesis on adhesive bonding of glass in wooden windows, and studied the subject of windows and curtain walls in greater depth for his subsequent Master’s degree. The timber construction engineer and Master of Engineering is an expert on modern production techniques. The company took a large step on the road to modern manufacturing in 2016 with its investment in a Weinig Conturex processing centre for window construction, thereby converting to future-oriented CNC technology. Productivity rose significantly with this new concept, which also made more space available in the production hall. Another important investment is scheduled for next year, according to the managing director: “We plan to install a new coating plant in 2021.”

30 years of partnership with GUTMANN

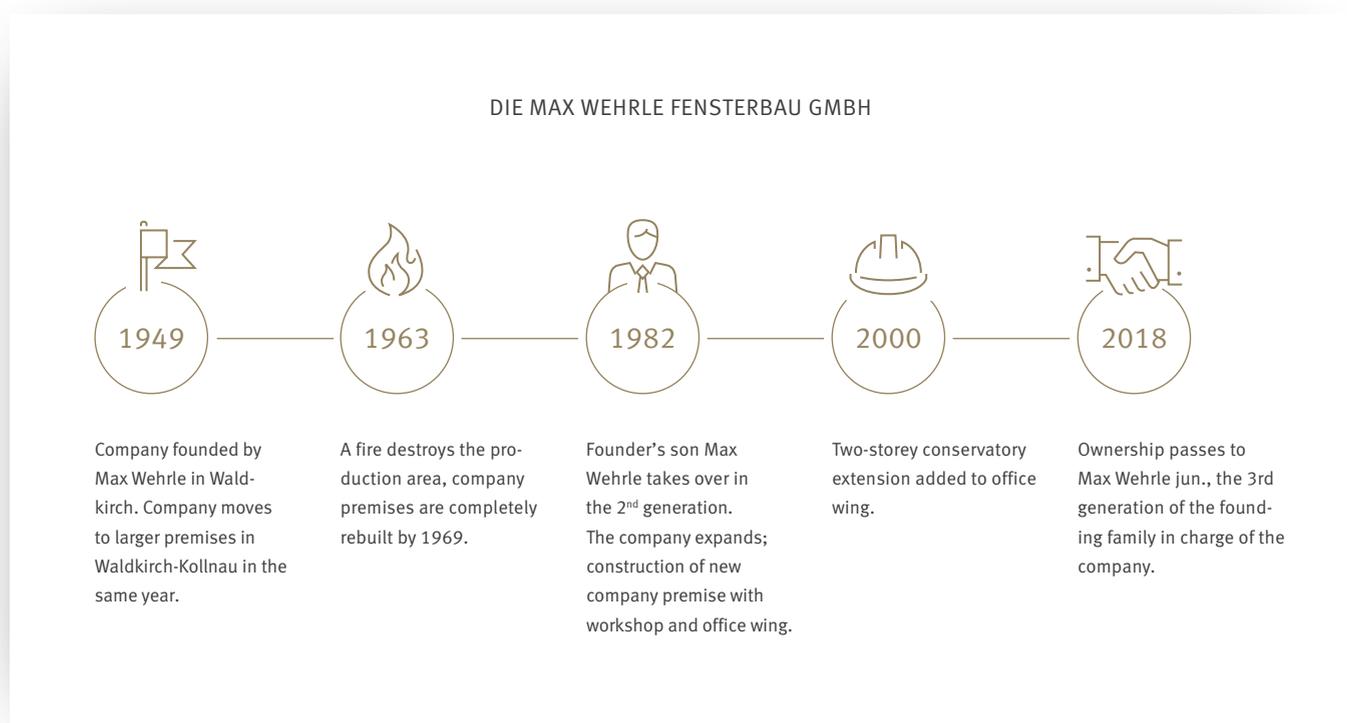
Companies that set themselves high standards of quality and customer satisfaction are also careful in their choice of partners. Max Wehrle has been working window, door and curtain wall specialist GUTMANN Bausysteme GmbH for more than 30 years, and the relationship between the two companies is now described by Max Wehrle as “characterised by friendship and partnership. I think I am justified in saying that we are one of the innovative GUTMANN customers.”

Versatility of wood-aluminium systems

Most of the wood-aluminium systems processed come from the well-known manufacturer in Weißenburg, and include the window and French window systems GUTMANN MIRA, GUTMANN MIRA contour and GUTMANN MIRA contour integral. The wood-aluminium mullion and transom add-on system LARA is also used for glazed elements of curtain wall constructions. The proportion of wood-aluminium windows used by Max Wehrle Fensterbau is very high, namely 50%. The timber construction engineer gives the reason: “Wood-aluminium constructions are weather-resistant and very low-maintenance. Their aesthetics – for example their wide range of colours and profiles - make them extremely versatile.” ●



After completing his apprenticeship as a window constructor/glazier, **Maximilian Wehrle** took an Open University degree in timber construction at Rosenheim and supplemented his theoretical knowledge with various internships. He wrote his Bachelor thesis on adhesive bonding of glass in wooden windows, and studied the subject of windows and curtain walls in greater depth for his subsequent Master’s degree. He is a qualified timber construction engineer and Master of Engineering.



Reference

Installed system MIRA contour. Special features: prize winner in the Baden-Württemberg Chamber of Architects' competition "Exemplary Building" and "Building Culture in the Kraichgau Region".

©Daniel Wieser. Architectural photography, Hildesheim/Karlsruhe



Andreas & Petra Schmiedle



Customer story: Georg Schmiedle Fenster und Fassadenbau GmbH

“A personal bond with our customers is of paramount importance to us.”

The family company celebrated its 125th anniversary last year. Georg Schmiedle Fenster und Fassadenbau GmbH was founded in 1894 and is now run by the 4th generation of the founding family. The husband and wife team employ a total staff of 23 at the company location in Bruchsal in Baden-Württemberg. Most of the family company's business is done in the region, as they want to offer their customers professional advice and support even when a building project is completed. Managing Director Andreas Schmiedle sums it up: “A personal bond with our customers is of paramount importance to us.”

The firm specialises in the construction of upmarket detached houses, focussing strongly on quality and service. The customers benefit from the company's decades of experience and vertical integration. The company restructured its work processes in 2018 and invested in a flow-coat plant to optimise its surface treatment operations. Andreas Schmiedle explains: “This was an essential investment, as architects and building contractors are placing more and more importance on individualised colour schemes”. The Schmiedles realise the importance of being open for innovation and keeping up with the times, which is why they want to continue to increase their expertise in order to remain competitive. They have taken the additional step of expanding their in-house production facilities. A fully automatic processing centre is due to be integrated at the end of the year and go into service at the end of January 2021.

Georg Schmiedle GmbH's product range includes wood-aluminium windows, wooden windows and plastic windows, as well as the realisation of mullion and transom curtain walls, conservatories, street doors and sunblinds. This wide, diverse range enables the company to offer its customers complete solutions, if desired. Having its own installation and service team is an essential factor in assuring the sustainability of the company vision of maintaining close bonds with its customers.

The firm has been working with GUTMANN systems in the field of wood-aluminium windows for many years. Managing Director Andreas Schmiedle sees the advantages of wood-aluminium

systems above all in the combination of two materials. The characteristics of wood create a warm, harmonious atmosphere indoors. In addition, the aluminium shell provides the best possible weatherproofing protection for the outside of the wooden window. The exterior aluminium frame also allows an individual colour scheme to be chosen. Asked how long the company had been working with GUTMANN, Andreas Schmiedle was unable to name the exact year. “Since time immemorial, I can't say when it started”, he said with a grin. It was, above all, the long-term nature of the partnership that made working together so agreeable. “If ever there was a problem, GUTMANN was always willing to help and solution-oriented”, he added.

An exceptional object that was realised jointly is the detached dwelling house “Haus DN” right on the doorstep in Bruchsal. The house, which was designed by the Henecka firm of architects, is notable for its controversial construction. Seen from the road, it makes a very staid, compact impression. However, a little surprise awaits visitors when they go inside. There is a particularly impressive light incidence on the garden side. The façade was realised with an open floor plan and generous areas of glazing, resulting in light-filled rooms and a unique atmosphere. It was these characteristics of the house which convinced the jury last year. For its work on “Haus DN”, the firm of architects won an award for “Exemplary Building” from the Baden-Württemberg Chamber of Architects in 2019, as well as an award in the competition “Building Culture in the Kraichgau Region 2018/2019”.



125 years





Property report: Johann-Jacobs-Haus in Bremen

Architectural bronze windows in the new headquarters of a global coffee brand

In July 2020, the Johann-Jacobs-Haus was opened at Obernstraße 20 in Bremen, the headquarters of Jacobs Kaffee. The new building is characterised by a typical North German facade of Danish brick with large window elements of elegant architectural bronze. The window profiles were supplied by GUTMANN Bausysteme from Weißenburg.

The day for the topping-out ceremony in 2020 was no coincidence. 125 years previously – on 15. January, 1895 – the Bremen merchant Johann Jacobs had opened his “Specialgeschäft für Caffee, Thee, Cacao, Chocoladen and Biscuits” nearby at Domshof 18. His little shop has long since grown to become a global brand. Johann Christian Jacobs, the founder’s great-grandnephew, had the building rebuilt in its original historical style and reinterpreted for its new use. Concept and planning for the new build came from the firm of architects Felgendreher Olf Köchling Architekten GmbH (Berlin), the interior architecture from the Swiss firm Architekturbüro Miller & Maranta. The architectural bronze window elements were made and installed by Brock GmbH & Co. KG (Groß Ippener).

Reduced to the bare essentials

“The new Johann-Jacobs-Haus is an elegant, contemporary Bremen townhouse with references to its various predecessors” is how the architects phrase it in their property description. They call the building “a natural component of the townscape.” Regarding the building concept, the property description also states: “True to the traditional style of Hanseatic merchant’s storehouses, the development and construction of the Johann-Jacobs-Haus were reduced to the bare essentials. Windows with pleasing proportions, generous storey heights and light incidence from three sides permit modern sales areas in the midst of the historic architectural context of the Twenties and the reconstruction.”

The building offers around 1,400 m² of floor space divided between a total of five stories plus roof terrace. In the “Heritage Store”, experienced baristas prepare coffee specialities, a reminder of the original purpose of the shop run by company founder Johann Jacobs which is intended to attract customers. Besides the “Espresso House” and a chocolatier, the new building is also home to the “Jacobs-Akademie”, function rooms and offices.

Three-part harmony in brick, art and bronze

The façade of the new building is characterised by a three-part composition: charcoal-burnt Danish bricks with a variety of colour nuances; sculptures by Worpswede artist Bernd Altenstein and figures that already adorned the old Johann-Jacobs-Haus; and the golden-brown, shimmering architectural bronze window elements. The size and position of the windows ensure a correspondingly high light incidence and transparency inside and through the building. The principal and architects chose architectural bronze from GUTMANN Bausysteme for the profiles. The result: not only does this natural-looking metal create a diversified yet harmonious façade, but it is also a symbol of the special value of the Johann-Jacobs-Haus and its stand-alone character in the context of its urban surroundings.

Style-forming and maintenance-free

Besides its natural range of colours – with variations from copper-red to dark brown and anthracite grey - architectural bronze is renowned for its unique surface texture: if blemished by scratches, grazes or fingerprints, a new patina forms naturally after only a few months’ exposure to the weather. The mainly lighter-coloured blemishes merge back into the darker metallic-brown basic colour and are no longer visible. This characteristic means that architectural bronze is basically maintenance-free and impervious to the negative influences of the weather and the environment. Apart from its visual qualities, it was precisely these characteristics which spoke in favour of using this material in the busy surroundings of Bremen’s Old City.



Over 3,200 metres of architectural bronze profiles

The manufacture and installation of the window elements was a challenge which Brock GmbH & Co. KG was able to meet with the collaboration of GUTMANN’s experts – to the satisfaction of all concerned. Metalwork processing in the workshop started in July 2019 and was finished at the construction site in March 2020. The building contractors and architects were particularly keen to have a fundamental window element concept which assured a harmonious exterior – which was realised through the uniform surface texture of the architectural bronze elements and the regularity of the visible width of the profiles. The Metallbau Brock GmbH team had to plan meticulously for a number of reasons – for instance to guarantee the static integrity of the transom profiles of the extra-large arched windows on the ground floor. All calculations and execution details were closely coordinated with the experts at GUTMANN. Bending the architectural bronze profiles for these windows also required high precision and extra care, as it was necessary to work with a special cover strip.

Modified curtain wall solution with architectural bronze

The Johann-Jacobs-Haus was fitted with a modified version of the GUTMANN aluminium curtain wall system F60, using architectural bronze profiles instead of aluminium. Aluminium was used – as in the standard F60 version – for the interior, whereas the exterior clamping and cover strips were made from architectural bronze. The outstanding features of this system are its simple, uncomplicated notch-free construction and rapid assembly. The construction offers additional advantages: market-standard steel tubes can be inserted for static reinforcement, and transom/transom system reduces scrap during production. This meant that Brock GmbH & Co. KG was able to find a simple solution for the challenges posed by the need for transom stability in the extra-large arched façade elements without increasing the interior building depth of the profiles. This meant that the connections to the structure could be realised in accordance with the architects’ specifications without having an effect on the local connection situations.

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Felgendreher Olfs Köchling Architekten GmbH



Felgendreher Olfs Köchling is a young firm of architects based in Berlin. The firm was founded in 2015 by Christian Felgendreher, Johannes Olfs and Christina Köchling, who carry out construction projects for private and public clients in Switzerland and Germany. A business property in Bremen and a school in Azmoos, Switzerland were completed in summer 2020. Manufacturing premises in Bülach and in Uri, Switzerland are currently in progress or in the planning stage. The firm's projects are designed to harmonise with the building culture of their surroundings, are built with typical, simple yet high-quality materials, and take their vitality from a specific spatial orientation. Although the buildings relate to the historical context of their immediate surroundings, they are contemporary in their expression and construction methods. Their typological characteristics form a highly detailed narrative created with craftsmanship.



© Felgendreher Olfs Köchling Architekten GmbH

Digitalised templates

GUTMANN also supported the Metallbau Brock team with comprehensive advice about the qualities and practical use of architectural bronze. The system supplier from Weißenburg also provided concrete assistance by manufacturing a pressing tool for the special architectural bronze cover strip. In all, 600 m were required for the arched window elements of the Johann-Jacobs-Haus. The unique shape of these special profiles meant that they could not be formed along with the other arch profiles. After the arches had been installed, some individual templates were removed on site and digitalised to ensure that the profiles and cover strips were perfectly matched. The cover strip was then formed in accordance with the digitalised data. The arches were laid against the template to check them and carry out adjustments where necessary. The cover strip then had to be adjusted or cut to size on site to fit the arch.

Architectural bronze plates and edgings

In addition, around 1,500 m of architectural bronze basic profiles and approx. 1,200 m of architectural bronze cladding profiles with accessories were installed. As using 6-metre bars would entail a large quantity of scrap, Metallbau Brock decided to use 22 different individual cut lengths which GUTMANN delivered as a customised order. This resulted in a considerable reduction of purchasing and processing costs for the expensive architectural bronze raw material. The delivery package for the Johann-Jacobs-Haus also included ten architectural bronze metal plates burnished on one side and 88 architectural bronze sheet metal flashings. These were used as "planking" for the window profiles, infills for soffit revetments, window sills and to make the letters for the company logo. The windows of the Johann-Jacobs-Haus were fitted with fall-prevention glazing in accordance with DIN 18008-4, and different glass thicknesses were used in the various storeys: duplex white glass (lam-

inated safety glass) VSG 12/VSG 16 was used on the ground floor and basement level, VSG 10/VSG 10 on the 1st floor and thickness VSG 8/VSG on the 2nd to 4th floors. Templates for the arch window glazing were prepared in the same way as they were for the special cover strips, so even the finest tolerances in the arches could be taken into account. The templates were then digitalised before the glass was ordered, so there was an accurate database with the correct dimensions.

Tight spaces – complex logistics

Due to the complex situation on site and the almost total lack of available storage space, the window elements were manufactured in segments of the largest possible size at Metallbau Brock's workshop in order to keep the number of journeys required to a minimum. Deliveries had to be coordinated with the local site manager in advance to avoid bottlenecks. Materials had to be delivered "just in time" and transported to their installation point by hand or by crane immediately. In some cases, it was only possible to deliver the amount of material that could actually be installed on the day in question. The high weight (up to approx. 900 kg) of the large model glasses in the first floor and basement level windows was a particular challenge. The restricted space on site prevented the use of a normal mobile or construction crane, so a special mini-crane with caterpillar tracks had to be used to negotiate the rough and, in parts, steeply sloping terrain. Between four and six specialist staff and, at times, a site manager from Brock GmbH & Co. KG were on site to carry out the installation work. ●



THE JACOBS COFFEE BRAND



Opening

Bremen merchant Johann Jacobs opened his first coffee business at Domshof 18 in Bremen on 15. January 1895.



Anniversary

The company is celebrating the 125th anniversary of his Jacobs brand in 2020.



Export

Jacobs is now represented in more than 30 countries worldwide – for example Australia, South Africa, Russia, Namibia or Mexico.



Employees

Around 50 employees are waiting to welcome you again to the company's headquarters in Bremen. Jacobs employs a total of 600 people in the beautiful Hanseatic city.



Rainer Rehfeld
Photography



Camera and tripod have been Rainer Rehfeld's companions for a long time. The fascination of photography and the chance of capturing an interesting or exciting moment often entice him to explore the great outdoors.

In 1985, he qualified as a stone sculptor in Stuttgart, which was ideal training for spatial thinking and visionary abstract perception. In the years that followed, he worked for various institutions; among others, in the area of props and stage sets for the Cologne Opera and the Academy of Media Arts. In 1995, Rehfeld started work as an assistant to a renowned architecture photographer, where he learned the professional approach of a large-format photographer. This type of photography has had a lasting effect on his own style.

“The picture is a model of reality.”

Ludwig Wittgenstein





Bergwelt Kandell in the nature reserve Südschwarzwald

The mountain resort “Bergwelt Kandell” is under construction. The site is 1,241 m above sea level in the beautiful nature reserve Südschwarzwald in the southern Black Forest in Germany. The lofty position of the Kandell offers stunning views of the Black Forest, the Vosges and the Swiss Alps. As the name implies, there is a stunning 360° view from the Panorama Terrace, which is also an ideal spot for watching paragliders take off from their nearby launching pad.



Foyer



Reopening
Spring 2021

Mountain Restaurant
"Berggaststätte"



Suite

Read the report about this major building project on the double spread overleaf...

© vra.at / Michael Jenewein



View the interior:

Property report: Bergwelt Kandel

Panoramic view of the Black Forest through ground-to-roof glass curtain walls

What more could a hotel investor and building contractor wish for than firm bookings from the opening day? Ulrich Reichenbach (Glottertal) and the project team responsible for “Bergwelt Kandel” are delighted about the reservations which have already been made. Some are already for New Year’s Eve 2023, although the new build hotel complex will not be completed until spring 2021. Its unique location at the top of the Kandel mountain (1,241 m) and its distinctive timber architecture ensure that guests will have a wonderful stay in the heart of nature. The stunning views of the surrounding Black Forest are guaranteed by the LARA GF glass curtain wall from GUTMANN Bausysteme GmbH.

After standing empty for some time, the old Kandel Hotel (except the basement) was pulled down in 2019 and construction of the new building began immediately on the same spot. Planning had started some time before, however. Ulrich Reichenbach, managing director of Kandel Bergwelt GmbH, acting as building contractor, and project manager Michael Gschwander had been working on this construction project since 2016 with partners. According to local print media, around five million euros have been invested in the project.

The complex includes a mountain restaurant with beer garden, a number of guest rooms, holiday flats and a function room for up to 200 people. The Nature Reserve Südschwarzwald is a popular destination for touring, cycling or walking holidays that has been booming in the few months since the start of the pandemic. Consequently, the forecast for the Bergwelt Kandel complex is justifiably optimistic, since the new build will relieve an existing service deficit for the guests.



Timber and glass curtain wall with panoramic views

Ulrich Reichenbach was absolutely committed to having a building whose architecture fitted in with its rural surroundings. He had already viewed a number of projects, including buildings in Tyrol and Vorarlberg – which is how he made contact with architect Michael Jenewein (Pflach, Austria), who was ultimately commissioned to do the planning. Their joint decision was to create a timber façade made from native silver fir and combined with large glazed areas on the gable ends facing the valley. This decision met with universal approval in the region and beyond. The building project also received a grant from the European Regional Development Fund (ERDF) and – as a reference timber building – from the State of Baden-Württemberg.

Easy, safe installation

The complex was built by Fluck Holzbau GmbH from Blumberg-Riedböhringen, and various partners. In order to provide daytime visitors and overnight guests at the Bergwelt Kandel with the best possible experience of their impressive natural surroundings, the gables on the west side were fitted with glass curtain walls extending from ground level to the apex of the roof. Gutmann Bausysteme (Weißenburg) supplied the LARA GF mullion and transom glazing system used. Jens Preisig, assistant to the Project Manager at Fluck Holzbau, says: “We decided on this system for a number of reasons. The building is exposed to the elements, so we had to have a system which can also stand up to extreme wind and weather conditions in terms of its static robustness. The partner who is installing the glass curtain wall for us was already familiar with LARA GF from other construction projects, so we were assured of fast, cost-effective installation. It was also important for us to work with a German supplier who would be able to respond quickly if any questions arose.”

Windproof

A total of 300 m² of LARA GF glass curtain wall were installed. The base profiles were screwed to the mullions and transoms. The 80 mm face widths of the profiles accentuate the desired panorama effect of the curtain wall. Due to the size of the glass surfaces and the exposed situation of the building, additional reinforcement plates

(made by Knapp) were installed. Jens Preisig: “The biggest challenges with regard to the curtain walls were statics, glass surface area and wind pressure on the building. The reinforcement plates are important for statics reasons, because they ensure that the base profile stays where it belongs even under extreme loads.” When the glazing panels, doors and windows were fitted, the curtain wall was completely weatherproof. For aesthetic reasons, a cover profile in RAL7016 Anthracite was added, visually spanning the distance to the verge and base joints.

Effective moisture protection

Since the Bergwelt Kandel is in an exposed location and the building faces west, construction plans had to include a system that ensured the structure was not only windproof, but also moisture-resistant. The closed inner sealing level of LARA GF effectively prevents moisture from gaining access to the wood via the glass rebate, ensures maximum windproofing and protects the glazing system from the ingress of damp from inside the room. With its proven technology, LARA GF provides “multi-field ventilation”. Moisture in the glass rebate generally drains away via the mullion (rafter). The system is categorised in water tightness class RE1200. LARA GF also provides very effective thermal insulation with a U_{cw} value of up to 0.63 W/m²K (at a U_g value of 0.5 W/m²K), which will definitely prove useful and energy-efficient on cold winter days at an altitude of more than 1,200 m. Despite some material delivery bottlenecks caused by the coronavirus restrictions, construction of the Bergwelt Kandel is progressing on schedule, so investor Ulrich Reichenbach’s projected opening at Easter 2021 seems entirely realistic at present. ●



A total of 300 m² of LARA GF glass curtain wall were installed.

Benefits bonus with wood-aluminium windows and doors.



AESTHETIC

- Free choice of colours inside and out
- Two-tone aluminium profile available
- Large selection of wood types
- Cosy, homely effect of wood indoors
- Variable profile design
- Good statics properties for slimline profiles
- Wide variety of profiles and woods for individual solutions



ECONOMIC

- Low-maintenance
- Durable
- No separate glazing beads on sash
- Less lacquer layering required
- All fittings for wood windows can be used
- Repairs possible
- Fast replacement
- Glass with dry glazing seals
- Produced locally for shorter journeys



© Photo: Daniel Vießer



FUNCTIONAL

- Very good thermal insulation values
- Stable wood frame
- Excellent tightness, soundproofing and statics
- Outstanding burglary protection
- For all opening types
- Beneficial in fire protection
- Shields against mobile phone radiation
- Solutions adapted to all special requirements available



ENVIRONMENT-FRIENDLY

- Durable without tropical wood
- Wood from native forests can be used
- Thermal insulation saves energy
- Non-toxic when burned
- Aluminium 100% recyclable

*A joint
commitment
to sustainability
starts with
the choice of
material.*

No matter whether the frames are aluminium-only or combined with wood – both versions offer an optimum ecological balance, as shown in a study by the Institute for Polymer Testing and Polymer Science for the window and façade trade association Verband Fenster + Fassade. For instance, we reuse almost all our production scrap in the next manufacturing cycle. In addition, aluminium is a durable raw material that is 100 per cent recyclable. And the wood we use comes from native forests.



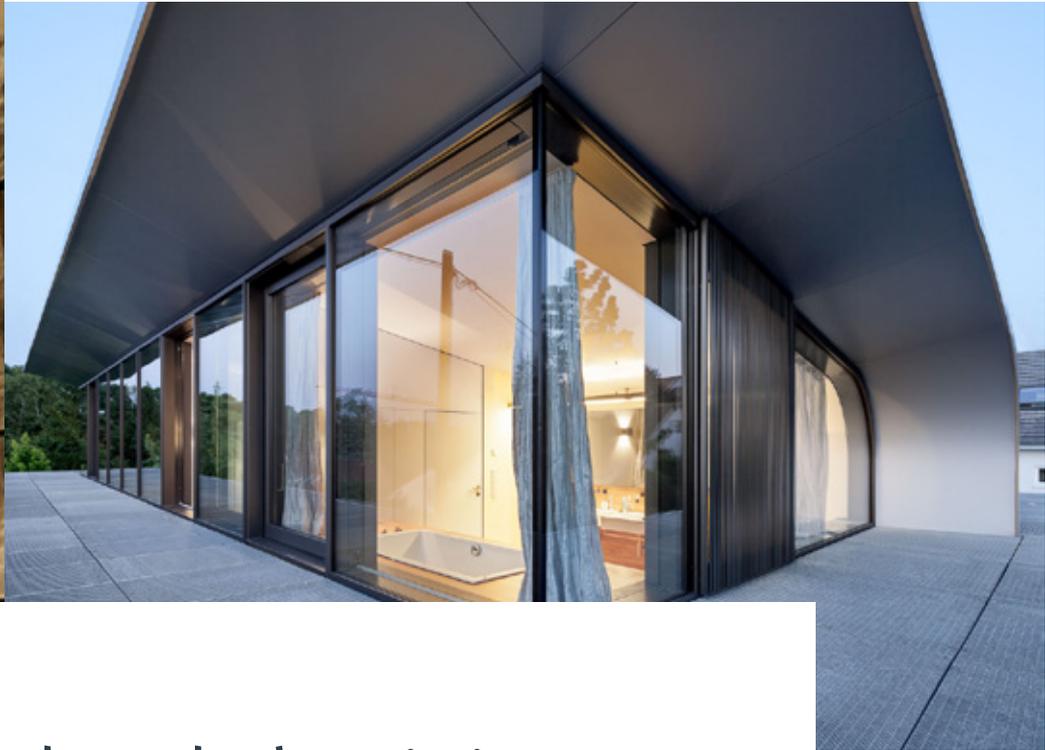
**BUILDING WITH
TIMBER BECOMES ACTIVE
ENVIRONMENTAL
PROTECTION.**

Constructing a detached house from about 30 cubic metres of timber permanently removes more than 25 tonnes of CO₂ from the atmosphere.

Every **7**
SECONDS,
a new home
regrows.



© Image: Susanne Wegner
Architect: Lohrmann Architekten



Wood and aluminium – building with sustainable raw materials.



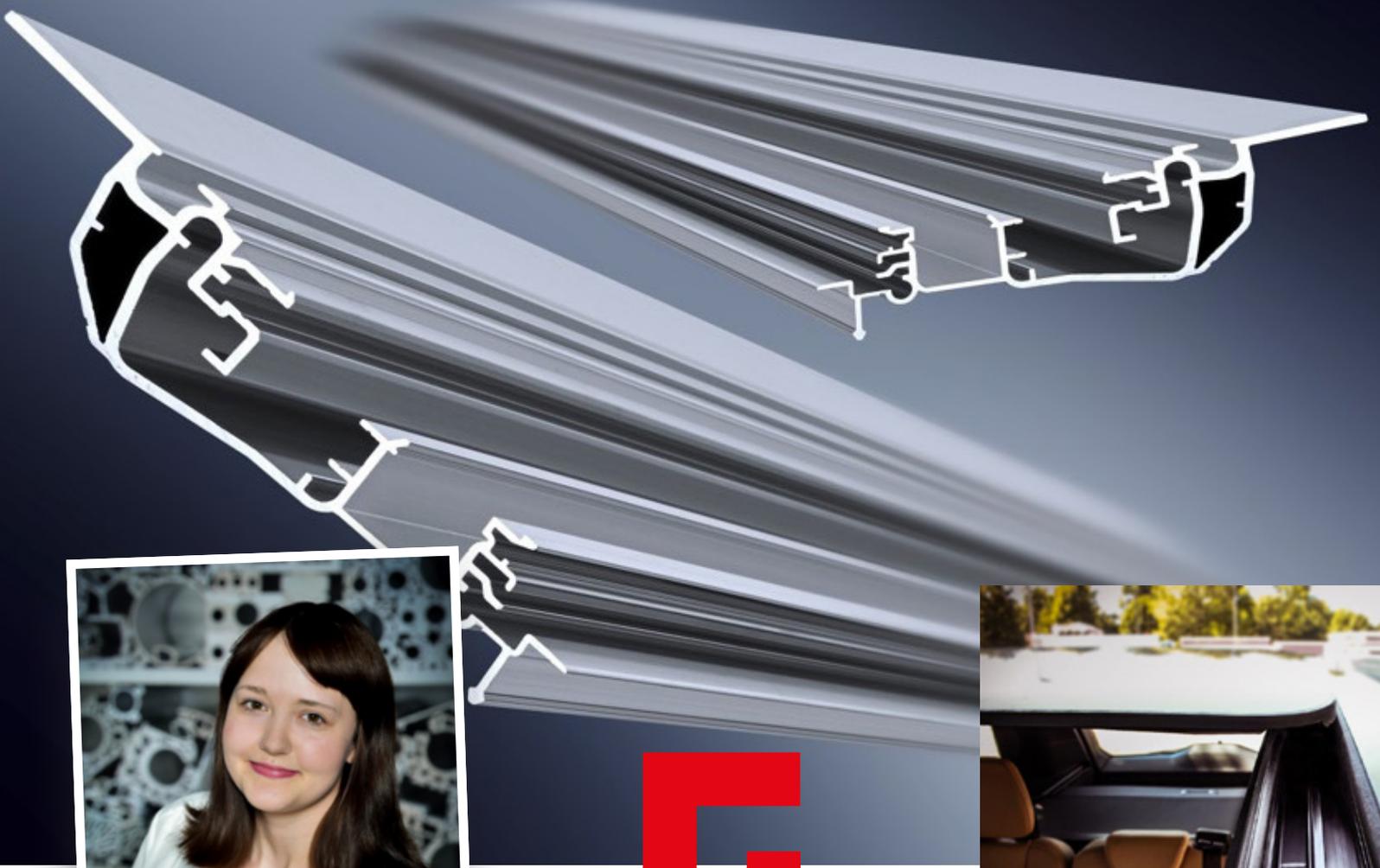
100% opportunities.
5% energy.

Aluminium can be endlessly recycled with its entire quality and material properties remaining fully intact. What's more, melting down end-of-life aluminium uses only 5% of the energy required to produce primary aluminium. So the higher the proportion of recycled material, the greater the benefit for our towns and the environment.

”

**ALUMINIUM – FOR THE
GREATEST POSSIBLE
CREATIVE DESIGN FREEDOM**

Around
75%
of all the
aluminium
ever produced
is still in use.



Marion Koller



High-quality aluminium profiles for sliding sunroofs

Interview with GARTNER EXTRUSION GmbH

A look at a highly specialised product field at GARTNER

At its Gundelfingen plant, GARTNER EXTRUSION GmbH produces high-quality aluminium profiles for car sunroofs, the world's tallest building, production facilities and operating theatre equipment. In short, our products are used wherever aluminium profiles with extra-fine tolerances are required. In this article, we would like to tell you about the automotive sector in more detail. We spoke to Marion Koller about this sector and her career at GARTNER EXTRUSION.

How long have you been working for GARTNER EXTRUSION GmbH and in what capacity?

My professional career started on 1. September 2010 when I began my apprenticeship as an industrial manager at GARTNER EXTRUSION. After qualification, in July 2013, I was taken on as a permanent member of the Sales team. For the next two years I was responsible for the Automotive market together with a colleague, who made sure I was thoroughly trained because he was due to retire shortly afterwards. I have held sole responsibility for this field since 2015, as well as looking after the North Rhine-Westphalia region.

You have been working here for 10 years now – what makes GARTNER EXTRUSION GmbH special as an employer?

GARTNER EXTRUSION is a well-known name in our region, and our staff of around 340 means it is a major employer. Training and apprenticeships enjoy a particularly high status here, and apprentices are offered a solid basis for their career. Looking back, I must say that I had 2 years of very good further training after I finished my apprenticeship, which is rare. After that – despite being relatively young – I was entrusted with the responsibility of looking after one of our key customers.

What is the essence of the work in Sales?

Sales involves a lot of work in the foreground. We are in direct contact with our customers and, as it were, bear the responsibility for the work our colleagues do in the background. Things usually run smoothly and the resulting service is top quality. But anyone who knows anything about extrusion pressing also knows it is a tricky process that can be influenced by a lot of different factors. Problems can crop up from time to time for which we in Sales – as what I would call problem-solvers – have to find a good solution for our customers. Of course, that means you sometimes act as a shock-absorber, but you are also the one who gets the praise when something has turned out well – for example, when an urgent customer order has been processed quickly and delivered punctually at short notice, or when other special requirements have been fulfilled. There are two sides to every coin, of course, but most of our experiences are positive.

Today we want to focus particularly on the Automotive sector. What can you tell us about this area?

We supply one main product group to the industry, which includes profiles for sliding sunroof guide rails. We deliver around 4,500 tonnes per year, which accounts for about 24% of our available capacity. We press the blanks, cut them to length and deliver them to our customers, who then process the profiles with high added value before they are finally assembled as part of a complete roof system.

What is challenging about this area?

One of the greatest challenges is the high degree of flexibility that is required from us in all processes. Call-off figures for the profiles are adjusted weekly, which naturally results in a fair amount of fluctuation in the planning section of the necessary departments and resources. Continuous updating and coordination are essential here. In addition, the construction of the profiles themselves is becoming more and more complex. The narrowest tolerances are required, and lowering weight by reducing wall thickness is another major issue. All this is a big challenge for our two 27 MN presses, I must say, but we have accepted the challenges to date, which has helped to grow our pressing expertise.

Why does the Automotive field have such a large share?

One major factor is definitely our pressing expertise. The profiles are often complex, with numerous undercuts, thin walls and narrow tolerances, so it is essential for our R&D to be in constant close contact with the customers. Our experience in this field is a valued asset. On the other hand, we press most of our profiles from aluminium that we have cast ourselves. Depending on what is required from the end product, we can produce different aluminium ingots within certain limits. I believe that is one of the decisive factors in terms of quality. Finally, I would say that the experience of our colleagues and the awareness of what constitutes quality are extremely important.

How have things been during the last few months of the coronavirus crisis?

As we all know, the coronavirus crisis has hit this industry hard, too. Gartner started 2020 strongly – and then came the crisis. It was a bit of a rollercoaster ride, with some customers having to register 100% short-time work in April. This almost resulted in call-offs drying up completely, which Gartner could fortunately compensate with orders from the medical and mechanical engineering sector etc. There were fresh updates from the customers nearly every day, to which we had to react at a moment's notice, only for things to take a completely different turn the next day. At that time we were producing without knowing when the profiles could be delivered, or generally what the future had in store for us. Around July/August the pressure eased a little, call-off figures have risen steadily and are now back to where they were before the coronavirus came along.

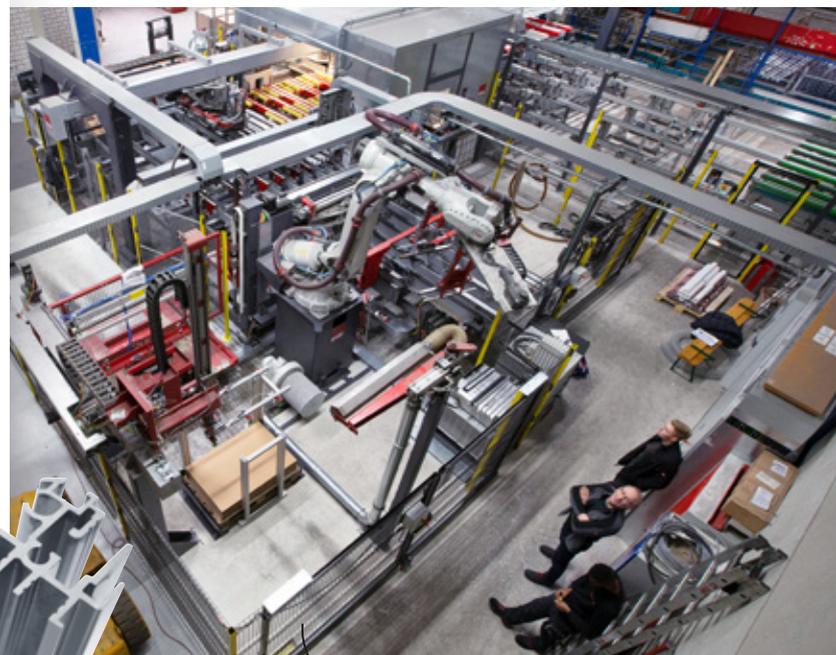
What was the highlight for you in recent years?

Besides the modernisation of our extrusion press, one highlight was definitely the installation of our automatic sawing centre, which cuts aluminium profiles to length at a very high hourly rate and stacks them in the waiting empty containers automatically. We cut approximately 3,000,000 units per year. We used to have to do this on two machines, but now we only need the one. That was a big step towards process automation. ●

INFO

Key data:

- Facility is operated by one person and is linked to our automated high-bay warehouse (therefore no need to transport raw material by fork lift)
- Production planning via data management of AS 400 output, up to 1,000 units/hour
- All parts are measured 100% for length and documented
- Possible cut lengths: 270 – 3000 mm
- Possible profile widths: 20 – 250 mm
- Possible profile heights: 5/100 mm
- Finished pieces up to 1470 mm can be stacked automatically by robot (approx. 90 % of our sawn range)



Sawing centre

Relaunch of website SMART FRAMES – customised content and intuitive control

The website is our calling card in the market. We have adapted the new site to the latest requirements in terms of programming standards, layout and content, also implementing some of our customers' ideas and suggestions.

*Kati Benesch
(Head of Marketing & Communication)*

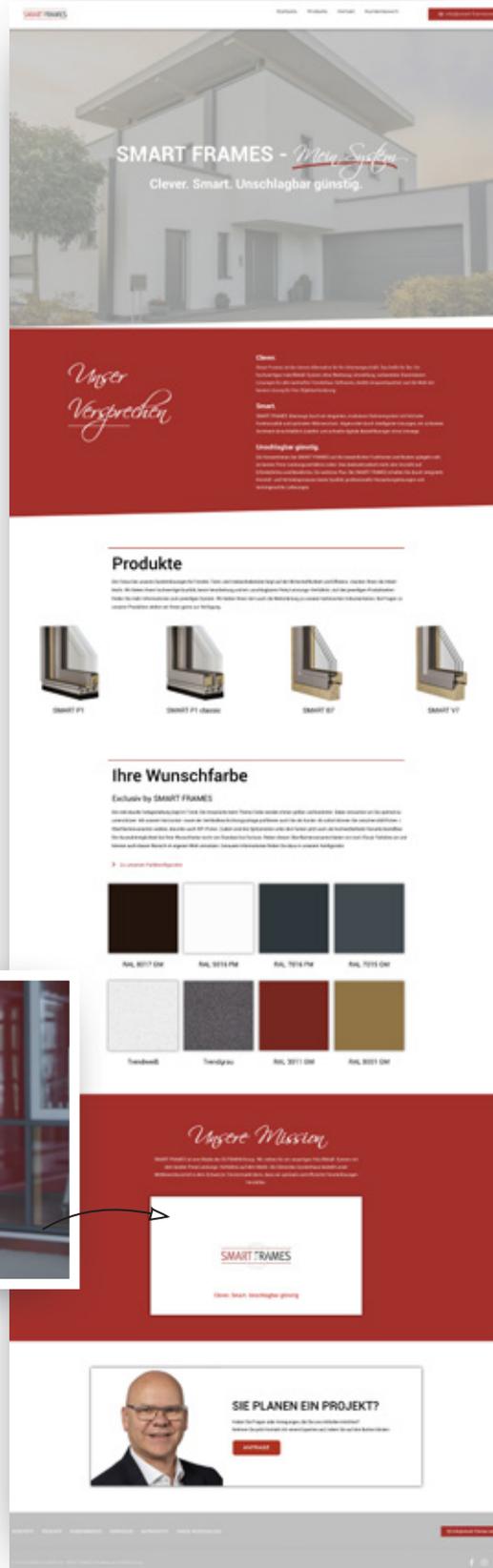
Systems fact check

An overview of all important information on systems SMART P1 to SMART V7. Rounded off with additional data about use and design, or even technical performance characteristics.



Read more

about the SMART FRAMES Mission by Remo Heyer (Key Account Manager) at www.smart-frames.net



My SMART FRAMES

Another first: a personalised zone for customers. Users can sign up under menu item Customer Portal to access additional helpful, useful content.

From harmonious to contrasting – the SMART FRAMES colour scheme

Customers and partners can compare RAL tones on colour charts. The ideal way to create windows and sliding doors to match the unique architecture of the building project.