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Trust. Right from the start!

January 2026

Information for our customers and business partners

Full steam ahead into the future

Full steam ahead into the future: this is the path taken by Urban GmbH & Co. Maschinenbau KG.

"We were able to further expand our technological lead in the 2025 financial year and will continue on this successful course in the future," says Martin Urban, managing partner of the Urban Group.

The company is benefiting from the continuing high demand for its high-end manufacturing solutions, such as CUT welding machines. "Interest remains strong, and we are already accepting projects for the second half of 2027," says Urban, who attributes this trend to more than just attractive surfaces and corners such as zero joints.

"It's about much more than beautiful windows. For window manufacturers, the primary concern is automating processes and securing the production flow. The shortage of skilled workers is also having a major impact on window and door manufacturing, and our machines enable companies to counteract this technologically," explains Urban.

Countering the shortage of skilled workers

More and more companies are therefore opting for welding and plastering technology and are also optimising their logistics processes. "We have focused specifically on the high-end markets of the Western world and international industrial

customers, where we are regarded as an innovative supplier of machine technology for window and door production. Our tailor-made solutions set us apart from the competition and make us the first port of call for companies that also want to stand out from their competitors," explains Urban.

A lot of investments

In order to meet the high quality standards, Urban maintains a high level of vertical integration and continuously invests in its own production technology. A double-digit million amount is currently earmarked for the optimisation of production at all locations.

At its main plant in Memmingen, Urban has

commissioned another five-axis machining centre, and we are also expanding the area for machine and plant acceptance with a new hall.

At the plant in Forchach in Tyrol, another machining centre and a new powder coating plant will be installed in the coming months. Production at Urban Machinery in Fredericton (Canada) will also receive a new portal milling machine. The halls there have already been converted and optimised.

An expansion is also planned at the sales location in Cambridge (near Toronto).

"We are therefore also consciously investing in the American market, despite the current uncertainties," says Martin Urban.



New five-axis machining centre and a new production hall in Memmingen.



The Urban plant in Forchach (Tyrol)



The Urban plant in Fredericton (Canada)

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EDITORIAL

Dear customer,



The latest edition of Urban News brings you the latest news from your technology partner.

I am delighted that we have once again been able to put together a colourful mix for you.

In economically and geopolitically challenging times, the importance of reliable partnerships is once again evident. On behalf of the entire Urban team, I would like to express my sincere thanks for the great cooperation in 2025 and look forward to talking to you in person at Fensterbau/Frontale 2026 in Nuremberg.

Direct, personal communication with you is the basis of our success. Only by working together with you can we continue to develop new ideas and solutions that add value to your daily work.

Thank you very much for your trust.

Yours sincerely,

Martin Urban

Managing Partner

Fully asked: The wooden window look

Interview with Tobias Sontheimer about the popular HFL windows

In addition to coloured profiles with fine structures, plastic windows with a wood look (HFL) are currently in high demand. Tobias Sontheimer from Technical Sales reveals the special features of HFL window manufacturing in this interview.

What is special about HFL welding?

Tobias Sontheimer: HFL is an innovative manufacturing technique used to weld PVC windows so that they look like classic wooden windows. The special feature here is the corner design: instead of the typical 45° weld seam, a straight butt joint is created – elegant, precise and authentic, just like a real wooden frame. This makes the windows look as if they were handcrafted, but they retain all the advantages of modern PVC technology.

What exactly distinguishes HFL from conventional welding processes?

Sontheimer: With conventional 45° welds, the seam runs diagonally across the corner – a clear indication that it is plastic. The HFL process goes one step further: the outer and/or inner side is precisely notched and then welded together in the core section. With



Where do you see the greatest areas of application for HFL?

Sontheimer: Clearly in the high-end sector: for listed facades, renovations or even in modern architectural projects where design and authenticity are required. The wooden window look appeals to builders who appreciate the warm, natural look of wood but do not want to forego the easy-care properties, low maintenance and cost advantages of PVC.

the help of precise notching mills and an adapted welding technique, a clean, tight and visually perfect corner joint is created – without any visible diagonal line. The result looks like a classic wood joint, but is completely tight and extremely durable.

How can the whole thing be technically integrated into existing production facilities?

Sontheimer: No completely new production line is necessary. With precise notching milling machines and our Urban welding technology, the HFL wood window look can be implemented without any problems. Incidentally, we are talking about a process that can be integrated into existing processes on a modular basis and still offers maximum repeat accuracy.

At the same time, the corners are completely sealed, so there are no open chambers and no moisture or insect problems. In short, the HFL wood window look combines design, efficiency and process reliability at a level that was previously almost unattainable.

What advantages does this solution offer window manufacturers?

Sontheimer: The process is amazingly efficient. Neither adhesive nor screw connections are necessary, and the amount of post-processing required is minimal. The lines remain clear and the surfaces remain clean. At the same time, the corners are completely sealed, so there are no open chambers and no moisture or insect problems. In short, the HFL wood window look combines

AKS 6350 steps on the gas

Fast basic welding machine

Getting started with fast welding is now quicker than ever: with the new AKS 6350 horizontal basic four-head welding machine from Urban.

Like its big sister, the AKS 6600, the AKS 6350 is equipped with four angle welding heads driven by servo axes. This means that all four corners can be welded in a single operation.

"This makes the AKS 6350 ideal for many production environments where fast cycle times and high volumes are important," says Andreas Pauls from Urban's sales team. A large window

manufacturer in Bulgaria has just put four AKS 6350 machines into operation to double its window output. The AKS 6350 guarantees maximum corner strength and high dimensional accuracy thanks to its parallel welding push process. The new welding machine can be upgraded for HFL or HFL-Cube as an option.

Many options

The same applies to the online connection and the equipment with seal formers, scanners or automatic weld bead and squeeze gap adjustment of 0.2 or 2.0 mm.



The AKS 6350 for rapid welding.

Ensuring quality together

Urban as an active member of the GKFP quality association

Urban has been an active member of the Gütekommunikation Kunststoff-Fensterprofilsysteme e.V. (GKFP) since 2016 and is continuously involved in the work of the expert groups. The GKFP is a cross-industry platform for qualified specialist knowledge.

Working on solutions

This is where profile system providers, machine manufacturers, fabricators and other partners meet to work together on solutions.

Quality Committee

again be using innovative 3D solutions for visualisation. The popular "Urban Live" concept with expert talks and real-time presentations will also be available at the stand in Hall 3.

"Window manufacturers from all over the world have known for decades that a visit to our stand is worthwhile for them. This will also be the case in 2026," says Martin Walther.

Through exchanges within the Quality Association network, Urban can identify market and future issues at

an early stage and incorporate them into its machine concepts. "For us, participation in the quality association is much more than a formal commitment – it is an expression of our self-image: we don't just want to build machines, we want to actively shape the future of the window industry," says Martin Urban, managing partner of Urban GmbH & Co. Maschinenbau KG.

Quality counts

In addition to its active involvement in quality assurance, Urban also sets standards in quality assurance within production. "With our in-house PRD and PRZ series corner testing devices, we test and document the strength of welded corner joints with particular precision. This is an important step in ensuring that every weld on our machines meets the high requirements for dimensional accuracy and fatigue strength," explains Michael Walther.

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"As a manufacturer of innovative machines for window production, it is important to us not only to deliver excellent technology, but also to actively participate in the further development of quality standards for the entire industry," says Michael Walther from Technical Sales, who represents Urban in various working groups, such as:

"We are very much looking forward to inspiring the international trade audience. All our global partners and dealers will be on site in Nuremberg and ready to engage in direct dialogue with customers, interested parties and business partners from the

industry, two SV 840 double-head welding bead finishing machines and sophisticated logistics with a VPA distribution buffer system, the flexible ASRflex destacking rack and the associated shuttles with through-transport buffers.

"It was important to us that the new solution would enable us to produce 500 cut-to-size units per shift. The new welding system was equipped to meet the current design requirements of national and international markets. Veka's new AluConnect profile was also integrated into the new systems," says Dominik Büdenbender, Technical Director at Gayko Fenster-Türenwerk GmbH.

This was a major challenge that required a great deal of planning expertise. Gayko Fenster-Türenwerk GmbH, based in Wilnsdorf in the south-east of North Rhine-Westphalia, wanted to replace five existing production lines with three new lines in order to centrally integrate sash and frame production, special construction and front door production.

This is made possible by a new, fully automated production line with three AKS 9600 four-head welding machines with CUT technology, two SV 840 double-head welding bead finishing machines and sophisticated logistics with a VPA distribution buffer system, the flexible ASRflex destacking rack and the associated shuttles with through-transport buffers.

The result was a fully automated line in which three CUT welding machines not only replace the five welding machines, but can also accommodate new features of additional profile geometries.

Flexibility is key, as Gayko also offers all construction depths from 70 to 82 mm. After welding, the products are transported in six directions, one of which is the first distribution buffer station with ASRflex destacking rack.

The special windows for international markets will continue to be manufactured on the series production line in the future. Elements small

er than 400 x 350 mm or larger than 4000 x 3000 mm go straight to the special construction department. The same applies to front doors. The production changeover took place in two major steps. Gayko received two CUT welding machines and both plastering machines in the summer of 2024, with the third CUT system and a logistics upgrade with series buffers added at the turn of the year 24/25.

"For us, this was of course a huge challenge and a very exciting project," says Tobias Sontheimer from Urban's technical sales department. It's a good thing that Sontheimer knows every corner of Gayko's production facility, as he previously worked as a service technician for Urban machines at Gayko.

In general, Urban also scores highly at Gayko with its expertise, service and quality. "We explicitly chose Urban for this project, even though we could have obtained cheaper machines from other suppliers. Price

is certainly important, but it is not the deciding factor. Due to its expertise and quality, Urban was the only option for us," says Dominik Büdenbender.

Gayko Fenster-Türenwerk GmbH currently supplies around 200 authorised specialist companies, both nationally and internationally. Of the 220 employees, 130 work in production and technical areas.

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Why window manufacturers rely on Urban's expertise

Georgi Fenster und Türen: No more painting

Window manufacturer in Saxony optimises production and also reduces the workload for employees

Modern. Friendly. Georgi.
That's how Ilka Häcker and her team at Georgi Fenster und Türen in Rödewisch, Saxony, sum it up.

And they are also well equipped for the future. This is also thanks to their technology partner Urban, which has now gone one step further. Georgi Fenster's plastic window production facility recently acquired a new high-end AKS 9600 CUT welding machine from Urban and a new SV 530 weld bead smoothing machine.

High colour content

"We make 50 per cent coloured profiles, and Urban's CUT technology is indispensable if you want to work in a process-optimised manner," says Ilka Häcker, managing director at Georgi Fenster- und Türenbau GmbH in Vogtland.

Georgi Fenster und Türen has been manufacturing its high-quality windows and doors with Veka profiles for over 25 years. The new

GEORGI

AluConnect system from Veka is a new addition to the range.

"Urban's CUT is also ideal for processing the new AluConnect profiles," says Häcker, who manufactures up to 80 windows and doors a day with her team of 27 and supplies around 270 building component dealers in Saxony, Thuringia and Bavaria.

It goes without saying that Ilka Häcker also values zero

joints highly. Not only because of the appearance, but also because it reduces the workload for her employees. "Until now, we have been repainting the corners of coloured profiles manually. Thanks to CUT technology, we can now save ourselves this step. This is great for my team, because the time previously spent painting can now be used to complete other tasks," says Häcker.

To keep the production process running as smoothly as possible, the team at Georgi Fenster und Türen also installed a powerful extraction system on the Urban CUT machine.



Satisfied: Operations Manager Reinhard Schattke and Managing Director Ilka Häcker.



Die CUT als Garant für schöne Ecken bei Georgi

Full use of space

Ilka Häcker was also very satisfied with the support provided by Urban as a technology partner in the latest investment project. "Fred-Karsten Karl once again gave us excellent advice; it's a pleasure to work with him," says the Georgi boss.

The tinkerer in Urban's sales

department once again made use of every millimetre of the hall to develop a tailor-made system layout. Fred-Karsten Karl would have liked to have implemented a logistics solution at Georgi Fenster to further optimise processes.

"Unfortunately, there really wasn't any room left because the hall is only as big as it is," smiles Karl.



Georgi Fenster und Türenbau is advised by Fred-Karsten Karl

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Venschott: Saving time and reducing the workload

The wedding is brought forward and will now take place at the window frame stop

In window and door production, too, the more structured the workflows, the more effective the processes.



Managing directors Frederik and Justin-Johann Venschott and production manager Benjamin Zackenfels from Venschott Fentersysteme GmbH, based in Greven (between Münster and Osnabrück), are well aware of this.



Neatly arranged elements at Venschott



Comfortable working at Urban's tilting tables

So the trio once again sought logistics expertise from Urban. "Fred-Karsten Karl provided us with great support and, together with him, we developed a concept that has revolutionised some of our processes," says Benjamin Zackenfels.

The biggest change in the workflow: the wing and frame are now joined directly at the frame stop, much earlier in the process chain than before. In addition, the elements are transported from the distributor to the new

tilting tables via roller conveyors and a sliding trolley. From there, they go to the glazing station.

No more searching

"It was important to us that employees did not have to carry frames and sashes manually through the hall, but instead received the elements directly at their work tables, and indeed the right elements. After all, employees should be working and not first searching for the

right element. This optimisation saves time and, of course, also reduces the physical strain on the team," says Zackenfels.

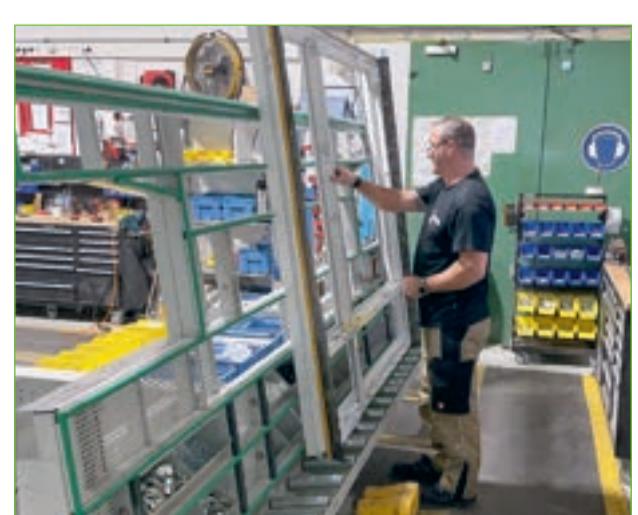
In good hands

Zackenfels and Venschott knew right from the start that Fred-Karsten Karl from Urban Sales was the right person to contact for the logistics project. "Six years ago, we worked with Fred-Karsten Karl to implement an automatic glass bon-



Venschott Fenster- systeme GmbH is advised by Fred-Karsten Karl

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Urban's tilting tables offer a significant ergonomic advantage for the Venschott team.