



VALK MAILING

a publication of Valk Welding

26th year - 2026-1

*From welding
challenge to
50% higher
output with
robot welding*

Kyte Powertech



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Colofon

The Valk Mailing has been put together with care by Valk Welding. From concept to creation, our team has worked hard to realise this magazine and provide you with relevant information, inspiration and insights into the world of welding technology and automation. For any questions, comments or suggestions, please feel free to contact us at info@valkwelding.com. Thanks to all employees and partners who contributed to the success of this magazine.

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Dear reader,

You are holding a new edition of Valk Mailing. An edition that takes you through half a year in which a lot has happened – and in which we have taken clear steps towards the future. Developments that are relevant to you, because they show how we continue to invest in solutions that make your production stronger, more flexible and more future proof.

In the spring of this year, we opened our Valk Welding Finland branch – an important milestone. With this new branch, we are increasing our local presence in Northern Europe and are even better positioned to support customers close to home. Being close to the market, acting swiftly and truly understanding what is happening on the shop floor: that is what we believe in.


March 2026 also marks a special anniversary: 65 years of Valk Welding. A milestone we are proud of. Not only because of

what we have built, but especially because it motivates us to keep looking ahead. Innovation, automation and our unique rental concept RWAAS form the common thread – and we continue to follow that line unwaveringly.

Over the past few months, we have taken part in various trade fairs, including our first appearance at MACH 2026 in Birmingham. A deliberate step, aimed at Ireland and the United Kingdom. During these trade fair participations, we demonstrate how Valk Welding contributes to efficient and scalable welding automation, tailored to the challenges of today and tomorrow.

In this edition of Valk Mailing, you will find more about these developments, supplemented by case studies, innovations and our vision for the future. I warmly invite you to read on and discover what Valk Welding can mean for you.

Peter Pittomvils (CCO Valk Welding)



From welding challenge to 50% higher output with robot welding

Ireland

Kyte Powertech, an Irish manufacturer of distribution transformers, faced ongoing challenges with finding skilled welders and managing higher health and safety risks as their products grew larger. Their long-standing partnership with Valk Welding has revolutionised their manufacturing process, now with a third installation in place. According to Kyte Powertech, “No other system integrator could give us the guarantees that Valk Welding offered.”

Transformers for critical infrastructure

Kyte Powertech is a manufacturing company specialising in the design and production of oil-filled distribution transformers. Founded in 1977 as Pauwels Trafo Belgium, the company supplies utilities, renewable energy projects and industrial customers in Ireland, the United Kingdom and Europe. From a 17,500 m² production facility, more than 16,000 transformers are produced annually. The product range includes pole- and ground-mounted distribution transformers, compact substations and specialised transformer solutions.



Growing demand, growing challenges

The decision to automate arose from multiple converging challenges. Finding and retaining skilled welders proved increasingly difficult. “We spent a great deal of time training welders who left after a short period. Each time, we started from scratch,” the company explains. Furthermore, working with individual welders inevitably led to variation in quality and the end product. At the same time, transformers are increasing in size. The collaboration with Valk Welding began in 2020 with the installation of the first two robot welding systems. That experience laid a solid foundation for the next steps.

A fully turnkey solution

For the third installation, Kyte Powertech faced additional technical requirements. New technologies had to be integrated, including a torch changeover system to automatically switch to a narrower, curved torch for hard-to-reach weld seams. In addition, an ARC-EYE circular laser scanner for seam tracking was added, as well as an integrated on-torch welding fume extraction solution. This torch-mounted fume extraction solution is a real game changer for us from a health and safety perspective.

“For us, the possibility of a 100% turnkey solution was also decisive. No other system integrator could match this with the delivery guarantees that Valk Welding could provide.”

Smart preparation, smooth implementation

The implementation proceeded exceptionally efficiently thanks to a well-considered approach. Kyte Powertech sent tacked

parts in advance to Valk Welding in the Netherlands for the factory acceptance test. This gave Valk Welding ample time to test and resolve complexities beforehand. Thanks to the DTPS offline programming software, production programs were also ready prior to installation.

“The installation was fully completed within the two-week Maintenance shutdown window, with time to spare. On the Monday after the shutdown, we were already welding production products on the new system.”

Up to 50% higher output

The results are concrete. With robot welding, the operator handles assembly and tacking, after which the robot takes over the welding. Whilst the robot is working, the operator is already tacking the next product. In some cases, this has led to an increase in output of as much as 50%.

In addition to higher productivity, the automation directly contributes to safety: prolonged welding times, welding fatigue and repetitive tasks are increasingly becoming a thing of the past. “No employee has lost their job due to automation. We use it to fill gaps and take over high-risk tasks.”

Ready for the future

The energy transition is driving demand for larger transformers. Kyte Powertech is anticipating this with further automation and ultimately wants to weld all products robotically.

www.kytopowertech.com



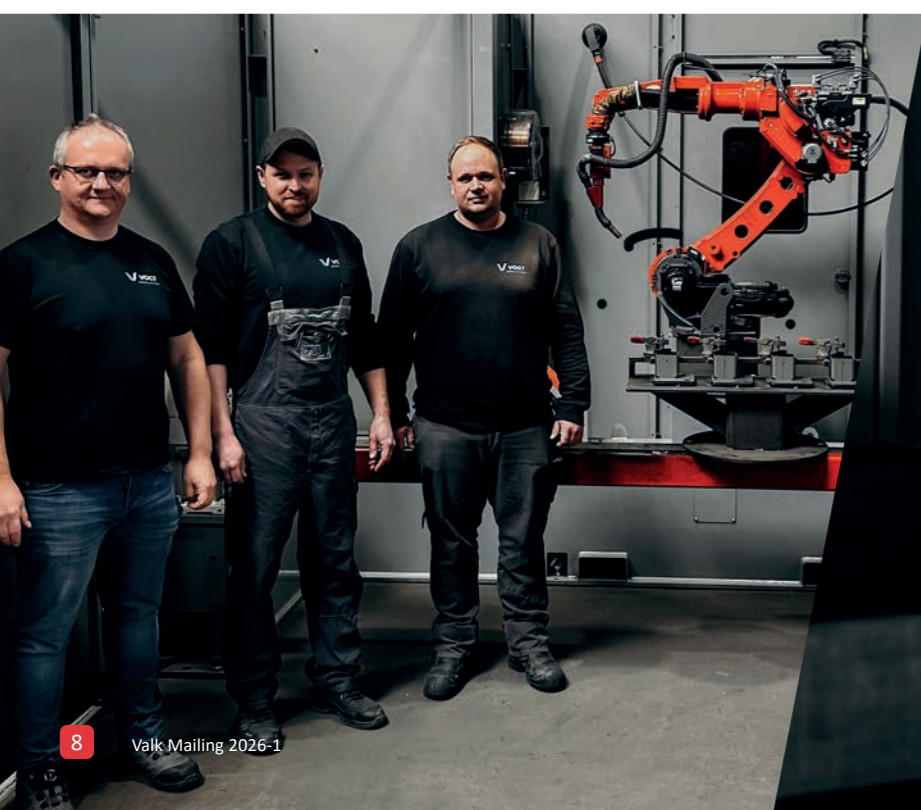
“Valk Welding has enabled us to be more flexible thanks to shorter lead times. That is essential to keep pace with our customers in a rapidly changing market.”

Automatic programming convinces the team at Vogt

Germany

Vogt Metallverarbeitungs-GmbH is a German family business based in Rosenberg-Sindolsheim. Peter Vogt and his team produce individual metal components and assemblies for industry, commerce and plant construction. Services include planning, design, laser and welding work, surface treatment and assembly. With approximately 100 years of experience, the company combines modern production with sustainable energy concepts.

Vogt Metall in Form is writing a new chapter in its production history: as the first German customer, the company chose a RWAAS hire cell (Robot Welding As A Service) last year, demonstrating a bold commitment to innovation. The decision paid off faster than expected: just four hours after delivery, the first weld was made. This also laid the foundation for closer collaboration.



From pilot project to strategic investment

The introduction of the RWAAS solution was initially intended as a forward-looking trial. The goal was to test the possibilities of robotic welding and programming under real production conditions, without high investment and with maximum flexibility.

Thanks to the all-in service model, Vogt Metallverarbeitungs-GmbH was able to benefit immediately from a fully integrated welding system, including service, training and support. "The decision to purchase additional welding robots was made quickly, after the positive experiences," says Peter Vogt. The hurdle of classic investment decisions disappeared, while productivity and planning certainty increased immediately.

ARP as a technological game changer

A decisive factor for success was the automatic programming software ARP (Automatic Robot Programming), powered by ArcNC. The technology analyses 3D CAD or STEP data, independently identifies weld joints and draws up optimised welding programs in a very short time. "What used to require time-consuming programming now runs largely automatically," adds programmer Robin Czernuschka and welder Daniel Neubert. Especially for components with many variants or smaller batch sizes, ARP opens new efficiency opportunities. For customers, this means faster throughput times, shorter changeover times and significantly greater flexibility in production.

Speed convinces

Perhaps the most impressive proof of the solution's performance was the extremely short start-up phase. Just four hours after delivery of the RWAAS robot cell, the first weld was made. This speed, combined with intelligent programming via ARP, quickly led to a clear insight: robotic welding is not just an option, but a decisive competitive advantage.

Consistent further development

Convinced of the efficiency, quality and user-friendliness of the programming, as well as the close collaboration, Vogt decided to opt for additional robots. A successful pilot project grew into a strategic expansion of production capacity, with a clear focus on automation, scalability and futureproofing.

Competitive advantage through innovation

With the introduction of RWAAS and ARP, Vogt Metallverarbeitungs-GmbH was able to:

- start production processes within a few hours;
- drastically reduce programming work;
- respond flexibly to different components;
- minimise investment risks;
- sustainably increase quality and reproducibility.

Vogt shapes metal and thereby convincingly demonstrates how modern automation solutions not only optimise processes but can also create real competitive advantages — from the very first weld point.

www.vogt-metall.com

Technological transformation in agricultural machinery production

Poland

Unia Group is one of Poland's longest-established manufacturers of agricultural machinery, with operations dating back to 1882 and production facilities across four locations. Serving both domestic and international markets, the company continues to pursue a development strategy focused on investing in modern production technologies. One of the key steps in recent years has been major investment in machinery and new technologies, which reached a value of 75 million PLN in 2024.

Welding robotisation as one of the key investments

The decision to robotise the welding process was not made by chance. As company representatives emphasise, it was preceded by detailed technological and economic analyses. Two robotic workstations were chosen: one for welding smaller components and one for welding large-scale products. It was important that the entire system could be integrated into the company's existing structures without the need for costly modifications. One of the greatest challenges was finding the right technology partner capable of meeting the requirements set. Unia Group was looking for a supplier who would not only deliver equipment but would also be capable of designing a comprehensive solution and launching series production. Following a thorough market analysis and a tendering procedure, Valk Welding was selected.

Experience and a flexible approach as the decisive factors

The supplier's experience, expertise, and ability to execute advanced projects involving large welded structures proved decisive. Valk Welding proposed a solution fully tailored to the customer's needs — encompassing welding robots, the complete workstation

infrastructure, and systems supporting the welding and programming process.

Advanced sensor systems, such as Quick Touch Sensing and the ARC-EYE laser camera, played a crucial role in ensuring high process quality. These systems enable the automatic correction of welding trajectories in real time, maintaining high welding precision even when dimensional tolerances of the welded parts are large.

Another important aspect was the implementation of DTPS software for the virtual programming of robots. This solution enables welding programs to be prepared away from the production workstation, which significantly increases work efficiency and eliminates downtime.

Collaboration between customer and supplier does not end after workstation delivery

The collaboration between Unia Group and Valk Welding did not conclude at the installation and commissioning of the robotic workstations. Valk Welding programmed and launched series production of the first batches of parts on both the small and large workstations. It also provided technical support and assistance with further process optimisation, which enabled Unia Group to achieve full operational independence in managing the systems and implementing new production more quickly.

Today, Unia Group regards robotisation as one of the pillars of further development. The company plans to gradually extend the use of robotic welding to additional production components.

www.uniagroup.com



DTPS



Automating the finishing touch

“From perfect weld to perfect finish in one solution”

Not every product requires post-processing after welding. But in sectors where every detail counts, such as when welding medical equipment or vehicle components, visible seams must disappear and surfaces must be finished uniformly. Traditionally, this requires manual labour by specialists with excellent hand-eye coordination and extensive experience. Thanks to new developments, Valk Welding makes it possible to automate the finishing touch using the trusted Panasonic robots. In this way, we make this final step, just like with our welding robots, reliable, repeatable, and scalable.

One point of contact with proven strength

Our solution builds on the proven strength of the Panasonic robot systems that have formed the heart of the welding process for many of our customers for years. The advantages offered by the Panasonic robot now also fully come into their own in the finishing process. From welding to finishing, we make automation technically consistent and maximally manageable.

At the same time, you have one experienced technology partner. That means: one point of contact, one line of support, and one party that oversees the full process. From optimising the welding programme to adjusting the finishing tools; all questions come together with one partner who understands the total production flow and helps make it as efficient as possible. In this way, we ensure that process steps are optimally and efficiently aligned. The perfect finish starts with the perfect weld.

Offline programming possible

Thanks to the use of Panasonic robots, offline programming in the Panasonic DTPS software is also possible for the finishing process. As a result, finishing paths can be generated directly from the (welding) lines in the programming software. Because these can be programmed and validated offline in advance, this minimises downtime on the shop floor. This shortens lead times and increases predictability. In addition, operators remain available for valuable tasks, while the robot performs consistent, repetitive finishing.

Harmonic Finishing: Perfection through Continuity

In finishing, the same principle applies as in welding: every start and stop point is a risk. In welding, these are the places where bonding defects or visual irregularities occur. In finishing, these interruptions cause variations in the surface pattern and texture. To guarantee the highest quality, these critical moments must be eliminated.

As with high-end welding, perfect synchronisation between the robot arm and the moving workpiece is essential. Panasonic's Harmonizer software guarantees this cooperation.

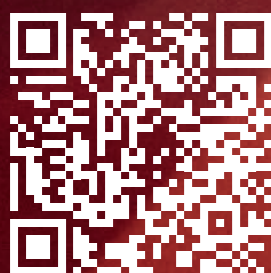
- One smooth movement: The robot and manipulator work fully synchronously, ensuring the tool never has to stop.
- Guaranteed result: Due to constant speed and pressure across the entire workpiece, the final result improves significantly.
- No starting marks: Because the robot proceeds in one continuous pass, you maintain a homogeneous surface without visible transitions.

From hand-eye coordination to constant reproducibility

Automating finishing processes is challenging, as human hand-eye coordination is normally required to compensate for variations in weld seams and positions. Therefore, an essential prerequisite is that the welds are consistent and reproducible throughout the entire series. With robotic welding, this is perfectly achievable. Thanks to this reliable and predictable basis, the robot can achieve a stable and reproducible result with an adjustable and constant pressing force. This creates a reliable finishing process, even with more complex workpieces, without relying on subjective judgement or variable manual skills.

Ready for the final step?

With Valk Welding, you turn the finishing touch into a controlled, automated process—from perfect weld to perfect finish, within one solution. Curious about what we can mean for your process? We warmly invite you to our demonstration centre to show you the possibilities.



Watch the video



Continuity crucial for Wärtsilä Nederland Kruiningen BV

The Netherlands

Since the commissioning of the first Panasonic VR welding robot 25 years ago, Wärtsilä Nederland Kruiningen BV and Valk Welding have been working closely together to manage and optimise the process of welding overlays on large pistons. Now that possibilities are being explored to apply more overlays in the same amount of time while simultaneously needing to machine away less material, the collaboration has entered a new phase. "Always looking for where additional gains can be achieved for the customer. In that, Valk Welding still proves to offer high added value even after 25 years," says team leader Jaap Weber.

In the large maritime sector, pistons in ship engines can sometimes be the size of a coffee table. Such pistons show considerable wear over time due to the often high temperatures. In Kruiningen, they are restored by machining, overlay welding, and machining again, so that their service life is extended. That process was developed 25 years ago in close cooperation with Valk Welding and with support from the supplier of the shielding gas. "Then you are talking about the correct combinations of rotation speed of the piston, amount of shielding gas and welding machine settings, recorded in the DTPS offline programming system."

“Always looking for where additional gains can be achieved for the customer. In that, Valk Welding still proves to offer high added value even after 25 years.”

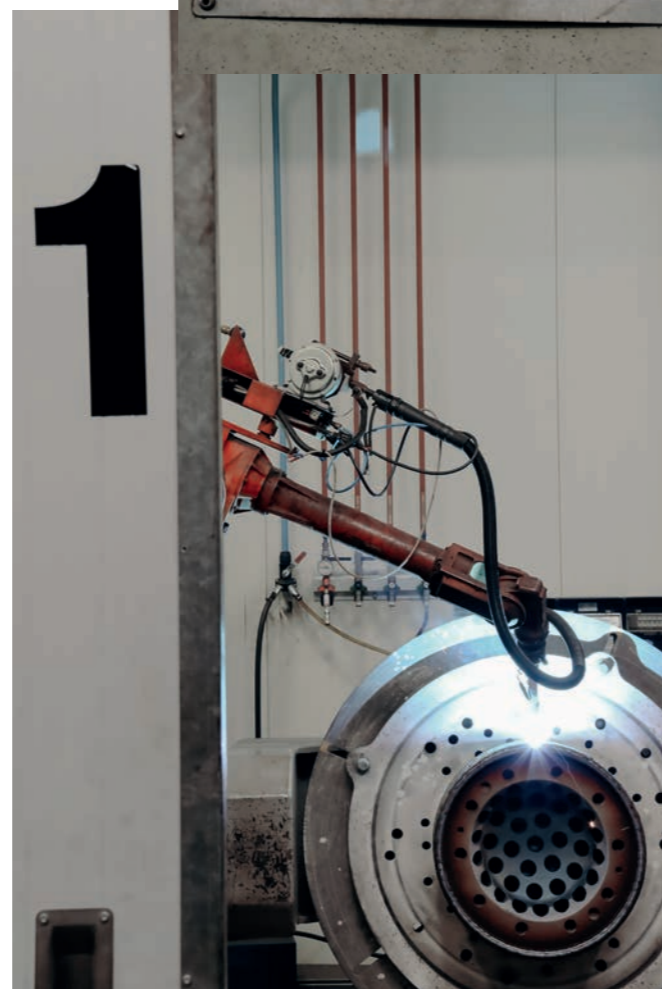
- Team leader Jaap Weber

Nowadays less wear on pistons

Whereas pistons in ship engines were previously heavily loaded and many millimetres had to be machined off, the current generation of ship engines is subject to lower loads and therefore shows less wear on the pistons. “For us, that means we must machine less and apply less overlay. However, the amount of work has not decreased. As soon as the grooves are worn out, the pistons come to us anyway. The difference compared to the past is that we now only apply the overlay that is necessary, and by doing so we have reduced CO₂ emissions. We recondition while maintaining the components,” Jaap Weber explains.

Grown along from G1 to G4 controller

Recently, an older welding robot was replaced again by the latest generation with G4 controller. “While it was a challenge for us to keep the older generation welding robots operational with the



spare parts we had in stock, we have said farewell in time to the older VR types. For our operators, this means that they have experienced all updates from G1 to G4 controller. It is certainly a big step, but because the icons on the teach pendant have remained the same, the implementation went quite smoothly. We now still have 2 robots with G1 controller, 1 with G3 and the new one with G4 controller, which has replaced the G2. The plan is to replace the other two old ones in the coming years.”

20–30 welding hours per piston

Whereas two manipulators were used initially for the sake of continuity, Wärtsilä soon concluded that the efficiency gains were limited. “With 20–30 welding hours per piston, the second manipulator remains idle all that time. With 3 welding robots dedicated solely to pistons

we now recondition over 250 pistons per year. (The fourth welding robot is used for welding ship valves.) If you want to increase that capacity, you will need to add an additional welding robot. Another possibility would be to shorten the welding time, but then you reach the limit of the deposition rate. Together with Valk Welding, we are now therefore investigating the possibilities of reducing heat input, so that the speed could be increased. For continuity and process improvement, the involvement of the supplier is of great importance to us. With their customer-friendly approach, their support, service, training and special welding wire, the cooperation with Valk Welding is crucial for continuity and quality,” Jaap Weber summarises.

www.wartsila.com

The future



Automatic Robot Programming: software that keeps pace with practice

Anyone who has followed developments in the robotic welding world over recent years will recognise a clear trend: demand for automatic programming is growing, and that growth shows no signs of slowing. As we have described in previous editions, Automatic Robot Programming has evolved in a short space of time from a promising technology into a serious standard within modern welding automation. The milestone of more than one hundred active licences was recently reached, a figure that speaks for itself.

More complex challenges demand sharper software

As ARP is deployed more widely, the nature of the challenges it is used to address is changing too. Where the system was initially applied primarily to relatively straightforward situations, ARP is today increasingly being used for more complex installations and production processes. This places different demands on the software. Not only in terms of processing power, but across the entire user experience, from how a program is built to how it is fine-tuned on the shop floor. This reality has led to a series of focused developments over recent months.

The 3D viewer has been completely overhauled. Visualisations are more accurate, the interface is more intuitive, and working with complex structures feels noticeably more accessible as a result. In parallel, the workflow has been reviewed from the ground up: programs are created more quickly and calculations run more efficiently.

Improvements to touch sensing, the functionality through which the system uses physical contact with the workpiece to

program more accurately, make the system more reliable, even in situations where tolerances are tight. And with the introduction of Similarity Detection, a significant step forward has been made. ARP automatically recognises similar welds within a structure. Adjustments no longer need to be applied weld by weld; the system identifies the similarities and applies changes across all matching instances in a single action. A functionality that will be developed further in the months ahead.

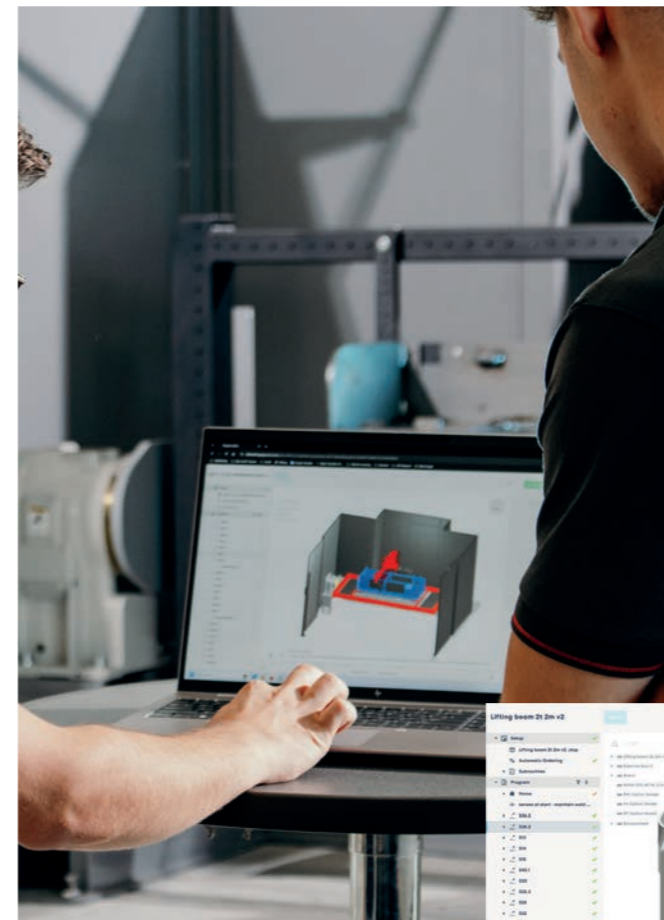
Another big development is the motion edit features. With motion edits, programmers gain significantly greater control over robot movements. More customisation, more control, and therefore more scope to tailor the system to the demands of a specific situation. It is precisely the kind of functionality that experienced programmers ask for, and one that makes a tangible difference to the quality of the end result.

AI: here to stay

Anyone writing about software development today cannot ignore it: AI is changing the way systems are built and used. So-called AI agents, software components that carry out tasks autonomously or actively support programmers, are being deployed across an increasing number of professional environments to automate repetitive actions and streamline workflows.

The same applies to the world of automatic robot programming. The coming months will see significant investment in this area. From AI agents that relieve programmers of recurring tasks to smarter forms of automatic programming: developments build on existing foundations and take ARP a clear step forward. In addition, active work is under way to explore how ARP can grow alongside the changing demands of the market, where calls for more complex and broader applications of automatic robot programming are becoming ever louder.

It is part of a wider movement. Software that fails to keep pace with that movement will, in time, lose its relevance. ARP's active embrace of that movement is therefore not a luxury, but a necessity, to ensure the system continues to offer an answer to the questions of today and tomorrow.



RAMLAB accelerates international growth in automated 3D Print and Repair with the strategic investment of partner Valk Welding

After a successful nine-year collaboration, Valk Welding announced a strategic investment in RAMLAB, pioneer in the field of Wire Arc Additive Manufacturing (WAAM). With this investment, RAMLAB gains the opportunity to further strengthen its position as a global leader in automated 3D metal printing and repair. The capital will be deployed for the further development of RAMLAB's advanced MaxQ 3D Print and MaxQ Repair systems, with the aim of providing a fully automated and user-friendly quality experience for the user.

The collaboration between Valk Welding and RAMLAB has already led to the delivery of dozens of WAAM systems to customers worldwide. Leading organisations such as Vallourec, DEEP Manufacturing and EWI to rely on this technology.



Thanks to the seamless integration of RAMLAB's innovative WAAM technology with Valk Welding's robotic solutions, a smart solution has emerged for the rapid, demand-driven production and repair of large metal components. This results in significant cost and time savings within the manufacturing industry.

The investment underlines Valk Welding's confidence in RAMLAB's vision and technological advantage. Whilst RAMLAB further consolidates its position as market leader in WAAM technology, Valk Welding strengthens its presence in the innovative and rapidly growing market for additive manufacturing and repair. Furthermore, RAMLAB can support its customers even better with print and repair work using high-quality, certified and reliable welding wire.

Bridge between research and industry

In 2025, RAMLAB delivered a MaxQ 3D Print Panasonic robot to the Johns Hopkins Applied Physics Laboratory (APL) in Laurel, Maryland, United States. With the MaxQ system, APL researchers now have all the means to study, test and validate both the repair and production of metal components. The main objective of this collaboration is to bridge the gap between the research and practical application. APL plans to identify the most effective ways to deploy these advanced capabilities for SMEs and their industrial partners. By streamlining robotic production processes, this initiative ensures that the sector remains resilient and technologically advanced. This delivery underlines the commitment of RAMLAB and Valk Welding to provide the tools required for the next generation of industrial innovation. This enables institutions such as Johns Hopkins APL to transform the way we build and maintain critical infrastructure.



KSB automates with MaxQ cobot solution

In the world of high-quality pumps, German manufacturer KSB faced a classic production challenge: the manual welding of plugs to seal pump housings.

Prior to the installation of MaxQ, KSB relied on manual welders for this process, but due to inconsistent quality and a shortage of skilled personnel, they made the switch. By deploying a MaxQ Techman Cobot, driven by MaxQ Repair software, KSB has fully automated the workflow for V-groove welding. The system's 3D camera creates a digital model to automatically detect the plug, making CAD files redundant. The software then accurately generates the toolpaths for the cobot and guarantees high-quality welds through real-time adjustments between layers.

Thanks to the solution, KSB can weld valves of various sizes three times faster. Furthermore, it guarantees consistent quality and creates a future-proof workplace that attracts the next generation of technical talent.

Welding robotisation without a hitch

Czech Republic

Svatavské strojířny, a company with more than 30 years of tradition, has long been one of the established manufacturers of steel structures in western Bohemia. The company was founded in 1993 in connection with the privatisation of the maintenance division of Sokolovská uhelná a.s. From an originally maintenance and metalwork workshop of Sokolovská uhelná a.s., a modern engineering company emerged in the 1990s, specialising in welded components for construction, transport engineering, and custom manufacturing.

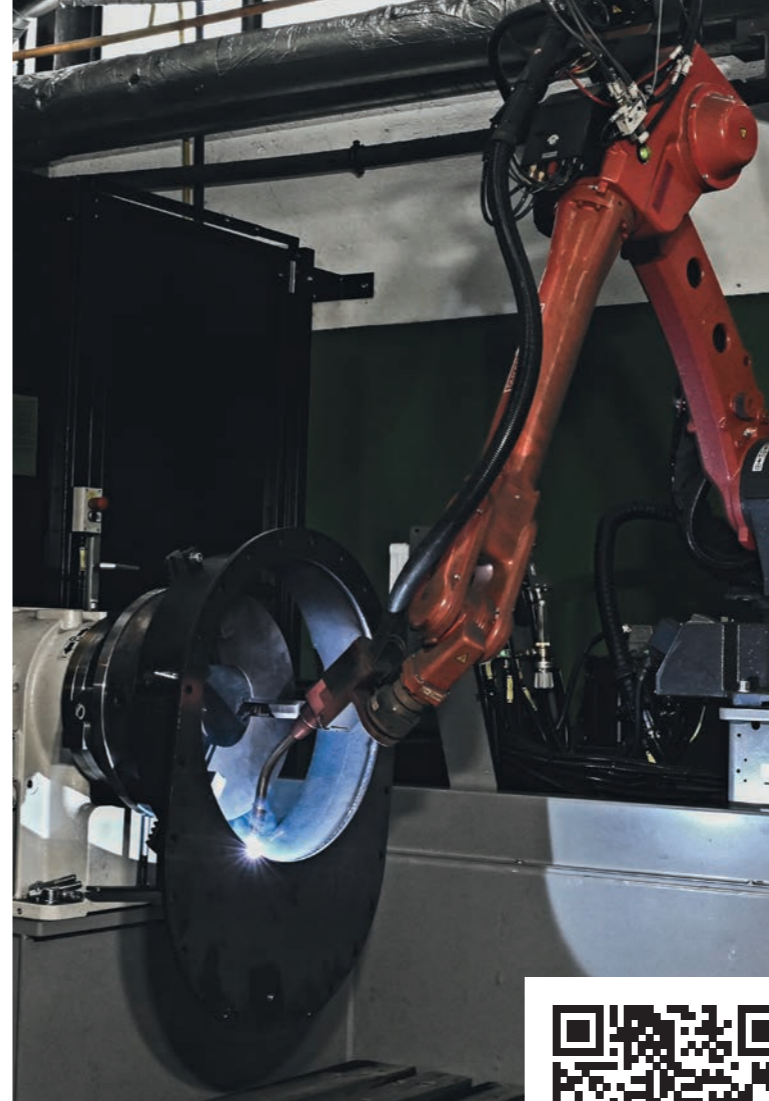
Robotic welding first appeared in the company more than fifteen years ago, when management decided to automate part of the production. That investment was intended to be a step towards higher quality and productivity, but reality also brought a series of complications. For several years the team struggled in vain to achieve stable operation of the purchased robotic system. The main problem was insufficient program repeatability – the robot could weld correctly only immediately after programming, but after some time or a shutdown the results varied considerably. Programs could not be started without additional adjustments, causing the company delays and higher costs.

“The biggest difficulty was that we could not rely on the program working tomorrow the same way as today. When re-deploying previously programmed parts, we often had to start almost from scratch,” explains Mr Ing. Vacek, Technical Director and one of the co-owners. “The supplier tried to resolve some issues, but a permanent elimination of the problems was not achieved. At one point we already felt that robotisation was more of a burden than a help,” adds Mr Ing. Vacek.

A fundamental change occurred when the company decided to increase production capacity. The experience with the previous solution led to the current possibilities of this technology being assessed with other suppliers as well.

After a presentation of the welding options, systems for eliminating inaccuracies in production preparation, and particularly the possibilities for offline programming at the Valk Welding technical centre in Paskov, the management of Svatařské strojířny decided to purchase two robotic workstations from Valk Welding.

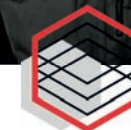
The first consists of a suspended Panasonic robot mounted on a linear track, complemented by two stations with L-positioners that can easily be converted to single-axis positioners. This solution allows large and medium-sized



Watch the video

“When we first launched a program prepared offline and found that it worked practically without intervention, that was a moment that changed our view of robotics.”

- Mr Ing. Vacek



DTPS

assemblies of various types to be welded. The second workstation is a standard TRACK-FRAME-E, intended for smaller parts. Both workstations are equipped with reliable Panasonic welding robots, including systems for locating the position of individual parts and precise calibration, enabling fast and trouble-free offline programming using DTPS software.

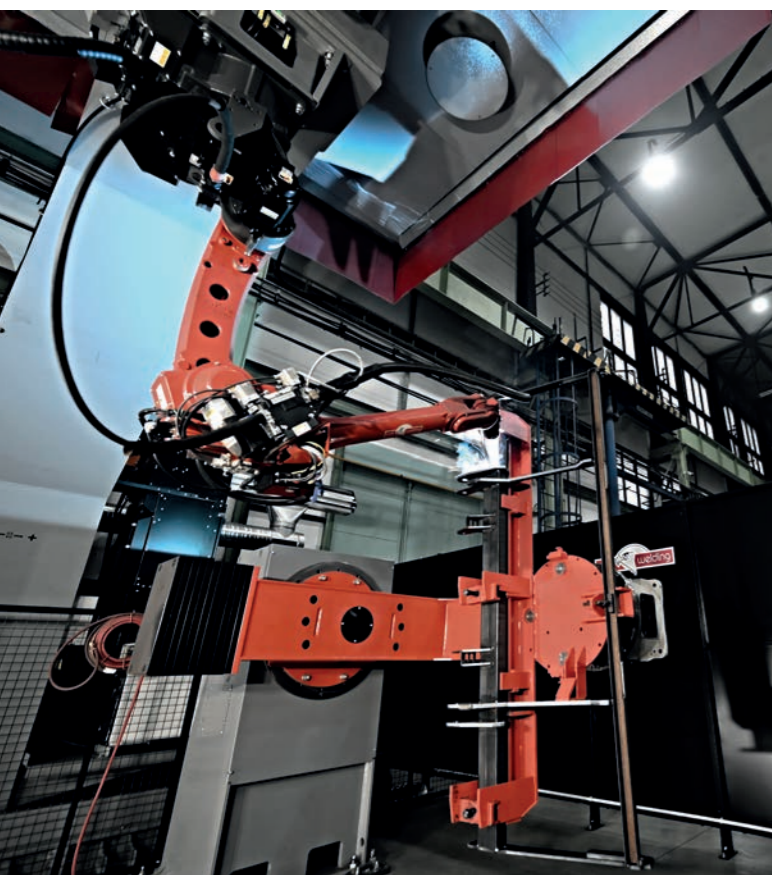
It is precisely this approach that brought the company a fundamental qualitative improvement. Offline programming makes it possible to create, test, and optimise a complete welding program without interrupting production, without having to use productive time for programming directly on the machine. Thanks to the precise model of the robotic workstation and advanced calibration, programs can be transferred directly into production with minimal, often zero, corrections.

“When we first launched a program prepared offline and found that it worked practically without intervention, that was a moment that changed our view of robotics,” says Mr Ing. Vacek. “Suddenly we knew that the robot could be a reliable partner, not an uncertain experiment.”

The results came very quickly. The new workstation for welding frames was commissioned within a few days of installation and immediately began welding series parts – without the need for additional fine-tuning, without repeated corrections, and with consistently stable results.

Today, Svatařské strojířny regards the robotisation from Valk Welding as one of their successful investments. The introduction of the new technology has brought stability, higher capacity, shorter production times, and above all the certainty that a program once created to a high standard will last and can be deployed without difficulty even after months or years.

www.svssro.cz





A strong, future oriented foundation for the Finnish industry

The development of Valk Welding Finland marks an important moment for both Valk Welding and the Finnish manufacturing industry. What began as an organic expansion from the international Valk Welding Group has, in a short period of time, grown into a solid foundation for long term collaboration, technological progress, and a stronger connection with the local Finnish industry.

For some time now, the Finnish market has been in need of a partner who looks beyond standard hardware or simple system integration. Valk Welding Finland was established with exactly that purpose: to provide companies with futureproof solutions that fit within complex production environments. Not through one-off implementations, but through sustainable, technology driven cooperation.

For Valk Welding, growth is never a goal, but rather the natural result of “doing the right things”. The response from the Finnish market has exceeded all expectations. What was intended as a steady start rapidly developed into strong growth, driven by both medium sized manufacturing companies and major industrial players.

From integrator to technology partner

The rapid rise in Finland stems from a fundamentally different way of working. Valk Welding does not position itself as a traditional system integrator, but as a technology partner. This means:

- Experts in the welding process and build our automation solutions on that DEEP process knowledge — not the other way around.
- Advanced and first time right offline programming.
- Seamless integration of software and production processes,
- High quality robotic solutions suitable for modern industrial challenges.
- Delivering everything from a single source and fully supporting our customers from A to Z throughout the entire project.

While some providers focus on individual projects, Valk Welding views the customer’s needs as one complete ecosystem: how to develop, optimise, and ensure production in the long term. Valk Welding deliberately chooses to work with companies that believe in a sustainable relationship: The strong connection. In doing so, the company continues to build on the successful model proven across Europe.

During its first year of operation, Valk Welding Finland has gained the trust of several companies, including the family-owned company Mantsinen, a manufacturer of large material handling machines. Mantsinen’s factory is located in Eastern Finland, in Ylämylly.

Internationally operating contract manufacturer Hanza Mechanics, specializing in mechanical engineering and electronics, has also selected Valk Welding as the supplier of its new robotic welding stations. Hanza’s deliveries include turnkey solutions covering welding fixtures and robotic welding programs. Hanza has factories, among others, in Joensuu and Oulainen.

In addition, several subcontractors, contract manufacturers, and machine and equipment builders have chosen us as their partner, trusting Valk Welding to solve their welding automation challenges.

“The future looks very promising for Finnish manufacturers and for Valk Welding Finland.”

Local presence expanded at speed

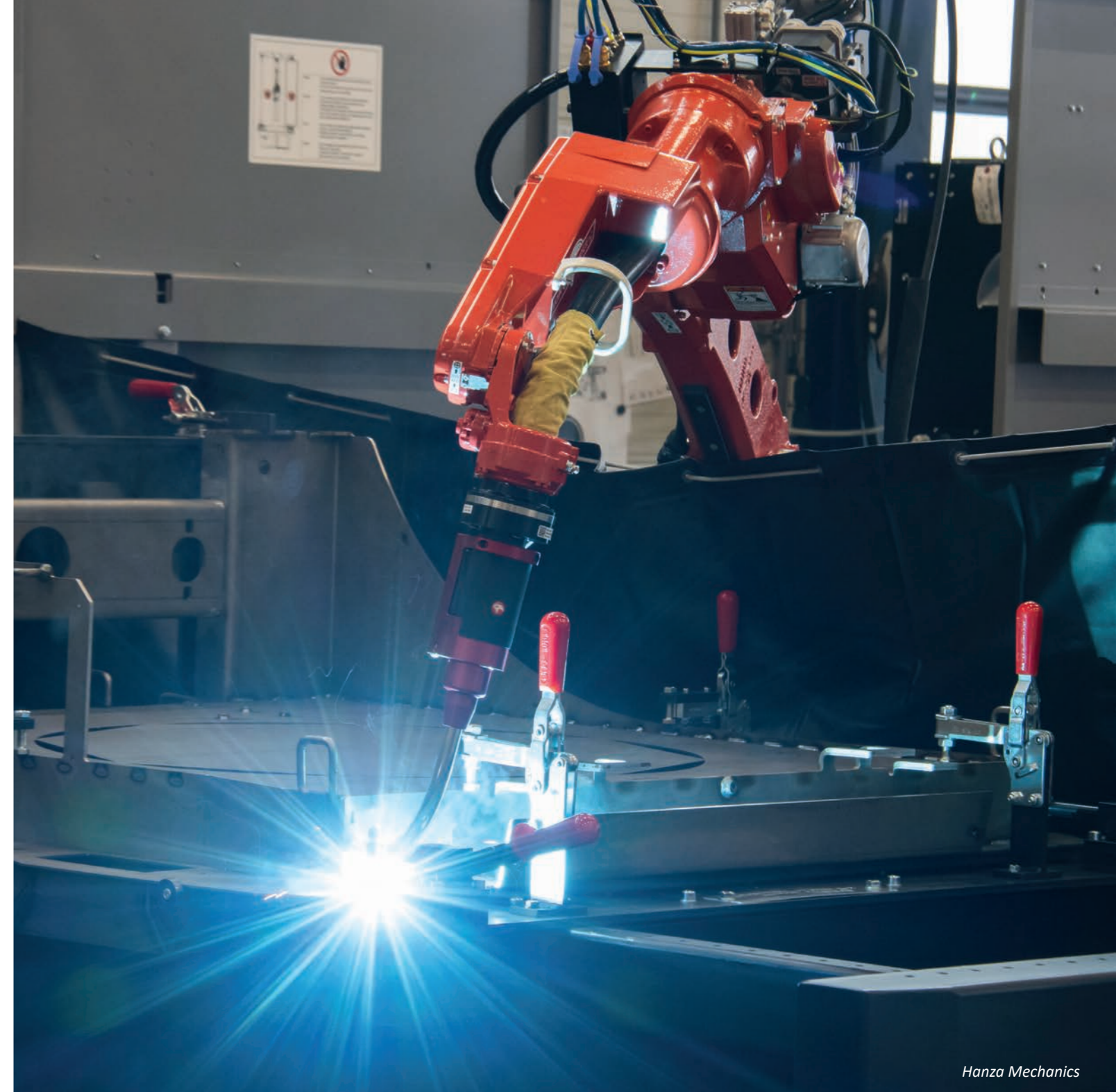
Due to rapidly increasing demand, Valk Welding is now accelerating its investment in its own facility in Finland. This new location will serve as a complete hub, including:

- Local sales and technical support.
- A wide range of spare parts and welding wire for fast interventions.
- A modern Technology Centre for training and demonstrations.

This aligns seamlessly with the need for fast response times, support in the local language, and physical proximity — aspects that are essential for Finnish customers.

A growing team with a focus on quality

The team in Finland has already doubled and continues to grow. One clear principle applies: investing in the right people. The foundation of our Finnish team — with Samuel Karjalainen, Teemu Rusi and Jyri Luhtio— consists of renowned, best-in-class names from the Finnish metal industry. This selectivity ensures that the high level of quality and reliability for which Valk Welding is known throughout Europe is fully guaranteed in Finland as well. The Finnish subsidiary is supported by decades of experience, knowledge sharing, and collaboration within the entire Valk Welding Group.



Hanza Mechanics

The power of robotic welding automation

In an industry that is facing a global shortage of skilled welders, robotic welding automation provides a solution that has become indispensable.

Valk Welding systems are robust, modular and designed with a strong focus on flexibility and long-term reliability. They combine smart integration with user-friendly operation, making automation accessible and scalable for a wide range of production environments.

What truly sets our solutions apart is their unprecedented flexibility. Our systems are capable of handling even single-

piece production efficiently — pushing the boundaries of classical robotization and redefining what automated welding can achieve.

For Finnish manufacturing companies, this represents a crucial step towards future-proof production.

Valk Welding Finland is growing on a foundation that is both strong and sustainable: a combination of national and international expertise, local commitment, high-quality technology, and the strength of The strong connection.



The strong connection

Let's connect at shows

Welding Week
19.05 - 21.05 (BE)

Alihankinta
29.09 - 01.10 (FI)

Expowelding
13.10 - 15.10 (PL)

Elmia Automation
19.05 - 22.05 (SE)

Welding Week
01.10 - 03.10 (NL)

Euroblech
20.10 - 23.10 (DE)

Sepem Brest
02.06 - 03.06 (FR)

MSV Brno
06.10 - 09.10 (CZ)

Journée du Metal
03.12 (BE)