



VALK WELDING OPENS ESTABLISHMENT IN FRANCE

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This summer Valk Welding officially took its first establishment in France into use. Having served the French market for 10 years from the Nantes, Belgium region and with support from the Netherlands, Valk Welding decided that the time was right to set up its own subsidiary in France. This step is justified by the fact that in recent years 15% of the Valk Welding group's turnover in robotics has been generated in France,



and the number of project applications is continuing to rise year-on-year. By opening its own location Valk Welding is looking to further consolidate its presence, performance and direct customer contact on the French market.

With its extensive specialist knowledge and highly profitable solutions in the area of automation solutions Valk Welding has already occupied a leading position in various other European countries. Valk Welding has thus succeeded in making small series and even single pieces profitable. Valk Welding stands out for robot integrators that focus on large series production, especially in the automotive industry.

Among the hundred or so invitees, including Mr Desessart, mayor of Lacroix-Saint-Ouen, were Takuya Kiyose, Director of **Panasonic** Welding Systems in Japan and Mr Yuji Yamashita, President of **Panasonic** Factory Solutions Europe.

REMCO H. VALK:

FOCUS ON SMALL AND MEDIUM-SIZED COMPANIES

With branches in Denmark, Belgium and the Czech Republic, Valk Welding is particularly active in northwest Europe and part of eastern Europe. Last summer Valk Welding opened their new subsidiary in northern France and others will follow in Germany, Poland and other European countries. "In all these countries we focus mostly on small and mediumsized private businesses", explains CEO Remco Valk. "Our welding robot systems are suitable for the flexible production of small to medium-sized runs. Programming and the development of customer-specific software play a central role in this."

With its roots in the Benelux countries and since 1978 active in robotics, Valk Welding is used to working with customers who need a relatively limited production run. "It is", says CEO Valk, "our job to solve our customers' problems or to work with them to find the best solution. For this reason we are flexible and we realise that there is a demand for this in small and medium-sized companies."

Remco Valk: "For this reason we started a subsidary in North France. Valk Welding can more effectively serve our growing Northern France non-automotive customer base with robotic automation from this new subsidiary. Over the past 15 years robotic companies and systems integrators in this region have focused primarily on high volume automotive manufacturing largely ignoring the needs of small and medium size companies. Our special focus is on this group of customers who create a solid and constant market in the welding industry"

"We believe we can transfer our know-how and experience to this market segment. Based on the experiences gathered since 2002, the year we started our first activities in France, we see that France is open to our different, but personal approach. Our sales activities in France will expand using our present network of customers and partners. Our main focus in the next few years will be our facility, technical staff and customer growth efforts in LaCroix Saint Ouen. We expect to grow our employee base here by 10 to 15 persons in the next five years. This is the same growth rate as we experienced in our Czech subsidary which was started in 2004."

"IT IS OUR JOB TO SOLVE CUSTOMER PROBLEMS AND WORK WITH THEM TO FIND THE BEST SOLUTION"

FOURTH HALL FOR ROBOT ASSEMBLY

The first stone is due to be laid for the construction of a new assembly area for Valk Welding at the industrial site in Alblasserdam. In the new hall, which has a surface area of 1,700 m², Valk Welding will be assembling welding robot systems as in the existing halls. This will increase the overall assembly capacity to approx 5,000 m²

The new (4th) hall is needed to absorb the growth in the number of foreign and domestic orders. Remco Valk: "As well as welding robot systems on H and E frames, the number of large welding robot systems on gantry structures will continue to increase. In order to build this up we have been forced on a number of occasions to turn down orders because of the delivery time. The new hall will create a structural solution to this problem." The new hall is due for completion next year.



arc eye

WELDING SEAM MONITORING WITH ARC-EYE LASER SENSOR,

HIGHLIGHT AT S&S 2013

Valk Welding presented itself to the European welding industry at the trade fair Schweissen und Schneiden as the system solver for flexible welding automation. Welding robotisation for small numbers in large size variations is one of the areas in which Valk Welding stands out from most welding robot integrators. Valk Welding has thus occupied a leading position by extensively automating the programming, for example. The company has a strongly manned software department for this purpose.



The developmental strength of Valk Welding is illustrated by the Arc-Eye welding seam monitoring system, which was demonstrated live on several welding seam types. With this laser sensor Valk Welding has developed an innovative solution that precisely guides the welding robot along the welding seam. Laser sensors are the only systems that are able to follow the welding seams during the welding process in real time, are not affected by welding light and can therefore be mounted in the vicinity of the welding torch and welding arc.

The Arc-Eye takes a low-reflection 3D image of the welding seam with a single scan and without being adversely affected by reflections. Used on **Panasonic** welding robots, the Arc-Eye determines the route of the welding robot itself rather than this being done by the robot controls. The Arc Eye sensor provides the precise offset which means it's the most accurate welding seam monitoring system currently available. Valk Welding demonstrate the high precision result on the basis of various types of welding seam, with the audience itself being able to change the position.







As well as the Arc-Eye laser sensor weld monitoring system, Valk Welding demonstrated a concept in an E frame setup, in which a welding robot operates two operating stations on a longitudinal rail placed parallel to each other. Compared to a system with a turntable or Ferris wheel setup, the utilised floor space is over 30% less. Also, with a longitudinal movement the welding robot can always be programmed into the best welding position in relation to the work piece, which guarantees optimum welding quality. See also www.youtube.com/valkwelding

WELDING THICK, HEAVY PLATE SECTIONS

THICK PLATE TECHNOLOGY SIMPLIFIES Multi-Pass Welding

In close consultation with Panasonic Welding Systems, Valk Welding has developed specific technology for the multiple layer welding of thick, heavy plate sections using Panasonic welding robots. This Thick Plate technology is based on a combination of welding seam detection and specific Thick Plate welding technology software. Thick Plate software used in combination with Valk Welding's laser sensor welding seam detection makes it possible to closely monitor the welding parameters (WPS) during production.

When joining thick and heavy plate sections situations often arise where there are large tolerance differences and where big cracks form owing to the uneven, imprecise connections that have to be filled in several layers. Because of the big differences in the welding seam preparation, manual programming calls for a large number of teaching points, which makes the process very time-consuming. The use of Thick Plate software makes it possible to use fast search macros and gas head and laser sensor technology to quickly and easily establish the product tolerances. By detecting only the first layer, the software automatically builds up all of the layers. The use of Thick Plate software thus makes the entire programming process a good deal easier and may also make it possible to directly correct tolerance differences in the welding programmes during production. Welding parameters can be easily registered beforehand by carrying out test welds.

Online programming: limited returns

In heavy industry most welding robot systems are programmed online, which can easily take a couple of weeks for each product. During all of that time the welding robot is out of production, which results in these relatively expensive systems having low returns. Also, online Thick Plate technology plays an important role in welding robot applications for the construction of digging machinery, steel structures and heavy transport. With the Thick Plate technology Valk Welding has since installed several welding robot systems for thick, heavy plate sections at companies including VOP and Huisman in the Czech Republic and China, Caterpillar Nederland, Victor Buyck in Belgium and the Danish Sjørring Maskinfabrik.

programming is less precise with regard to stick out control, which reduces the WPS reliability. Offline programming is not subject to these limitations and makes it possible to write welding programmes outside of production based on 3D CAD product data. For this purpose Valk Welding uses Panasonic's programming and simulation software DTPS, in which the Thick Plate software is added as a plug-in.



A pendulum movement and constant arc length measurement make it possible to have the stickout and the width tolerance taken up in real-time by the Thick Plate Arc-Sensor in combination with adaptive weaving.

DENMARK

SJØRRING MASKINFABRIK DEPLOYS THICK PLATE TECHNOLOGY

Since the beginning of this year Sjørring Maskinfabrik in Thisted has been using a fully automated welding robot system to weld components for goods such as Volvo digging machinery. The system consists of an X, Y, Z displacement of 5,000, 3,500 and 2,000 mm respectively. The working area of this robot system contains an L-shaped product manipulator with a maximum load of 5,000 kg. The robot system is equipped with a Panasonic TAWERS welding robot featuring Thick Plate software. Thick Plate software makes it very easy to use multiple level welding technology, which minimises the programming of this welding robot system. Using the welding robot TA 1900 WGH (450 Amp. at 100% arc duration) makes it possible to achieve cycle times of 6 to 8 hours without any difficulty.



SJØRRING MASKINFABRIK A/S

SWITCH TO OFFLINE PROGRAMMING

Sjørring Maskinfabrik, which has 10 years' experience with similar welding robot systems, has succeeded in reducing the programming time by more than 60% by using the Thick Plate software in combination with the DTPS offline programming system. Also, the "touch up time" (corrections to the programs written offline) has been reduced to 0. As a result of this Sjørring Maskinfabrik has quickly been able to write several programs of its own for this welding robot system, which - just six months after being delivered - is fully automatically welding a wide range of products, and the arc duration of the welding robot is much longer than previously owing to the offline programming.

Single piece production

Sjørring Maskinfabrik sets strict flexibility requirements for the new system. The most important requirement was also to be able to weld single piece items with the welding robot. That is why an automatic product delivery and removal system has also been chosen in addition to complete offline programming. Product pallets for a wide range of products are placed in a fully automated warehouse in the direct vicinity of the welding robot system. That makes it possible to automatically load and unload products with an overall weight of over 5,000 kg from the working area in the robot system. The accompanying welding programme is automatically linked to the work piece being welded. www.sjm.dk



KUIPERS BLECHTECHNIK TAKES NEXT STEP IN HIGH TECH PRODUCTION WITH WELDING ROBOTISATION





WELDING ROBOTISATION SUPPLEMENTS HIGH-TECH SHEETMETAL PROCESSING

When one of Germany's most modern plate processing companies takes the step towards welding robotisation, it chooses not only the best technology but also the supplier that best meets its requirements. Kuipers Blechtechnik in Meppen (Emsland) has purchased a second Panasonic welding robot from Valk Welding. Now well known in that region: the system has been in full production since the middle of this year. What has the partnership yielded?

MICHAEL KUIPERS: "WITH A SUPPLIER IT'S MAINLY ABOUT THE SOFT SKILLS"

KUIPERS

Based on craftsmanship and continuous investment in innovation product technology Kuipers Blechtechnik has increased its turnover by a factor of five in five years. With 270 employees and 18,000 m² of production space Kuipers Blechtechnik is among the bigger plating suppliers. Since Michael Kuipers took over the management of the company as the 4th generation, arc welding has come more to the fore in addition to the production of semi-manufactures. At that department alone welding is still carried out manually by 80 people, with Kuipers standing out as a specialist in aluminium welding. Kuipers Blechtechnik is certified in that area and delivers its products in accordance with the ENC 90 standard. The way Michael Kuipers sees it, welding robot robotisation should be a good match for high-end plate processing technology.

Step to welding robotisation

As welding specialist (SFM/IWS) Michael Kuipers knew exactly which criteria a welding robot had to meet. First, the welding robot has to be quickly and flexibly deployable, contain as few components of other brands as possible, the offline software has to be in keeping with the company and its vision and must be easy to use. Michael Kuipers: "With a supplier it's mainly about the soft skills: are you being taken seriously as a client, does it click with the people working there, do they speak your language, how is the service organised, and are spare parts quickly available?" At the end of the day the deciding factors for choosing **Panasonic** were the high speed of the Panasonic TA series and the fact that all of the components were produced by the same manufacturer.

Periphery more important than welding robot

"Although Panasonic offers the best and fastest welding robot for arc welding, all welding robots are basically able to get the job done. Looking back, the differences are found mainly in the periphery. **Panasonic** focuses mainly on the automotive industry and less on the small and medium-sized business sector. Panasonic also works on the assumption of a larger amount of basic knowledge, which our employees did not have. In that respect we needed more support in the form of an in-depth basic course and knowledge. Our contact Jörn Lota, who has already been working for Valk Welding for some time, was able to provide us with that support. They offered us training, including a course in DTPS offline programming, partly in Alblasserdam and partly at our own premises. That way we'll quickly get the hang of the process", says Michael Kuipers.

Everything adapted to the Valk Welding standard

A second system was ordered from Valk Welding straight away. Michael Kuipers: "The **Panasonic** TA 1800 welding robot, mounted on an E-frame and two 3×1 m stations also included a welding torch with automatic breaking, calibration software and the Quicktouch wire location system for welding seam validation. There is also a Wire Wizard wire feed system that made it possible to place the drums of welding wire next to the system. These are all components with which Valk Welding stands out from the rest, and thus facilitates a reliable and





high quality process. For that reason we immediately had the originally delivered Panasonic system converted with these components. Both systems are now reliable, identical and highly productively structured".

Varied applications

As a supplier the company deals with a very wide range of products for sectors such as solar and wind energy, agricultural machinery, housings, instrument building and general machine engineering. Kuipers Blechtechnik now uses the two welding robot systems mainly for large series and for complex work pieces. Michael Kuipers: "There is a trend in the direction of smaller and smaller numbers, which makes it necessary to quickly change the welding jigs. The idea is to finish the welding of more and more products with the welding robots, and we want to be able to weld all product sizes. A welding robot with a small clamp table for small work pieces is therefore on our wishlist. But at the moment we do not have enough space for extra welding robot systems. The approach with Valk Welding's welding robot systems makes it possible for us to operate more quickly and proactively as a general supplier.

Experiences

Michael Kuipers: Our decision to continue with Valk Welding as our welding robotisation supplier/partner was a good one. "Can't be done" is not in their vo-cabulary. The references that we consulted here in the region all reflect the same favourable experiences."

A point that Kuipers had failed to take sufficiently into account was the large number of welding jigs. "Storing them takes up far too much space. The question of whether or not to build a jib is now increasingly becoming the factor that determines whether we will finish the welding with the welding robot. Other than that, we are now only welding with the MIG/MAG process. We use TIG welding for a product if that is what a customer wants. The power supply for the **Panasonic** TA is set up for both processes, which is another advantage of the Valk Welding and Panasonic combination."

Staying ahead

Kuipers notices that the competition from Eastern Europe is based mainly on large series. "That's why we're concentrating on the small to medium-sized series, on short delivery times and on high precision plating products. To response quickly and flexibly to market demand we'll need to continue to invest in the latest production technologies. We now have sufficient capacity for cutting, punching and edging technologies. We are planning to invest more in staff training and extending our service to assembly, so that we can supply the housings in completed form. That is a market trend that we have to follow." www.kuipers-metall.de

Partnership Is key

Technical director Adriaan Broere has been involved in the development of Valk Welding as a welding robot integrator at European level for almost two decades, and has personally made a substantial contribution to this. That makes him the right person to ask how he sees the market developments and the role expected of the supplier in those developments. He believes that the relationship with the customer plays a very important role.

Adriaan Broere sees it confirmed time and time again that customers want to build an ongoing customersupplier relationship. "Customers have a need for a supplier who puts himself in their shoes, provides top level support, communicates intensively and empathises with the customer's product. This results in coming up with the best solution together, in such a way that the supplier can switch flexibly and the customer doesn't waste any valuable time."



Market development

The rapidly ageing population means that we will have to keep industrial production at the required level despite the declining numbers of technicians. Not just in Europe: China is having to contend with this problem, too. The solution is to automate production.

Technical differences are getting smaller

In today's market technologies are getting more and more similar. "Most robots built for laser solutions are now doing the same trick. Although it has to be said that Panasonic still stands out for being a single complete system for arc welding applications. Ultimately it comes down to the question of how the customer wants to apply that trick at his own company. That calls for intensive communication and high-end support from the supplier. Putting the customer first



Adriaan Broere: "Putting the customer first and working together on an ongoing relationship comes naturally to us. Partnership is key"

 and working together on an ongoing relationship comes naturally to us. Partnership is key," says Adriaan Broere.

The strong connection

"We are a family firm with strong ties between the owner and the personnel. Valk Welding as a group is the link between many suppliers, working together on a total solution for the customers by connecting the materials that they produce. For some years we have also had close ties with education with a view to investing in new talent that we hope will become our colleagues or customers, or, inspired by our people and equipment, will opt for technical subjects.

Total concept

Adriaan Broere: "We supply total concepts according to the "all-in-one" principle based on the Panasonic welding robot, in which the welding machine is integrated in a powerful robot control. But simple software for robot programming, both online and offline and with the integration of our own software solutions, torches and Arc-Eye welding seam monitoring systems also form unique components of the total concept."

Short response time and high-end support

Valk Welding's organisation responds in many areas to its customers' need for optimum support. This comes down to short response times and high-end support. Adriaan Broere: "This includes aspects such as operator training, software support and regional service throughout Europe. We also offer our customers a full service with a comprehensive range of welding materials, personal protection equipment and wire transport systems. And with ADK technology we provide solutions for welding automation without robots. Our customers come to us for the big picture, which is why they generally talk about a Valk welding robot rather than a **Panasonic** welding robot."



WELDS COMPLET WELDING ROBOT



WELDING ROBOTS LEADING FACTOR FOR THE REST OF THE PRODUCTION PROCESS

Last year the tank and machine engineering company GEMS in Vorden, Gelderland (NL) completed a rigorous conversion from manual to robotised welding. At first glance that was a logical step for a company that spends 80% of its hours on welding. But GEMS has adapted its entire organisation at various levels for this. "Our company has undergone a complete change in two years", explains director Jan Grasmeijer. GEMS now welds both separate components and complete tanks with welding robots, and robotised welding has been fully integrated in the production process. Valk Welding built and installed the systems, trained the company's staff and guided the tank builder through the entire process.

With its specific area of expertise GEMS is anchored in the market for high-volume products. The company is the European production partner for an American company that rents out mobile cleantanks. Stable growth in the numbers made it possible to invest in a robot system.

Managing director Jan Grasmeijer: "If you try to do that with manual welders in 3 shifts it isn't possible to guarantee consistent quality. That was the time for us to make a serious start with robotisation. It isn't hard to buy a welding robot, but incorporating it in the organisation in such a way that it pays dividends as soon as possible is a different matter altogether. Valk Welding provided us with optimum support throughout the entire process."

NEDERLAND



15 metre gantry, with a 3 m cross beam at right angles to it. This is fitted with a height displacement of 2.5 m unde r which the robot is mounted. That makes it possible for the robot to reach the entire product. The whole system was delivered on a turnkey basis, including the program for a single type of storage tank and programming training for 3 employees. Valk Welding also converted a Cloos robot system with a **Panasonic** welding robot to raise productivity."

Positioning without clamping

The large storage tanks are placed on the ground and tipped with the crane to ensure that the welding robot can complete all positions in the right welding position. Alex Hol: "This kind of volume is just a bit too big and heavy to manipulate. But this is another costly aspect, so we decided to place the tank in front of the welding robot with a tolerance of \pm 10 cm. This does of course have implications for selecting the position. That is why we first have the welding robot locate the right position of the welding seams with the welding wire and gas head. The deviations from the programmed positions are then automatically corrected in the welding program and the welding robot can start work. A storage tank can now be completely welded inside and out within 14 hours, whereas it took more than 40 hours to do this manually.

Already up to standard after just 3 months

Jan Grasmeijer: "Since we had already trained a number of employees with the Valk Welding system well beforehand, the engineering had switched to 3D and we had already tackled the logistics, we were able to produce the desired production numbers on the welding robot within just 3 months. The entire welding robot process is now fully integrated throughout the organisation. We are now making the storage tanks in several versions. A prototype for a new tank model is now being completely manually welded. We'll be using the welding robots for this as soon as the orders for several articles follow. In the meantime another six employees have been trained to use the welding robot and this might raise our productivity to an even higher level." www.gems.nl



"WE WERE ABLE TO PRODUCE THE DESIRED PRODUCTION NUMBERS ON THE WELDING ROBOT WITHIN JUST 3 MONTHS"

From rigid to flexible

Technical director Rik Grasmeijer: "We'd already had a Cloos welding robot for some time, but that only knew one trick. We had to contact the supplier for each change or new programme. That isn't how we wanted to set up our automation processes. A robot should form part of the process. That is why flexibility was the most important aspect and the output of the welding robot had to be the leading factor for the rest of the production process. That sets stricter requirements for the overall logistics, for your suppliers and for the quality of the work preparation. But if, like us, you start with flexible welding robotisation at a later stage, you can tackle this from the basis straight away. The Valk Welding welding robots are now programmed offline, and we use the CAD data from engineering as the starting point." The welding programmes are written 1 to 1 on this basis for the Valk Welding robot systems.

Tank of over 70 m³

GEMS has started with welding automation for the most high-volume product: the storage tanks measuring over 11 x 2.5 m with a height of 3.7 m. Technical advisor Alex Hol of Valk Welding, who oversaw the project from start to finish: "Perhaps not the most obvious choice to start on such a large scale, but that is the product that involves the most welding hours. For that we supplied a welding robot with a

VALK WELDING HELPS YOUR WELDING Robots Excell





Customers appreciate the successful deployment of the Valk Welding welding robot systems both for their technical perfection and the support provided. This is clear from the responses of customers. That technological perfection is partly down to the fact that Panasonic exclusively builds arc welding robots, and develops all components under its own management. As a result of this the power supply, robot controls, wire drive and software are perfectly geared to each other and all of the components communicate together flawlessly and at high speed. As the world's biggest independent buyer of Panasonic welding robots, Valk Welding, in close consultation with Panasonic Welding Systems Japan, has made a substantial contribution to optimising the systems for flexible production purposes. This degree of usability can be attributed in part to the calibration of the robot and the entire welding robot system. The welding robot torch with pneumatic breaking, wire searching (Quick Touch) and laser sensor guided welding seam monitor (Arc-Eye) are unique items that have been exclusively developed by Valk Welding. That is where the welding robot systems of Valk Welding stand out from systems built by other Panasonic dealers. Valk Welding invests constantly in the development of these components in order to raise its systems to the highest level of technology.

WIRE FEED OFTEN UNDERRATED

Despite the fact that Valk Welding has its welding robot systems meet the strictest technological requirements, maximum returns are not achieved in all cases. This is often the result of a malfunction in the wire feed. In most cases these faults can be effectively solved by using the Wire Wizard wire transport system. The Wire Wizard programme consists of a wide range of components that are used to smoothly guide the welding wire from the drums and reels to the welding robot.

The programme is built around the patented Wire Wizard cables, which make it possible to feed the welding wire without friction from the drum or reel to the welding robot in such a way that the wire motor on the welding robot is burdened as little as possible so that the wire is fed as smoothly as possible. Wire Wizard components are used not just by Valk Welding customers, but these days also by fellow-integrators both at home and abroad. The interest shown by large accounts such as Volkswagen, Magneti Marelli, Kirchhoff, etc., underline the fact that the use of these components leads to increased productivity and a reduction in maintenance costs.



WIRE FEED OVER LARGE DISTANCES

The advantage of the friction-free Wire Wizard cables is that the system also makes it possible to bridge larger distances between the drum and the welding robot. At the workplace this means that the heavy welding wire drums no longer have to be placed close to the welding robot, but can be situated where they can be reached most easily by a forklift truck. Wire Wizard features a cone with a drive assister that is placed on the drum. Drive assisters are available in both pneumatic (PFA) and electrically driven models.

ADVANTAGES

- Eliminates friction on the wire in bends and corners during transport
- Makes it possible to bridge large distances of 30 metres or more
- Increases the life cycle of the cable
- Better and cheaper alternative to existing systems on the market
- 3-year guarantee



Modules for short bends

Pneumatic Feed Assistant (PFA).

The new Wire Guide Modules of Wire Wizard also make it possible to smoothly transport welding wire in short bends from the drum to the welding robot. The system consists of a basic Wire Guide Module of 45°, in which the wire is guided along bearing rollers without any friction being generated.

0 m

Welding wire can be supplied over a greater length with

deployment of the friction-free Wire Wizard cables and

The use of bearing rollers in the Wire Guide Module makes it possible to transport the wire with the same force over greater lengths from the drum to the welding robot or other welding applications. It also makes it possible to place the welding wire drum in a place where it can easily be reached by a forklift truck.

The 45° modules can be connected to bends of 90°, 135° and 180°.

For info, email Peter Haspels: info@wire-wizard.eu

PREVENT FAULTS CAUSED BY WELDING WIRE

Parameters such as the wire feed speed and the speed of the robot are geared to the specific composition of the welding wire. If that composition changes, the parameters have to be changed accordingly. These adjustments have to be carried through in the programme and that is done at the expense of production time. If cheap welding wire without a consistent composition is used, the welding quality may deteriorate as soon as during the process. The result? A product is rejected or has to be repaired.

Valk Welding wire of consistent quality

Valk Welding is one of the few suppliers in Europe that purchases all of its welding wire from the same supplier. Valk Welding even



supplies a premium quality product with a consistent composition, which minimises the chance of faults during robot welding processes.

Torsion free unwinding

Valk Welding welding wire in drums is wound in such a way that absolutely torsion-free unwinding can be guaranteed. This limits wear on the contact tip, speeds up the feed velocity and raises the precision of the wire positioning.

Single point of contact

Apart from the fact that process disruptions can be greatly reduced by using welding wire with a consistent composition, the question arises of who is to be held account when faults occur. The welding wire supplier or the welding robot integrator? Customers who also use the welding wire supplied by Valk Welding have a single point of contact in such cases.

Wide range of Valk Welding welding wire

Valk Welding supplies a wide range of solid MIG welding wire under its own label, from SG2, SG3, Alu, stainless steel to nickel allow, available on reel and in drums. Valk Welding also supplies TIG welding rods in the most commonly used steel, aluminium, stainless steel and nickel allow metal types and in various diameters. The Valk Welding TIG welding rods have AWS coding on two sides and are supplied in a 5 kg hardboard packaging.

VALK WELDING DK READY FOR FURTHER GROWTH IN SCANDINAVIA



The projects that Valk Welding has successfully completed via its own establishment in recent years in Denmark have enabled the company to build up a very good reputation in the Danish metal industry. This has led to the arrival of new customers and further orders for welding robot systems being placed by existing customers. Extensive knowledge and experience of welding robotisation and the ability to flexibly set up production by means of offline programming are the main reasons for choosing Valk Welding. A number of new employees were recently taken on to absorb the growth on the Danish market and extend the activities to the rest of the Scandinavia market.



Marcel Dingemanse Branchmanager



Rene Hedegaard Hansen Programmer/Technician



Anders Rømer, office sales



Allan S. Nielsen, technical adviser

Employees of Valk Welding DK A/S:

Martin Rømer, Programmer/Technician



Michael Hansen, robot technician

Welding wire directly from stock

Valk Welding DK now supplies all of the most commonly used welding wire types directly from stock at its establishment in Nørre Aaby. That means that customers receive their orders within 24 hours. Special types are supplied from the main establishment in Alblasserdam.

Valk Welding at Swedish trade fair

To meet the demand for flexibly deployable welding robot systems in the rest of the Scandinavian market and to make use of the growth potential, Valk Welding will be further extending its activities to Sweden. Next spring Valk Welding will therefore be presenting itself for the first time at the trade fair Elmia Svets 2014 in Jönköping, Sweden.

TRADESHOWS AND EVENTS

TOLEXPO 2013 Paris, France 19-21 November 2013

METAPRO NETWORK EVENT

Kortrijk, Belgium 05-06 February 2014

INDUSTRIE PARIS 2014

Paris, France 31 March - 4 April 2014

TECHNI-SHOW 2014

Utrecht, Netherlands 11-14 March 2014

ELMIA SVETS 2014

Jönköping, Sweden 06-09 May 2014

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