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Consumables for the welding industry



Valk Welding high-grade welding wires

As one of Europe's largest independent suppliers of solid welding wire, Valk Welding supplies welding wire at a consistently high robot quality at a competitive price.



Valk Welding Solid MIG welding wires TIG welding rods

- Steel
- High-tensile steel
- Stainless steel
- Aluminum
- Nickel alloys
- In drums and on spools, in various diameters

Why Valk Welding welding wire?

- Robot quality
- Absolutely torsion-free unwinding
- Certified
- Available from stock
- Customer-specific logistics solutions
- Outstanding product knowledge

* AWS coding

Valk Welding TIG welding rods have AWS coding on two sides and are supplied in a 5 kg hardboard packaging.

* Sustainable

For sustainability reasons, Valk Welding wire is supplied in fully recyclable cartons and drums. The welding wire is spooled and filled in such a way that absolutely torsion-free wire unwinding is guaranteed. This limits wear on the contact tip, reduces drag in liners and raises the accuracy of the wire positioning.

* Certifications

Technischer Überwachungsverein (TÜV), Deutsche Bundesbahn (DB), Det Norske Veritas (DNV), Germanischer Lloyd and CE marking.

- Steel
- High-tensile steel
- Stainless steel
- Aluminum
- Nickel alloys

What customers say about our welding wires

• Aluminum welding wires



“Since 2007 we have been using aluminum welding wire from Valk Welding on all our welding robots and welding machines, and this to our complete satisfaction!”

In addition to the good, consistent quality of the product, we are extremely satisfied with the service, quick delivery and problem solving by Valk Welding.”

Patrick Hugelier
STAS NV



• Stainless steel welding wires



“Since 2010 we use stainless steel welding wires from Valk Welding. The good, very constant quality has proven itself over the years so that

adjustments in the welding parameters are really limited to a minimum.

Valk Welding keeps this specific welding wire in stock for us in its warehouses in Alblasserdam, which we can immediately ask for in case of emergency.”

Peter Looy
DEJONG Gorredijk B.V.



• Steel welding wires



“The first tests with Valk Welding wire immediately showed that the unwinding was better than we were used to, which virtually eliminated all faults.”

Rainer Nau
Clemens GmbH



• Nickel alloys welding wires



“We have been using the welding wires from Valk Welding since 2009 to our full satisfaction!

In addition to the great, consistent quality and performance of the welding wire, it is primarily the overall service and unburdening by Valk Welding that we believe is unique in our very unpredictable market.

Our company performs automated weld overlay using specialized automated welding machines, so it is especially critical that we have a very high quality and reliable and consistent product to achieve our required weld overlay standards.

Within a number of projects, we have been able to conclude that the impossible was made possible by Valk Welding and we will continue to use their excellent services!”

John Petticrew
Sulzer Chemtech (UK) Ltd



• High-tensile steel welding wires



“The unwinding is better and there’s less projections than we were used to, which reduces errors and rework.”

Lesley Laenen
VTS Track Solutions



New: Valk HD Super/V3L-5

In response to increasing demand for welding wire for very intensive use, mainly for welding heavy constructions where multiple layers are required, Valk Welding has developed a new wire in cooperation with its supplier.

- Increased manganese content
- Excellent feeding
- Stable, focussed welding arc
- Largely reduced projections
- Better branding
- Fast-releasing silicates

Over 650 tons of welding wire a month

Valk Welding supplies over 650 tons of welding wire a month to companies in sectors including machine construction, transport industry, agricultural and vehicle industry, the automotive sector and many others.

Fast, reliable delivery

Valk Welding delivers most consumables from stock, where possible within 24 hours, from Valk Welding’s logistic centres in the Netherlands, Denmark, France and the Czech Republic.

Valk Welding welding equipment

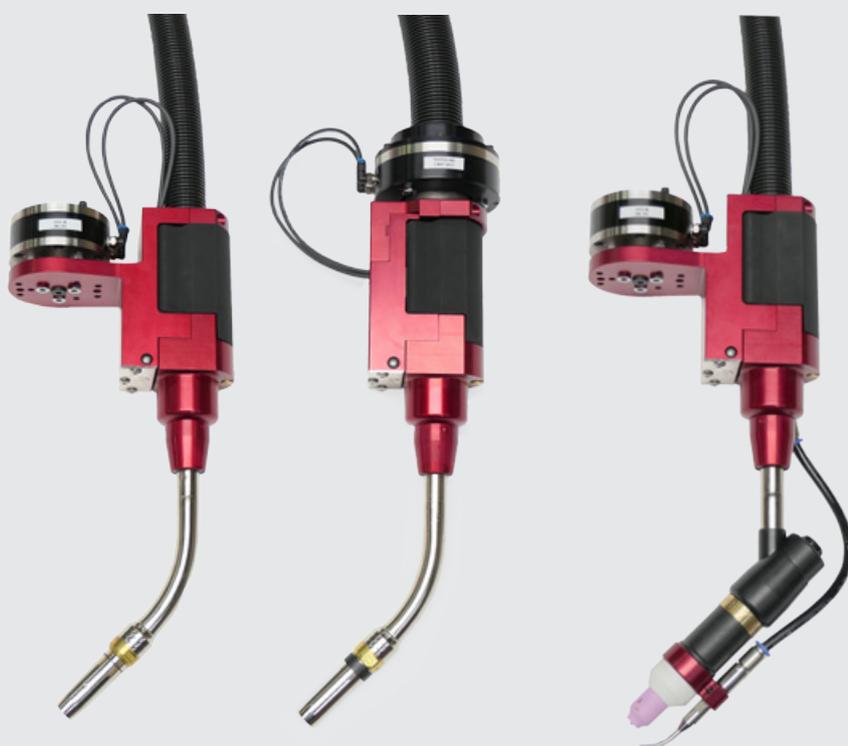
Valk Welding develops and produces its own VWPR robot welding equipment, specifically designed for higher cycle times achieved on Valk Welding robotic installations.

VWPR welding equipment

- Calibrated and interchangeable
- 100% duty cycle
- Pneumatic shock sensor
- Quick-change gooseneck
- Available in gas and water cooled version
- In-house development and production
- Consumables available from stock

Quick Exchange cable assembly

- Valk Welding QE cable assemblies are ideally designed for intensive use of the fastest welding robots on the market
- The Quick Exchange coupling makes the Valk Welding QE cable assemblies easy and fast to exchange (3 minutes)



No recalibration required

When changing the torch, there is no need to recalibrate the robot or modify the programs.

Wear parts available from stock

All wear parts, gas nozzles, current cables, insulators and coils for the Valk Welding equipment are available from warehouses through Europe within 24 hours.

Robot torch spare parts case

- For MIG/MAG, TIG and Aluminum
- Torch and liners
- Complete set wear parts



Repair service for welding torches

Malfunction, breakage or wear?
Contact our service department for professional repairs.

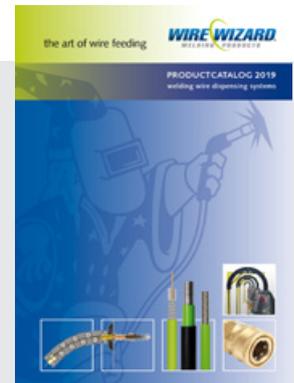
service@valkwelding.com

Trouble-free Wire feeding

To ensure a friction-free feeding of welding wire from drum to the welding robot, Valk Welding supplies the complete range of Wire Wizard wire feeding products. This Wire Wizard program offers a solution that enables you to connect any type of welding packing to all brands of feeders (robots). With the patented wire feeding conduit, the Pneumatic Feed Assist and the Wire Guide Modules, Wire Wizard ensured a low-friction transport of the welding wire which is a crucial part of the system.

Wire Wizard welding wire feed systems

Wire Wizard develops products for the flawless transport of welding wire from drum to contact tip, regardless of the brand of robot or type of drum or wire. There is a drum-cone available for all drum types and connectors for every wire feeder in the market. High-quality conduits connect all the components and ensure low-friction transport of the welding wire.



The comprehensive product catalog helps you step-by-step to achieve the correct configuration. Available as a download at www.wire-wizard.eu or by request at sales@wire-wizard.eu



Pneumatic Feed Assistant (PFA)



Connectors

Cable connectors



Hoods and guide modules

Flexible wire cables

The flexible Wire Wizard wire conduits are designed for the low-friction transport of the welding wire. The range includes wire conduits especially for steel, stainless steel, and aluminum.



The Wire Wizard wire conduits are made of polymer for SUS and ALU and for the transport of steel wires with a patented hard metal spiral inside made of an elliptical wire.

- Minimum contact with the welding wire
- Low friction coefficient
- High durability
- Lightweight
- Extremely flexible
- Improved welding wire feed from a new coil or drum



Friction-free through corners with Wire Guide Modules

Most of the friction in wire feeding comes from the bends and corners made with the wire conduit. That's why Wire Wizard has created a revolutionary product, the patented Wire Guide Modules. These wire guide modules guide the welding wire along rollers made with ball bearings. They eliminate all friction, making wire feeding simple, durable and maintenance-free.

The wire feeding problems in almost all welding cells are caused by just one or two bends in the wire feeding trajectory. These problems will be eliminated by replacing these bends with the Wire Guide modules. In combination with the wire cables, Wire Wizard offers a maintenance-free wire transport system which results in a minimum load factor on the wire feeder motor, and a minimum of wear of feeder parts.



friction-free wire transport over larger distances

The large weight of a drum of welding wire makes it preferable to place it outside the robot cell at an easy accessible place. In the case of a large robot system, this means that the welding wire must be able to bridge a longer distance. Wire Wizard's Pneumatic Feed Assist (PFA) is a simple solution to feeding welding wire to the robot over longer distances, up to 50 meters!!

- PFA works completely independently and can be added to any existing system
- Welding wire drums can be placed at locations which are easier accessible



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