

2023-06-14

Hall: 5 Booth: 5A23

SCHWEISSEN & SCHNEIDEN

OWELD - the Industry 4.0

In recent years the company has invested heavily in research and development activities and the last release is the gas generator series specific for the Industry 4.0.

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2023-06-14

Hall: 4 Booth: 4F35

## SCHWEISSEN & SCHNEIDEN

Train welding gun

Welform Precision showcases its train welding gun.

High pressure: Pressure up to 15KN (deflection less than two millimetre)

High current: Output current up to 21KA

Lighter: Ergonomic design, easy to operate and can be installed on any position

Contact:

Welform Precision

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2023-02-27

Hall: 5 Booth: 5A14

## SCHWEISSEN & SCHNEIDEN

Rolling induction system

THERMOPROZESS develops the rolling induction system for induction heating of rotating components in all dimensions (Patent-No.: 3297398).

### **Applications:**

- Rotating components such as pipes, containers, shafts, heat exchangers or similar.
- Preheat and soaking of circumferential seams.

### **Benefits:**

- Flexible adaption to different diameters, therefore specific customer requests could be realized.
- Flexible induction cables (natural-cooled) Ti 550 are used. So there is no risk of water, especially in the area of welding and/or heating.
- Constant coupling distance despite possible ovalities of the heated components.
- Uniform temperature profile.
- Induction heat treatment unit could be operated with green electricity, CO<sub>2</sub>-neutrally.
- There is no need for heating with an open flame.
- No punctual heating and overheating due to the open flame.
- Low noise level.
- No expensive gas consumption.
- Low heat radiation to the environment and thus a relief for the staff.
- No danger due to gas-oxygen-hoses lying on the ground.

Contact:

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2023-04-27

Hall: 2 Booth: 2A44

## SCHWEISSEN & SCHNEIDEN

### Cladding material

Powder, wire, rods and electrodes on Cobalt-, Nickel and Iron-base for welding and thermal spraying: The powders made by Deloro Wear Solutions are being used in almost every industry sector where an outstanding quality is required.

The materials are gas atomized in either Nitrogen or Argon atmosphere with superior results in sphericity, density and flowability. Beside the well known standard alloys the company offers a variety of special chemistries and make them available in the grain size distribution of your choice.

The Co-based Stellite™ cored welding wires set the industry standard. The material is available coiled on 15 kilogram K300 standard spools or 25 kilogram reels, in the most popular diameters from Ø 1,2 up to Ø 3,2 millimetre.

The rods are cast using a multi strand continuous casting process and are available in standard sizes from Ø 2,5 up to Ø 8,0 millimetre. The lengths vary from 350 millimetre up to four metres.

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2023-08-04

Hall: 2 Booth: 2D36

## SCHWEISSEN & SCHNEIDEN

### Handheld Laser welding machines

Laser welding is a modern welding method gaining increasing popularity and application in many industries. The process of laser welding opens up new possibilities, not only in terms of efficiency (speed and cleanliness of processes and the possibility of their automation, such as robotic laser welding), efficiency (optimization of costs and processes), but also in terms of materials, that is, welding parts of different shapes and thicknesses.

Benefits of laser welding:

- | Easy to start – unpack, set and weld
- | Easy to use
- | Easy to learn welding – beginner can master high quality welds in short time
- | Fast welding – almost four times faster than TIG
- | High quality of welding – perfect welding seam, deep molten pool and high strength, uniformity and good consistency
- | Less post weld grinding and cleaning
- | Small heat affected zone

Contact:

RYWAL-RHC Sp. z o.o.

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2023-06-29

Hall: 4 Booth: 4B35

## SCHWEISSEN & SCHNEIDEN

SmoothTool 1.8 - cobot welding kit for universal robots

SmoothTool is a user-friendly cobot welding package, catering to various welding tasks.

Its program structure ensures exceptional flexibility, allowing for effortless incorporation of weaving patterns, offset items, stitch welds, or multipass welding.

Compatibility with both CB and e-series robots as well as the new UR20 means that all features function across all UR's robot types.

SmoothTool offers extensive integration options, allowing it to seamlessly integrate with various robotic welding power sources from leading brands like Fronius, ESAB, Kemppi, Lorch, WECO, and EWM.

Additionally, it supports integration with all other power sources, whether manual or robotic, ensuring compatibility across a wide range of equipment.

Smooth Robotics just launched SmoothTool 1.8 as the newest release of the software. A release that adds even more welding functionality and features to the robot.

[Read more about the new release of SmoothTool](#)

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2023-08-29

Hall: 2 Booth: 2A36

## SCHWEISSEN & SCHNEIDEN

### PT-150P Precise welding positioner

By using a precise positioner, the ProArc PT-150P, you can rotate workpieces during welding and achieve seamless rounded welds. Programming precise positions for each weld improves weld quality, productivity, and flexibility.

#### Feature:

- | Compatibility with collaborative robots and industrial robots
- | Precision turning and positioning
- | Manual tilt functionality 0, 45, and 90 degree

#### Contact:

UNITED PROARC CORPORATION

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2023-09-07

Hall: GA Booth: GA21

## SCHWEISSEN & SCHNEIDEN

Brushless DC motor BL5440 IR

The brushless DC-motor is especially designed for robotic arc welding. With low maintenance, high durability and maximum flexibility it targets what robotic welding needs.

Four different gear ratios from 21:1 to 69:1. Optical encoder 37, 60 and 100 counts per revolution ensures accuracy.

### Contact:

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2023-06-14

Hall: 4 Booth: 4E25

## SCHWEISSEN & SCHNEIDEN

### Advanced laser technology

Civan's Dynamic Beam Laser (DBL) is an advanced laser technology for welding, offering unprecedented control and flexibility. The DBL allows manufacturers to quickly tailor the welding process to their specific applications.

The DBL is based on Optical Phase Array (OPA) technology, a form of coherent beam combining (CBC). By merging multiple single-mode laser beams into a larger beam, the DBL generates a diffraction pattern in the far field. This unique characteristic enables real-time manipulation of the beam shape without the need for any moving parts, resulting in a truly dynamic beam laser.

With the DBL, manufacturers have the freedom to adjust parameters such as beam shape, sequence, frequency, and focal depth at remarkable speeds - revolutionizing the possibilities of laser welding. Civan's breakthrough technology provides supreme control over the thermal gradient in time and space as well as control over the melt pool and keyhole, which leads to the ability to influence weld geometry and solidification. With these capabilities users can weld faster, better quality, weld new materials. DBL in many cases allows the user to replace traditional joining methods which have high power consumption and high CO2 emission.

### **Dynamic Beam Laser features:**

#### Unlimited beam shapes

Create custom beam shapes in minutes with a software.

#### Shape frequency

Define the shape frequency ranging from 1Hz and up to 40Mhz.

#### Shape sequence

Switch beam shapes within microseconds.

#### Focus steering

Change the focus position to up to 40 MHz.

#### Contact:

Civan Lasers

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2023-06-14

Hall: 5 Booth: 5C02.A

## SCHWEISSEN & SCHNEIDEN

### TIG WIZARD - TACK!

Tacking & TIG welding aluminum material without filler is a daily challenge faced by welders around the world. GYS has developed a patented solution that is unique to the market: the ALU WIZARD mode.

This method of tacking and welding has been developed by GYS engineers to simplify aluminium welding and make it accessible to everyone. With or without filler metal, this built-in feature of the TITANIUM range ensures that the tacking process takes less than a second.

This mode is also available for tacking and welding all types of materials: steel, stainless steel, aluminium and copper.

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2023-05-12

Hall: 3 Booth: 3A23

## SCHWEISSEN & SCHNEIDEN

Home of welding

On the Internet pages of [www.home-of-welding.com](http://www.home-of-welding.com), the focus is on welding technology, but related technologies or topics are not neglected either. The Home of welding offers versatile reporting on current developments in the sector in industry, trade and handcraft.

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2023-06-14

Hall: 7 Booth: 7D32

## SCHWEISSEN & SCHNEIDEN

Inverter battery charger and starter

Single-phase portable battery chargers for charging lead-acid batteries protected against overloads and polarity.

Reversal equipped with selector for normal or quick (boost) charge. Equipped with ammeter.

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Mr. Eric Li

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2023-07-12

Hall: 2 Booth: 2D42

## SCHWEISSEN & SCHNEIDEN

### New welding robot of offshore wind

The Inrotech-Vertigo is a portable platform with a robot installed on double vertical axis, capable of welding vertical multipass welds. It features Inrotech's unique WeldLogic Technology and runs fully automatic throughout the entire process. It's capable of reaching approximately five meter above ground level.

The robot initially locates, scans and analyzes the welding groove, thereafter, plans and performs the weld without any interaction required from the operator.

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2023-06-13

Hall: 2 Booth: 2E38

## SCHWEISSEN & SCHNEIDEN

### HERCULES 5

Three axis welding positioner and manipulator. Great compactness, great performance. Optimized for lifting, turning, tilting and flipping parts up to five tons.

Hercules model has the efficient function to permit the control of the rotation of the table for the circular welding. After having positioned the element with the incline in the most suitable position for the welding puddle, the operator can begin the welding, through a comfortable remote control, with a pedal start. In the meantime, during welding, he can regulate with one hand the potentiometer that regulates the rotation speed of the table.

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2023-06-13

Hall: 4 Booth: 4E10

## SCHWEISSEN & SCHNEIDEN

### Welding powder

It is a powdery material that improves the weldability in the high-temperature welding process of metals and alloys, and improves the fluidity of the surface of the material by dissolving the welding powder. Can be called flux.

Composition and granularity can be produced according to customer requirements.

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2023-01-30

Hall: 4 Booth: 4B38

## SCHWEISSEN & SCHNEIDEN

KF-743 D - Steel or Stainless Steel

Weight : 0.210kg / 0.462lb

holding power : 200kgf / 440lbf

overall height : 37mm / 1.46in

total width : 137mm / 5.39in

overall depth : 33mm / 1.30 inch

material : stainless steel / steel

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2023-08-01

Hall: 3 Booth: 3B55, Hall: 3 Booth: 3D55

## SCHWEISSEN & SCHNEIDEN

### Cold wire TIG welding – smart and simple

TIG cold-wire components are available now for Fronius iWave. The pioneering innovation lies in its intelligent control. With the patented new TIG DynamicWire welding package, even amateurs can achieve perfect TIG welds with ease. This is because the dynamic wire control always selects the right travel speed. The process adapts to the welder, not the other way around.

The iWave power categories from 300i to 500i can be upgraded to the TIG cold-wire system. The TIG DynamicWire welding package is ready for use immediately by means of software activation and can also be retrofitted to existing iWave systems at any time.

### **Market innovation: active wire control**

The innovative advantage of Fronius DynamicWire compared to a conventional continuous wire feed lies in its automatic self-regulation. The welding system actively adjusts the wire speed to the welding behavior, torch position, and current conditions, even automatically compensating for component tolerances of up to 30 per cent. The result? Perfect welds every time.

### **Precise and user-friendly**

During development of the cold-wire system, no detail was too small for Fronius when it came to ensuring that welders could work optimally with minimal steps and adjustments. The wirefeeder is set once and then remains in a stable position. The ergonomic and flexible tungsten holder is particularly lightweight as it is produced using material-saving aluminum 3D printing. There are also no disturbing vibrations at the torch handle, as – unlike with comparable solutions – the mechanical forward and backward motion of the wire has been dispensed with entirely with the new TIG DynamicWire cold-wire welding process.

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2023-06-22

Hall: 1 Booth: 1D38P

## SCHWEISSEN & SCHNEIDEN

POM-100B/POM-5B for high or ultra high purity welding applications

Aquasol has developed the first APP-enabled handheld oxygen monitor for the welding industry. Compatible with Android, iOS, and Windows. The POM®-100B/POM®-5B comes equipped with many advanced features such as its data logging capabilities, which allow operators to create infinite permanent records of real-time data and export them to Microsoft® Excel and plain text format.

The POM®-100B/POM®-5B also offers a built-in, programmable multi-language feature with on-screen instructions that are available in English, Spanish, German, and Portuguese. Together with different voltage and frequency specifications and compatibilities, the POM®-100B/POM®-5B are the most universal oxygen weld monitors available on the global market today.

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2023-05-31

Hall: 4 Booth: 4H14

## SCHWEISSEN & SCHNEIDEN

Aluminium welding wire and rod

Kunli is a specialized manufacturer of Aluminum welding wire in China since 1996. The company has the grade ER5356, ER5183, ER5087, ER4043, and provides welding solution for automobile, shipbuilding, train carriage and parts, furniture and more.

The wires are approved by DNV, DB, ABS, CE, and CCS.

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2023-08-24

Hall: 8 Booth: 8B13

## SCHWEISSEN & SCHNEIDEN

### Cutting machine ELEMENT - Productivity redefined

One of the main attractions from Messer Cutting Systems will be the live demo of the ELEMENT 400. Equipped with oxyfuel and plasma technology as well as two additional marking tools, this thermal cutting machine is suitable for the largest variety of applications with the highest quality demands.

The plasma bevel head Bevel-S promises maximum flexibility: complex contours, holes or bevels for weld preparations can be cut effortlessly. What is more, the platform makes high speed marking with proven and robust tools possible for fast and simple identification of various materials.

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2023-05-18

Hall: 3 Booth: 3B51

## SCHWEISSEN & SCHNEIDEN

### Evflow

Evflow is an electron beam welding machine for producing electric vehicle (EV) power train components, including batteries, inverters, and motors.

Electron beam welding is an extremely consistent process, creating strong, high-quality welds.

It is significantly faster than laser welding for this application, as the beam can be deflected electromagnetically with no moving parts. This allows it to move at speeds faster than a mechanical laser mirror.

You can also change the focal point of the electron beam dynamically and rapidly using electromagnetic focusing coils. This allows the electron beam to process very wide areas without having to move the component or the weld head mechanically.

The focal depth of the electron beam is typically longer than a laser. This combined with the lack of issues with reflectivity, make electron beam welding a more reliable technology for mass production, as it has wider tolerance for part misalignment.

Furthermore, as there is no reflectivity from an electron beam on metals such as Copper (unlike laser), there is a greater intensity of heat. As a result, less material is required in critical areas, such as hairpins, to absorb the heat.

As the vacuum chamber contains the welding process, there is less spatter, so the welds are extremely consistent.

The vacuum also helps reduce the porosity in the weld, creating a better electrical connection and increasing the efficiency of the electric vehicle.

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2023-06-30

Hall: 3 Booth: 3B23

## SCHWEISSEN & SCHNEIDEN

### ELBOR GREEN WIRES

Elbor's new line of GREEN wires is the result of a production process aimed at maximum respect for the external environment. In accordance with the environmental footprint (ESG) that Elbor draws up, the project starts with a careful selection of raw materials, strictly manufactured in the EU and manufactured with new, environmentally friendly technologies. In agreement with the supplier, the same raw material is transported by trains (instead of trucks and/or ships) in order to always favor the least possible pollution.

GREEN wires are made from drawn wire rod, which is treated with chemical components, is also manufactured in an environmentally friendly way and, after careful cleaning, is recycled in the production process. Finally, the finished product is wrapped onto unpainted iron baskets that are fully recyclable after use.

Even the packaging is made from recycled paper with the utmost respect for the environment.

GREEN wires are available in both G3Si1 (SG2) and G4Si1 (SG3) versions with a higher manganese content.

The main advantages of GREEN wires are better smoothness in the welding process and less fuming than other coatings (like copper-plated wire, classic and bronzed non-copper-plated wire). The applications of these wires range from carpentry in general to naval, automotive, and more.

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2023-09-03

Hall: 6 Booth: 6A13

## SCHWEISSEN & SCHNEIDEN

Premiere of Renegade Volt™ battery-powered MMA/TIG welder

ESAB's Renegade VOLT™ ES 200i MMA/TIG battery-powered welding system, which ESAB developed in conjunction with Stanley Black & Decker, celebrates its European debut.

Powered by four DEWALT® FLEXVOLT® twelve Ah (amp-hour) batteries, Renegade VOLT offers an MMA output of ten to 130A and TIG output of ten to 150 on battery power. Renegade VOLT also connects to 120V/230V AC mains power and provides a maximum welding output of 200A when connected to 230V mains. Additionally, Renegade VOLT has an exclusive AMP + Hybrid Mode that supplements mains power with battery power to mitigate nuisance circuit breaker tripping.

Using the four FLEXVOLT twelve Ah batteries included in the package and set to an output of 80A, the Renegade VOLT provides the power to weld with up to 33 (E6013) electrodes or TIG weld for up to 45 minutes on a single charge in standard operating conditions.

A four-port fast charger (included) charges the twelve Ah batteries from zero to full charge in about 100 minutes. Depleted batteries can be swapped for fresh batteries in seconds, so users can continue welding without interruption. The battery box detaches for easier portability and storage, as well as for convenience when connected to mains power. The machine weighs 23 kilogram with the batteries and battery box and ten kilogram when the box is detached.

To learn more, visit [esab.com](https://www.esab.com).

Contact:

ESAB AB

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2023-06-14

Hall: 6 Booth: 6C11

## SCHWEISSEN & SCHNEIDEN

Magnetic particles

New magnetic particles fluorescent dual, or black and white.

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2023-07-24

Hall: 3 Booth: 3A12

## SCHWEISSEN & SCHNEIDEN

### D-DSM Double Spindle Gantry

Boost your productivity: Two gantries, two welding heads – combined in one system. With the double-spindle FSW gantry systems in the D-DSM series, Grenzebach enables even faster and more efficient work. D-DSM stands for Double-Spindle Dynamic Stirring Machine. By adding an additional gantry bridge to the DSM, users have two independently operating welding heads at their disposal.

#### **Reduce effective cycle time**

The second gantry bridge means that cycle times can be cut in half, resulting in economical production at high volumes.

#### **Faster but still flexible work**

The two welding heads work independently of each other. This allows you to weld in parallel at different points on a workpiece during friction stir welding, so large components can be processed efficiently.

#### **Low space requirements**

Space and equipment requirements in production are reduced, while efficiency is increased. The overall investment is significantly lower. In addition, space is freed up for other applications.

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2023-07-10

Hall: 2 Booth: 2C31

SCHWEISSEN & SCHNEIDEN

New power modules

SCOMES will present the new generation of power modules for HF machines.

Customized layout and dimensions. SiC standard IGBT and ultrafast recovery diodes.

Contact:

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2023-06-18

Hall: 2 Booth: 2A19

## SCHWEISSEN & SCHNEIDEN

### News for welding with MIG/MAG and TIG

"Welding perfectly under control". Rohrman Schweisstechnik presents the new developed handle RMC Pro suitable for welding torch series MEP, MAP and MultiMig. Another focus is Welding 4.0, where new water-cooled and gas-cooled welding torches for hollow-arm and conventional robots for automation will be showcased.

The TIG welding torch series R-Line has been extended by the models RW-20 and RW-20F. The types RW-20 and RW-20F got an improved cooling system and are ideally matched to the RTC handle.

News in TIG are equipment parts for better gas protection and cold wire systems that make TIG welding much more efficient.

Furthermore TIG Micro torches, Speedway high performance torches, quartz glass nozzles and much more will be shown.

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2023-05-12

Hall: 5 Booth: 5D16

## SCHWEISSEN & SCHNEIDEN

### Integrated gas saver regulator

The LE LORRAIN double stage regulator with integrated gas saver device is the preferred solution for professional welders looking for a high-quality regulator, made in France.

Designed to prevent "water hammer", this regulator also reduces by four the amount of gas trapped in the pipes, allowing for a more efficient and economical use of gas. With its gas saving device, this regulator allows for better welding initiation, ensuring better quality welding and reduced defects.

Moreover, with a gas saving of up to 55 per cent, this regulator enables users to make significant savings on their gas consumption, which can be advantageous both economically and environmentally.

LE LORRAIN places a strong emphasis on quality, with individual quality control for each regulator. This ensures that every product meets the highest standards of performance and reliability, providing a high-quality solution for professional welding needs.

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2023-09-08

Hall: 3 Booth: 3C19

## SCHWEISSEN & SCHNEIDEN

### Sanarc® spatter counter

Sanarc® spatter counter is an easy-to-use application that provides real-time monitoring of spatter levels during welding.

The innovative approach eliminates the struggle of optimizing machines, gas, and conditions. Quantifying spatter becomes effortless thanks to its ability to provide real-time monitoring of spatter levels by seamlessly integrating with your welding videos. Witness the evolution of your welding process through synchronized video and spatter data, enabling informed adjustments.

In addition to real-time monitoring, the application also facilitates post-weld analysis. By visualizing the accumulation of spatter over time, it facilitates a better understanding of the process and technique.

### Features of Sanarc® spatter counter:

- **Accessibility:** Effortlessly quantify spatter using your smartphone.
- **Comprehensive insights:** The app displays spatter count trends alongside concurrent weld videos, presenting instant, maximum, minimum, average, and cumulative values.
- **Analysis empowerment:** Save and transfer analysis results for seamless data utilization.
- **Versatile application:** Adapt the system to various imaging environments through parameter adjustments.
- **Photography precision:** Capture high-quality moving images of spatter. Adjust shutter speed, frame rate, and ISO sensitivity to match your environment.
- **In-depth analysis:** Each video frame undergoes meticulous analysis. After noise removal, spatter instances within specified pixel and luminance thresholds are counted.

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2023-04-06

Hall: 7 Booth: 7C31

## SCHWEISSEN & SCHNEIDEN

### Monitor G5

MONITOR is a comprehensive ERP system with integrated BI. It consists of different modules that together cover all activities of a modern production company. MONITOR gives you full control over all business processes.

#### **Production**

Production is the heart of the system. The system is optimized for production and production planning. In this module, parts lists and workflows are created, important calculations are carried out and production orders are registered. Here, the user has full control over allocation planning. He reports, draws pick lists, plans pools and uses coordinated processing.

#### **Purchasing**

This module supports the entire purchasing process, from enquiries to payments due. Suppliers are registered here, SRM is used, enquiries and purchase orders are created, labels are generated and incoming goods inspection is carried out. Supplier invoices are registered and supplier liabilities, payment of invoices and follow-up through purchasing statistics, supplier evaluation and order backlog are managed.

#### **Sales**

The module includes everything related to the sale of goods and services. It provides support for managing customers and future customers, BI, quotations, sales orders, deliveries, invoicing, statistics and tracking, as well as customer liabilities and liquidity forecasts.

#### **Warehouse**

Here the user sees what is in stock and what it is worth. The user uses effective and reliable demand planning, gets a first-class traceability overview and performs various inventory calculations.

#### **Time recording**

This is all about working hours: Recording attendance and work, basics for wages and salaries as well as functions for detailed planning, flow charts and much more.

#### **Accounting**

In this module you manage the accounting of your company. Here you will find functions for account management, automatic posting/accounting, recording transactions, reports and tracking, as well as changing period and year.

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2023-09-01

Hall: 5 Booth: 5G33

## SCHWEISSEN & SCHNEIDEN

New TIG AC/DC range: Elevated technology - unparalleled performance

Introducing Telwin's brand-new professional offering tailored for the TIG world. The products are meticulously crafted to meet diverse needs while sharing the same mission: ensuring maximum precision and top-notch quality in every task, all while boosting productivity. Experience the cutting-edge technological solutions seamlessly integrated into each model, simplifying machine interaction and empowering operators to achieve exceptional results, even in the most challenging welds with various materials.

Discover the remarkable features of Technology Tig 202, SuperTig 302 and Superior Tig 422, unlocking a whole new TIG welding experience.

‡ **SUPERIOR TIG 422 WAVE:** the ultimate TIG welding machine crafted for professionals and industries. Unlock precision and quality in your work with advanced functionalities that guarantee enhanced productivity and unwavering reliability.

‡ **SUPERIOR TIG 422 AC/DC:** Unyielding strength and unwavering reliability, even amidst the most challenging tasks: introducing SUPERIOR TIG 422 AC/DC, where power seamlessly harmonizes with unparalleled craftsmanship on all materials.

‡ **SUPERTIG 302 AC/DC:** The first of a range destined for great success, SUPERTIG 302 AC/DC is the ideal tool for professionals seeking the perfect balance between performance and versatility without compromising on the quality of results.

‡ **TECHNOLOGY TIG 202 AC/DC:** The most compact and versatile single-phase TIG model, TECHNOLOGY TIG 202 AC/DC, is designed to be a flexible tool for applications on various materials, including steel, stainless steel, and aluminum.

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2023-07-17

Hall: 1 Booth: 1A20

## SCHWEISSEN & SCHNEIDEN

### Combi CoWelder

Migatronic, a leading provider of innovative welding solutions, is pleased to announce the launch of the CoWelder Combi. This breakthrough collaborative welding robot revolutionizes the industry by offering both MIG/MAG and TIG welding capabilities in a single, agile solution. The CoWelder Combi sets new standards for productivity, flexibility and efficiency, enabling manufacturers to optimize their welding operations like never before.

The CoWelder Combi has impressive features that set it apart from traditional welding robots.

#### **Switch between MIG and TIG welding:**

The CoWelder Combi has the unique ability to switch between MIG/MAG and TIG welding processes without significant delays or interruptions. This remarkable flexibility ensures a continuous and efficient workflow that allows operators to seamlessly process different welding requirements and materials.

#### **Versatility and adaptability:**

With the ability to switch between two welding processes using the same robot, the CoWelder Combi eliminates the need for multiple specialized solutions. This versatility enables a flexible production line that allows manufacturers to quickly respond to different welding needs, project specifications and material requirements. By investing in the CoWelder Combi, companies can optimize their welding resources and maximize productivity, regardless of batch size or welding process requirements.

The CoWelder Combi is a milestone in the welding industry. Migatronic is committed to delivering innovative solutions that increase its customers' productivity and flexibility. The CoWelder Combi enables manufacturers to optimize their welding processes, reduce costs and achieve a faster return on investment.

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2023-05-28

Hall: 7 Booth: 7F13G

## SCHWEISSEN & SCHNEIDEN

CEWELD® AquaForce

AquaForce MG is the last development in accordance with DIN 2302 (which is a template for a new ISO standard) as well as the AWS A 5.35 and the AWS D 3.6M.

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2023-08-24

Hall: 1 Booth: 1D12

## SCHWEISSEN & SCHNEIDEN

The workbench for everyone

Siegmund presents the new workbench: The new Siegmund workbench is an indispensable tool in every workshop. With the combination of a proven modular system, an aluminum frame and various accessory sets, Siegmund creates a lightweight and cost-effective alternative and combines the best components of a welding table and a workbench.

### **A proven system**

The advantages of the Siegmund system are based on the individual configuration possibilities of the products. The constantly expandable modular system consisting of extensions, stops and drawer boxes leaves nothing to be desired, which means that the user has no limits when it comes to clamping and fixing.

### **The advantages of the workbench**

Whether for the do-it-yourselfer as a workbench with drawers or for professional use as a welding table - the new workbench combines the advantages of both products. Thanks to the ingenious modular system and the abundance of accessory sets, both welding and clamping work can be carried out in a short time, reducing the workload enormously. This enables fast and dimensionally accurate processing of the components and rework is a thing of the past. The height-adjustable feet ensure an ergonomic working posture.

### **The Siegmund workbench in detail**

The new workbench consists of a 1200x800x12 nitrided steel plate that can be expanded with various accessories such as clamps, aluminum stops, angles and extensions and drawer boxes. The spacious drawers offer enough space for tools and accessories. The light and robust aluminum frame is adjustable in height from 800 to 975 millimetres and the fine adjustment for an upright working position can be done on the feet.

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2023-02-12

Hall: 6 Booth: 6G22

## SCHWEISSEN & SCHNEIDEN

### Wandelbots Teaching

Wandelbots Teaching is the easiest robot programming solution worldwide. It allows users to teach industrial robots without programming a single line of code.

Powered by the hardware-independent Wandelbots Software Plattform, users only need one unified interface to work with robots of all manufacturers. Wandelbots Teaching combines an easy to use software with an intelligent teaching device, the TracePen. It makes teaching robots easier, more flexible, more affordable and thus usable for every company.

For more information, visit [wandelbots.com/en/robot-programming](https://wandelbots.com/en/robot-programming)

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2023-04-05

Hall: 7 Booth: 7C31

## SCHWEISSEN & SCHNEIDEN

Consulting for the digital transformation in manufacturing SMEs

5CUBE offers comprehensive consulting for digital transformation in manufacturing SMEs. In addition to ERP software, a perfect drive into digitalization requires a package of consulting and knowledge. Years of experience make 5CUBE the perfect partner for manufacturing companies.

In addition to the ERP product Monitor G5, the software and consulting company offers the middleware 5CUBE.work to automate and optimize processes across systems, without media breaks.

5CUBE knows manufacturing companies from its own many years of experience. The consultants solve complex challenges according to the principle: analyse, advise and optimize.

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2023-06-09

Hall: 6 Booth: 6G21

## SCHWEISSEN & SCHNEIDEN

### Inverter welding machine

RILAND has diverse brands: Riland, Rilon and Ownace, with more than 100 models. The variety of products includes inverter MMA welders, inverter TIG welders, inverter MIG welders, air inverter plasma cutters, robotic welding systems, automatic welding carriages, digital intelligent welding systems, welding & cutting accessories and protection safety equipment.

Due to the premium quality and high cost effectiveness, numerous customers across a multitude of industries such as chemical, oil pipeline, automobile, shipbuilding, steel structure, boiler, power construction, nuclear power, aerospace, military, bridge construction, and more industrial installation applications are served.

#### Contact:

Shenzhen Riland Industry Group Co., Ltd.

Frau Spring Yang

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2023-09-04

Hall: 2 Booth: 2A42

## SCHWEISSEN & SCHNEIDEN

### Spot welding machine for welding sinks into counters

The machine offers fast, easy and cost-effective, watertight welding of inox sinks and drainers into inox counters and worktops. It is suitable for welding stainless steel sinks, bowls, fryers, basins of all shapes and sizes into kitchen countertops, worktops and drainers to use in gastronomy (HORECA) and medicine.

Choosing spot welding over gas Tungsten arc welding (TIG) or seam welding, enables customers more flexibility in designing and production of their worktops, since Kocevar sink welder offers higher speeds, higher quality and less deformation than Tungsten arc welding (TIG). Although spot welding is slower than seam welding, the machine does not require any special copper counter electrodes as seam welding does. The result is a seam-like weld, which is waterproof, but does not cause any deformation in the sheet metal.

Further more Kocevar offer innovative guiding tables, placed under the countertop, for easy handling and to support the weight of larger countertops, so that only one unqualified worker is needed. The worker does not need to rotate the countertop or program the machine, because the machine follows the shape of the sink-bowl automatically. Therefore any shape of the sink-bowl can be welded-in without any machine setting up or CNC programming.

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2023-09-07

Hall: 4 Booth: 4G34

## SCHWEISSEN & SCHNEIDEN

Wire panel fence welding machine

SA?LAMLAR is specialized in panel fence welding machine as well as in standard fence, high security fence, double wire fence and wire mesh machine manufacturing.

Contact:

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2023-06-07

Hall: 2 Booth: 2A40

## SCHWEISSEN & SCHNEIDEN

Safety and welding leather gloves

Hundal Group is an export-oriented company and is producing industrial, safety and welding leather gloves and welding clothing since 1988.

The company is qualified to affix the CE marking to the gloves and has the CE certificate for more than 30 different leather gloves in accordance with the latest European regulations.

Hundal also received the award for the best performance in the field of occupational health and safety articles from the Honorable President of Pakistan.

<https://www.hundalgroup.com/>

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2023-05-12

Hall: 7 Booth: 7C27

## SCHWEISSEN & SCHNEIDEN

### INOX System make up

Electrochemical system for all the treatments on Stainless Steel (degreasing, deoxidizing, pickling, passivation, marking/etching) using non dangerous chemical products.

The system allows up to two workers to work at the same time, and it employs many programs to work on any kind of finishing, also polished surfaces producing no matte effect. In can treat any type / quality of welding, making also localized electropolishing and burnishing treatments.

Video maintenance / elimination of existing corrosion <https://youtu.be/V269FLPHDC8>

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2023-07-10

Hall: 5 Booth: 5G35

## SCHWEISSEN & SCHNEIDEN

Tungsten grinder for professionals: Ultima-TIG

[Ultima-TIG](#) is the wet grinder of Tungsten electrodes from Inelco Grinders that ensures precise grinding at the correct angle and perfect centring of the tip of the electrode. It grinds down to eight millimetre which results in minimal electrode waste.

### Highlights:

- | Sealed grinding chamber with dust collector to protect the user
- | Variable angle setting gives more flexibility
- | Wet grinding prevents overheating of the electrode during grinding
- | High grinding speed provides faster grinding and a smooth surface
- | The electrode holder ensures centring of the tip and reduces waste
- | Less electrode waste results in a short payback time

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2023-08-10

Hall: 6 Booth: 6H21

## SCHWEISSEN & SCHNEIDEN

### 5-axis H-Table welding system

Its configuration with five axes of rotation gives the cell a greater freedom of movement allowing a better accessibility to welding points. Designed for high production volume and more efficient cycles.

This equipment is ideal for the production of:

Bicycles' parts, components for the automotive sector (like supports for engines), and parts with complex geometry and welding points with difficult access, among others.

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2022-11-15

Hall: 5 Booth: 5A27

## SCHWEISSEN & SCHNEIDEN

Energy-efficient: Yaskawa robots with regenerative braking

Yaskawa offers a technical solution for the recovery of robot braking energy into the power grid – as a standard and without additional hardware. All larger MOTOMAN robot series with a payload upwards of approximately 50 kilogram and the latest YRC1000 robot controls are able to convert kinetic energy from down and sideways movements directly into 400 V AC at 50 Hz and feed it back into the net. Depending on its movement pattern, the robot's energy requirements are therewith significantly reduced.

Prerequisite for this energy recovery is the standard YRC1000 robot controller in conjunction with the larger robots with payloads upwards of approximately 50 kilogram.

In their very diverse tasks – such as handling, palletizing, joining and processing – industrial robots make many down or sideways movements, during which the servomotors dissipate energy and potentially generate electricity. Up until now, in older or other robot models on the market, the resulting energy has been converted to waste heat by control technology through electrical resistance and lost to the environment.

In the Yaskawa solution, the electric energy is fed back into the operator network without additional hardware and reused. Savings in the eight to 25 per cent range can be anticipated. This may well result in annual feed-ins of about 2,800 kWh, with savings of about 1,600 kilogram CO<sub>2</sub> and 1200 Euro.

With this hitherto unique technical solution, Yaskawa has applied its experience as manufacturer of drive technology – after all, all servo drives and control packages are in-house products, and accordingly optimal tailored to industrial robots. MOTOMAN robots open up further efficiency potential due to their slim and compact design with low moving masses and fast application of brakes during movement intervals, in order to switch off the active position control when not in use.

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2023-06-01

Hall: 3 Booth: 3A63

## SCHWEISSEN & SCHNEIDEN

PMI - 200 TL3

The new plasma welding machine "PMI-200 TL3" finally closes the gap between the small PMI-50 and the bigger PMI-350.

With its compact dimensions and the provided power (3-200A), it is it is ideally designed for manual applications or small automations.

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2022-11-22

Hall: 2 Booth: 2D10

## SCHWEISSEN & SCHNEIDEN

### New range of products

The company develops the entire product cycle internally: concept - design - implementation - production - sales and assistance.

The range of products that the company currently presents on the market is:

- MIG-MAG welding torches
- TIG welding torches
- MIG and TIG Welding torches for automatic systems and robots
- Robots accessories, antishock systems and any kind of special torch

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2023-09-06

Hall: 6 Booth: 6H13

## SCHWEISSEN & SCHNEIDEN

### RoboCon

A lack of skilled workers, high investments and changing batch sizes make it difficult to automate welding processes in small and medium-sized companies. With RoboCon, the INperfektion GmbH has developed a solution together with their partners that addresses these problems in an extraordinary way: The fully functional robot welding cell is housed in a recycled shipping container.

RoboCon is mobile and flexible and can be placed wherever it is needed. Whether in the factory hall or outdoors - all that is needed is a power connection and the cell is ready for use.

#### Contact:

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2023-05-31

Hall: 3 Booth: 3A47.12

## SCHWEISSEN & SCHNEIDEN

### Insulation layers

New, innovative insulation layers for dielectric strengths of the products for up to several 1000 volts, depending on layer thickness.

Measurement technology of the layers up to a voltage of 35,000 volts.

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2023-09-03

Hall: 5 Booth: 5A21

## SCHWEISSEN & SCHNEIDEN

MEX Series: New MIG/MAG hand welding torches

The new MEX torch series from MECHAFIN AG stands for Swiss innovation. The development team focused on the user and the understanding of his tasks. The aim was to develop a MIG-MAG torch that can withstand the toughest conditions on shipyards, oil platforms, coal mines, in the automotive or railway industry and at the same time provide the operator with maximum comfort for a fatigue-free welding process.

The adapted ergonomics, the placement of the probe, as well as its design in combination with the 2-component handle and the ball joint ensure a good feeling in every working position. This ensures greater comfort for the welder at work, which is reflected in its excellent welds and increased work safety.

### **Serviceability as a prerequisite**

Thanks to the quick-release fastener on the handles, the torches are extremely easy to service, a torch neck can be replaced with ease - should this really be necessary. This saves time and reduces service costs. The torches are not only convincing because of their attractive design, but also because of the long service life of their wearing parts. Optionally, LED lights or push-buttons are available for controlling the welding system, which further increases the welding comfort.

### **The MEX welding torches are characterised by the following features:**

- | First-class ergonomics thanks to 2-component handle
- | Optimized button position for fatigue-free and safe operation
- | Highest mechanical load capacity
- | Easy maintenance and serviceability
- | Optimum cooling and power reserve for long service life
- | Separate shielding gas hose for improved weld pool coverage

It goes without saying that MECHAFIN AG offers the right wear parts such as gas nozzles, contact tips and liners for all MIG/MAG welding torches, to cover all your requirements at any time.

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2023-08-01

Hall: 6 Booth: 6G13

## SCHWEISSEN & SCHNEIDEN

Now in series: DUSTOMAT DRY for dust and welding fumes

The new DUSTOMAT DRY series can be used universally in production as a [dust extractor](#) or [welding fume filter](#). The modern extraction devices are suitable for nearly all applications and among other things, effectively extract the dusts, chips and welding fumes produced when processing metal or plastic. The modular and sound-insulated housing concept allows the extraction unit to be precisely configured.

Depending on the application, the filter package can be equipped with cartridge filters with a separation efficiency of up to 99.995 per cent. The extraction capacity is also geared to the application, so the DUSTOMAT DRY generation is available in four performance levels with air volume flows from 2,000 to 4,000 cubic meters per hour. In addition, the system design can be largely adapted to the spatial conditions. In terms of energy efficiency, the [dust extractors](#) and [welding fume filters](#) are particularly characterized by the innovative filter cleaning system, which uses 50 per cent less compressed air than conventional systems, significantly extending the filter service life.

### 3-stage filter system

The new DUSTOMAT DRY series ensures that the air is healthy to breathe in just three stages. In the first stage, the integrated impact separator separates coarse and heavy particles and thus protects the downstream filter media. The air filters of the second filter stage vary depending on the application, and filter a large proportion of the extracted dust and fume particles from the air. In the third stage, if required, a post-filter, such as the highly effective HEPA H14 filter, can be used to extract harmful and carcinogenic dusts with a separation efficiency of 99.995 per cent. The dust extractors and welding fume filters can also be supplemented with activated carbon filters to neutralize odours.

### Interesting links:

| [DUSTOMAT DRY for dusts](#)

| [DUSTOMAT DRY for welding fumes](#)

| [Innovative extraction technology](#)

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2023-06-09

Hall: 4 Booth: 4F35

## SCHWEISSEN & SCHNEIDEN

Traceless welding gun

Milco&Welform presents its traceless welding gun.

Traceless surface: A perfectly balanced traceless surface can be obtained on the static side.

Meltcore: Reliable core size.

High pressure: Output pressure up to 4KN.

Modular: Replaceable dual drive unit.

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2023-04-27

Hall: 5 Booth: 5D17

## SCHWEISSEN & SCHNEIDEN

TALOS.EasyPath: Real-time path correction

Talos Robot Vision IKE presents TALOS.EasyPath.

When a robot welds two parts, it accurately follows the pre-programmed path. If the pieces to be welded do not have the expected accuracy, the welding will not be done correctly. With Talos.EasyPath the robot corrects its position in real time so that the final result will be perfect.

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2023-06-07

Hall: 1 Booth: 1A15

## SCHWEISSEN & SCHNEIDEN

Ferro alloys and metal powders

Amongst the largest suppliers of Ferro alloys and metal powders based in India, AIM cater to all bulk and noble ferro alloys, major and minor metals for welding electrodes and consumables.

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India

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2023-07-05

Hall: 4 Booth: 4A23

## SCHWEISSEN & SCHNEIDEN

### Welding simulator

A welding simulator is an innovative tool that utilizes virtual reality (VR) and advanced simulation technology to create a lifelike welding experience. It allows trainees to practice their welding skills in a controlled and safe environment, replicating real-world scenarios without the risks associated with live welding. This revolutionary approach to training offers numerous benefits and is rapidly gaining recognition and adoption across the industry.

**Realistic training environment:** Welding simulators provide an incredibly realistic training environment that closely mimics actual welding conditions. Through high-fidelity graphics, accurate physics simulations, and interactive features, trainees can experience the sights, sounds, and tactile feedback of welding. From the intense glow of the arc to the sizzling sounds of the weld pool, the simulator recreates the sensory aspects of welding, enhancing the trainee's immersion and engagement.

**Versatility and customization:** One of the significant advantages of welding simulators is their versatility and customization options. They offer various welding processes, such as MIG, TIG, stick, and more, allowing trainees to practice specific techniques that align with their professional goals. Simulators can also simulate different materials, joint configurations, and welding positions, ensuring a comprehensive training experience that caters to different industries and applications.

**Real-time feedback and performance analysis:** Welding simulators provide instant feedback on trainee performance, allowing them to assess their technique and make adjustments in real-time. Metrics such as travel speed, arc stability, bead placement, and weld quality are measured and displayed, enabling trainees to identify areas for improvement. With detailed performance analysis, trainees can refine their welding skills, enhance their efficiency, and strive for excellence.

### Contact:

SIMBOTT Welding Simulator

Mr. VARUN MANESH KHATRI

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400069 Mumbai Maharashtra

India

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E-Mail: [business@simbott.com](mailto:business@simbott.com)

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2023-05-28

Hall: 2 Booth: 2D23

## SCHWEISSEN & SCHNEIDEN

### Orbital welding power sources

Welding jobs can vary greatly in scope and application - from prefabrication at a fixed workstation to installation work in plants and on construction sites. With the orbital welding power sources from Orbitalum Tools GmbH, you are able to respond flexibly to a wide range of requirements. The product family includes the Mobile Welder, the Mobile Welder OC Plus and the Smart Welder. All three orbital welding power sources reliably produce high-quality welds - at any time.

The Mobile Welder is a portable orbital welding power source that offers all the basic functions needed for orbital welding. Welding programmes can be easily created using the integrated auto-programming function. Together with the open, gas-cooled orbital welding heads, orbital welds can be produced easily and flexibly.

The Mobile Welder OC Plus consists of the Mobile Welder and the cooling unit ORBICOOL MW. The power source is equipped with the latest information and communication technology and has advanced software functionalities. The Mobile Welder OC Plus is compatible with almost all Orbitalum welding heads. A great feature of the Mobile Welder OC Plus is that it can be used both in prefabrication at a fixed workstation and for installation work in plants and on construction sites. In addition, a manual welding mode is integrated in the software.

The Smart Welder is an orbital welding system that is primarily used for stationary prefabrication work in production. The Smart Welder has an attractive and practical housing with integrated carrying handles on the sides. It is operated intuitively via the large, clearly arranged touch display or the multifunctional rotary control. Documentation and welding gas control is possible with the Smart Welder.

#### Contact:

Orbitalum Tools GmbH

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2023-06-06

Hall: 4 Booth: 4D34

## SCHWEISSEN & SCHNEIDEN

### MA1-35/45/65 Handheld laser welding machine

The hand-held laser welding machine integrates the laser, the hand-held welding torch and the control system. Compared with the traditional hand-held welding equipment, it has the remarkable characteristics of simple configuration, high integration, small size, simple operation and high degree of intelligence.

#### Main Features:

- | Highly integrated product
- | Excellent artificial mechanics design work
- | Continuously adjustable power, fast switching response
- | High reliability and excellent beam quality
- | High electro-optical conversion rate

#### Contact:

Maxphotonics Co., Ltd.

Ms. Jenelle Zhang

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2023-08-28

Hall: 3 Booth: 3A66

## SCHWEISSEN & SCHNEIDEN

### Soldamatic

Seabery Augmented Technology is the worldwide leader in simulated welding educational solutions, powered by augmented reality technology. Seabery aspires to evolve and power educational institutions and industrial sectors from traditional educational models to safe, effective and efficient, digitalized training methods to prepare the skilled labor force of the 21st century.

Soldamatic training methodology is currently implemented in more than 80 countries in both education and industrial training. Powered by the proprietary system of Hyperreal-SIMTM, Soldamatic training provides a multi-sensory experience and the most realistic welding training aside from real-life welding.

Soldamatic has been awarded The Best Augmented Reality Application in Education at the Auggie Awards, Silicon Valley, California, 2017. Seabery Augmented Training was awarded The Best Spanish SME of the Year by the Spanish Chamber of Commerce in 2021.

#### Contact:

Seabery Soluciones S. L.

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2023-09-11

Hall: 2 Booth: 2E12

## SCHWEISSEN & SCHNEIDEN

SINO cylinder trolleys: Quality with attractive prices

The "BASIC" cylinder trolley is a practical solution for transporting protective gas and oxygen cylinders. This trolley offers versatile application possibilities. The trolley is suitable for both 20-liter and 50-liter gas cylinders, which allows flexibility in terms of the items to be transported. The cylinder trolley is powder coated in blue with red handles.

The use of puncture-proof polyurethane tires makes the cylinder trolley robust and ready for use, even on uneven surfaces. This type of tire minimizes the risk of punctures and ensures smooth movement. The cylinder trolley has a load capacity of up to 100 kilogram.

The "[BASIC 1](#)" cylinder trolley can transport one gas cylinder and has a width of 455 millimetre and a height of 1210 millimetre. The diameter of the arch is about 230 millimetre. The "[BASIC 2](#)" cylinder trolley is suitable for two gas cylinders (1x 20-liter + 50-liter or 2x 20-liter). It has a width of 675 millimeter and a height of 1090 millimetre. The diameter of the arches is about 240 millimetre.

In addition, also cylinder wall fasteners as part of the assortment are available.

For more information, visit <https://sinotec.de/>.

Contact:

SINotec SicherheitsSysteme GmbH

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2023-06-14

Hall: 4 Booth: 4D10

## SCHWEISSEN & SCHNEIDEN

Range of products

Anhui Hengtai Welding Materials Co presents its range of products.

BRASS WELDING ROD HS221

LOW FUMING BRONZE RBCUZN-C

LOW FUMING BRONZE RBCUZN-C FLUX COATED

SILICON BRONZE CUSI3

ALUMINUM BRONZE ERCUAL-A1

ALUMINUM BRONZE ERCUAL-A2

NICKEL ALUMINUM BRONZE CUAL8NI2

PHOSPHOR BRONZE CUSN10MNSI

Contact:

Anhui Hengtai Welding Materials Co.

Ms. Daisy Wu

. Jinshan industril Park,

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Fon: +865622217177

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E-Mail: 82761363@qq.com

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2023-08-10

Hall: 7 Booth: 7B27

## SCHWEISSEN & SCHNEIDEN

Lifting magnet TML 250

Alfra GmbH presents the lifting magnet TML 250.

- | Outstanding performance on thin-walled materials
- | Only 3.5 kilogram dead weight and thus up to 70 per cent lighter than magnets with similar performance
- | Maximum load capacity of 250 kilogram (with 3:1 safety factor)
- | Tear-off force: > 750 kilogram from ten millimetre steel (S 235)
- | Swivelling and 360 degrees rotatable load swivel
- | One-hand activation possible even between the flanges of a T-beam

Contact:

Alfra GmbH

Herr Tobias Pfeffer

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68766 Hockenheim

Germany

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Fax: 062053051150

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2023-08-23

Hall: 8 Booth: 8B13

## SCHWEISSEN & SCHNEIDEN

HyCut - the sustainable alternative to conventional oxyfuel application technology

Sustainable production, health and operating protection and reduction of the CO2 footprint are increasingly the focus today. At the same time economical and productive solutions are as important as ever. This also has its effect on cutting technology and the selection of cutting gasses. HyCut is here a new, powerful and sustainable alternative to conventional oxyfuel application technology.

On their joint stand there will be a quite special highlight for this: Messer and Messer Cutting Systems will present live at various stations which possibilities and advantages arise with HyCut.

Contact:

Messer Cutting Systems GmbH

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E-Mail: [gudrun.schul@messer-cutting.com](mailto:gudrun.schul@messer-cutting.com)

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2023-08-17

Hall: GA Booth: GA12

## SCHWEISSEN & SCHNEIDEN

### X-Ray System PRO H.225

This universal X-ray cabinet provides the maximum flexibility for inspection of small to medium sized parts.

The PRO H. series combines a compact footprint, the widest selection of imaging chains, and advanced options such as Computed Tomography (CT) and Automatic Defect Recognition (ADR). This leads to an ideally configured and scalable X-ray inspection system that is future-proof.

The core of the system is VCxray's x.OS software ecosystem that includes VC.acquire and VC.review as standard features. Depending on the job requirements, the system is available with 160 kV, 225 kV or microfocus x-ray tubes.

#### Contact:

VCxray by VisiConsult X-ray Systems & Solutions GmbH

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2023-08-31

Hall: 5 Booth: 5C02.Q

SCHWEISSEN & SCHNEIDEN

COMBI AMDP

AMDP brings now to the market the AMDP COMBI, a combination of a tip dresser and a changer. This machine is to be integrated in BIW cells in order to substantially improve productivity and reliability. It can be supplied in horizontal or vertical position. These guns may be of any size and strength.

The robot approaches the electrode in the AMDP patented extractor, in less than 80 degree rotation the cap is "cracked" and taken off. The changer is equipped with a recharging plate for upper and lower electrodes. The AMDP extractor allows a simple robot path and enables to renew a cap set in less than 15 seconds.

[www.amdp.fr](http://www.amdp.fr)

Contact:

AMDP

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France

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2023-06-01

Hall: 4 Booth: 4G27

## SCHWEISSEN & SCHNEIDEN

### High thickness welding

The technology is showing us important possibility of high thickness welding process optimization. Castellini just started its long journey on high thickness processing.

In the naval applications, as well as for infrastructure and construction sectors, welding of thick plates (>15 millimetre) has become of crucial importance. Nowadays, the common techniques involve several passes of traditional Gas-Metal Arc Welding (GMAW) to fill a gap with a precise geometry. These techniques are, inevitably, time consuming due to the necessity of multiple passes, material consuming because of the volume of the gap which needs to be filled and complicated due to the precise preparation of the joints.

To overcome these drawbacks, the company propose a Hybrid Laser-Arc Welding (HLAW) technique in a configuration which allowed to achieve a sound weld of two plates, 20 millimetre thick, of naval steel EH40 in a single pass.

The most important result of this research is that the welds have been performed in a simple butt configuration, with straight edges of the plates and without any chamfer or additional preparation. Moreover, the length of the weld seam, one meter, guarantees the stability and the solidity of the process, its scalability over longer plates, and thus, an easy implementation on an industrial machine for massive production.

This result opens the way to a faster, more reliable, and less costly process for the welding of thick plates. Furthermore, since the constant increase of the achievable laser power, there is the reasonable hope to push the single-pass maximum weldable thickness even further.

#### Contact:

Castellini Officine Meccaniche srl - Castellini Solution

Mr. Michele Borea d'Olmo

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2023-06-26

Hall: 4 Booth: 4B29

## SCHWEISSEN & SCHNEIDEN

Portable magnetic drill

Miyanach Ind. Co., Ltd presents its portable magnetic drill.

Brand: WS (Wind Speed)

Model: WS-3500M (Manual Feed)

Hole capacity: 35 millimetre (for 12 to 35 millimetre cutter and up to 50 millimetre thickness plate )

Motor rated power consumption: 1100W ( 5 Ampere)

No-load speed: 780 rpm

Magnet adhesion: 15680 N /1600 kgf

Magnet dimensions: 186 x 86 x 56 millimetre

Weight: 14 kilogram

1. Serves as two modes of cutter that allows loading in a one touch shank or weldon shank.
2. Serves as two types of drilling that allows loading in an annular cutter or twist drill.
3. Arbor support bracket help to align the cutter precisely.
4. Roller bearing design for reduce abrasion.
5. Switch PC board design let electric current in order and constant the voltage better than manual type switchboard.

Contact:

Miyanach Ind. Co., Ltd.

Mr. Charles Tseng

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Fax: +886-49-2528092

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2023-05-13

Hall: 2 Booth: 2A21

## SCHWEISSEN & SCHNEIDEN

### Gas cartridge edge welding torch set

The new PERKEO UPSIDE gas cartridge edge welding torch is the perfect little torch for special and short-term uses on the roof.

It is operated with the new UPSIDE special gas cartridges and burns for up to 45 minutes with a UPSIDE gas cartridge. The burner is immediately usable "overhead" and can be used in any position. The flame from the 25 millimetre high-performance burner head is extremely powerful and enables bitumen edges and corners to be welded on quickly. UPSIDE is the ideal little helper for all repair work on the roof.

#### Contact:

PERKEO-Werk GmbH + Co. KG

Herr Yassine Hönes

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2023-06-09

Hall: 5 Booth: 5A31

## SCHWEISSEN & SCHNEIDEN

Q-Fin F200 - small parts specialist

The F200 is a 3-station machine suitable for deburring, grinding and/or rounding small sheet metal parts.

This deburring machine has a grinding unit as the first processing station, followed by two bowl brushes. The grinding belt removes burrs or, if required, gives the product a nice line finish. The brushes round off the product and give the surface an even finish. The F200 has two counter-rotating brushes which ensure optimal rounding.

The F200 has been developed by Q-Fin to finish, at high speed, small flat plate parts up to 200 millimetre wide.

Contact:

Q-Fin B.V.

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2023-06-14

Hall: 3 Booth: 3B17

SCHWEISSEN & SCHNEIDEN

MULTI-GMAW SYN 200P AC/DC LCD PFC

Very powerful machine, with MMA, AC TIG, DC TIG and MIG function, machine performance and a good price-performance ratio.

<https://youtu.be/JCw28vqqB1c>

Contact:

Shanghai Hanker Electric Co., Ltd.

Ms. Vivin Yu

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201412 Shanghai

Peoples Rep. of China

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E-Mail: sales01@hankerelectric.com

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2023-06-19

Hall: 3 Booth: 3A40

## SCHWEISSEN & SCHNEIDEN

### New GoFa™ cobots

These are the game changers for the industrial quality collaborative robot market.

The newest GoFa™ cobots come with higher payloads, best repeatability and best-in-class lead through programming to give customers even greater flexibility and productivity with ease-of-use.

ABB will launch two new large GoFa collaborative robots in June, extending the reach and capacity for a multitude of applications including case packing, palletising and welding. There's much more to come in the full reveal.

#### Contact:

Danrobotics GmbH

Mr. Sebastian Schack

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2023-06-30

Hall: 1 Booth: 1A11

## SCHWEISSEN & SCHNEIDEN

### Gas welding and cutting equipment

IOXYGEN's products cover all categories of gas welding and cutting equipment. The main products like outfits, cutting torches, welding torches, heating torches, regulators, tips and accessories are all made in Taiwan.

The production processes are approved by ISO 9001 quality control system. The products are manufactured according to EN ISO standard.

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2023-06-08

Hall: 5 Booth: 5C02.B

## SCHWEISSEN & SCHNEIDEN

Resistance welding Copper alloys

Bars, hollow bars, coils and slabs of the following alloys suitable for resistance welding applications:

CRM16 | C18150 | CuCrZr, compliant with RWMA Class II norm

NS5 | CuNi3Si1 | CuNi2Si | C18000 | C64700

NB4 | CuNi2Be | C17150, compliant with RWMA Class III norm

CB4 | CuCo2Be | C17500, compliant with RWMA Class III norm

Contact:

Lebronze alloys

Mr. Boris Amoudru

Voie de Chalons

51600 Suippes

France

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E-Mail: [bamoudru@lebronze-alloys.com](mailto:bamoudru@lebronze-alloys.com)

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2023-06-19

Hall: 4 Booth: 4E17

## SCHWEISSEN & SCHNEIDEN

Welding wires, electrodes and consumables

Changzhou Wow International Trade Co., Ltd presents its variety of welding wires, electrodes and consumables.

Mild steel wire (MIG/TIG):

ER70S-6, ER49-1, ER70S-2/3, ER70S-G, ER80S-G, ER100S-G, ER110S-G

Diametre: 0.6 / 0.8 / 0.9 / 1 / 1.2 / 1.6 / 2.0 / 2.4 / 2.5 / 3.2 / 4 millimetre

Net weight: 0.7 / 0.9 / 1 / 2 / 4.5 / 5 / 15 / 18 / 20 kilogram each pack

Spool type: D100, D200, D270, D300, K300, SV300, B300, K415

Submerged arc welding wire:

H08A (EL12), H08MnA (EM12), H10Mn2 (EM12K), H10MnSi, H10MnSiA

Flux cored wire (gas shield / gasless):

E71T-1, E71T-GS, E71T-8, E71T-11, E70T-4, E71T-7, E81T1Ni1

Stainless steel wire / Aluminium alloy wire:

ER309, ER308, ER316, ER309L, ER308L, ER316L, ER309LSi, ER308LSi, ER316LSi, ER1100, ER4043, ER4047, ER5356, ER5183

Welding electrode:

E6013, E6010, E6011, E7018, E312-16, E316-16, HV600

Cutting / grinding disc: single / double mesh

Welding torch / cutting torches / contact tips / noozles

Welding helmet / PAPR (powered air-purifying respirator)

Welding glove / personal protective equipment

Carbon fiber and compressed hydrogen cylinder

Production line for welding wires

Contact:

Changzhou Wow International Trade Co., Ltd

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213000 Changzhou

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2023-06-14

Hall: 4 Booth: 4F35

## SCHWEISSEN & SCHNEIDEN

Train welding gun

Milco Manufacturing Company presents th train welding gun.

High pressure: Pressure up to 15KN (deflection less than two millimetre)

High current: Output current up to 21KA

Lighter: Ergonomic design, easy to operate and can be installed on any position

### Contact:

Milco Manufacturing Company

Mr. Martin Smith

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48091 Warren, MI

USA

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Fax: 0015867558653

E-Mail: [msmith@milcomfg.com](mailto:msmith@milcomfg.com)

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2023-08-04

Hall: 5 Booth: 5C15

## SCHWEISSEN & SCHNEIDEN

### Micro-laser wires

Laser welding and hardfacing with filler wire: This welding method used in the automotive, electronics, aeronautics, medical, jewelery and more has several advantages:

- | Depositing the minimum amount of material without altering the base metal properties
- | No distortion of parts, or too high temperature rises
- | Shiny bead appearance and no heating trace on peripheral areas
- | Seal set guarantee
- | Joining elements of small dimensions

Many metallic grades can be welded by laser micro-process: carbon steel, stainless steel, nickel base, aluminium alloys, titanium alloys and more. This highly specialized process allows deposits with the same or higher characteristics than the original ones.

The micro-laser filler metal range is available in:

- | 1 meter rods packed by 50 rods boxes
- | 330 millimetre rods packed by 150 rods
- | 50 meter spools on D100
- | Diameter range from 0,2 to 0,6 millimetre

Contact:

Selectarc

Ms. Salomé Adam

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2023-07-24

Hall: 1 Booth: 1B34

## SCHWEISSEN & SCHNEIDEN

New flux proportions for coated FELDER Silver brazing alloys

"Sometimes less is more" - this saying is familiar from many areas, including brazing. Because often a small amount of flux is sufficient for the brazing process if the conditions for the brazing process are optimally prepared.

The versatility of the brazing process requires sometimes more and sometimes less flux. When using bare brazing rods, it is possible to dose the amount of flux manually. If coated rods are used, the flux quantity is predetermined by the coating.

FELDER Löttechnik offers new flux jackets in three gradations:

Low: for optimally prepared soldering processes in industry

Medium: for handicraft and industrial production

High: for the construction site / installation

Did you know? Copper and Silver brazing alloys are available in a practical plastic quiver with a Euro hanger of five rods - an advantageous packaging for the DIY sector.

Contact:

FELDER GMBH Löttechnik

Herr Tino Markmann

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2023-08-04

Hall: 6 Booth: 6F22

## SCHWEISSEN & SCHNEIDEN

New prototype

SATO Maschinenbau GmbH & Co. KG has planned something very special: They drop the covers and present their new prototype.

Contact:

SATO Maschinenbau GmbH & Co. KG

Herr Kersten Juhls

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Germany

Fon: 02161 99420

E-Mail: [sales@sato.de](mailto:sales@sato.de)

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2023-08-30

Hall: 7 Booth: 7F21

## SCHWEISSEN & SCHNEIDEN

Modular and (laser)safe welding cabin

The laser welding housing meets all the requirements of European laws and regulations as described in the European Machinery Directive 2006/42/EC, the international laser safety standard IEC-EN 60825 and the Artificial Optical Radiation Directive.

Lascabine is the first company to offer such a modular and standardized laser safety cabinet. Because of this modularity it is possible to offer a suitable solution for every budget and at the same time provide a pleasant and fresh workplace. This keeps pace with the fast growing market of hand laser welding.

Contact:

Lascabine.nl

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Netherlands

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2023-08-31

Hall: 1 Booth: 1C08

## SCHWEISSEN & SCHNEIDEN

Sinius a controller with many faces

As part of the Harms+Wende Group, "PROCON PAS Elektronik GmbH" will show you innovative ideas and the latest solutions for resistance welding.

The focus is on the Sinius welding processors. This product range gives you new freedom in the design of your machine and application. Whether in a complex system or as a single-user system, the visualization takes place with your own user interface on your PLC. As a new interface between the PLC and the power units, the Sinius welding processor carries out the welding process. All Sinius welding processors can be equipped with different field bus variants such as PBS, PNIe, ECT or CAN for the PLC.

At the trade fair we will present a touch panel with a user interface and a Sinius 7043-2 Multi for 18 transformers. We would like to give you a brief overview of the range of functions of the Sinius.

### **An all-rounder with many faces**

It doesn't matter whether 50Hz or medium frequency, all applications are also possible, such as spot, hump, roll seam, press butt, or flash butt welding. The visualization or the user interface can be designed individually. The principle is always the same - a controller with eight programs, each with ten time segments. If that is not enough for you, change the programs via the PLC according to the variety of your applications. For communication between the programming unit (like PLC) and Sinius control, we offer you PLC modules and training courses tailored to your application.

Contact:

PROCON PAS Elektronik GmbH

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Germany

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2023-06-09

Hall: 6 Booth: 6D11

## SCHWEISSEN & SCHNEIDEN

Ferro alloy powders, metal powders, minerals, chemicals and steel strips

Established in 1967 in Mumbai, India, JAYESH Industries is a manufacturer and global supplier of Ferro alloy powders, metal powders, minerals, chemicals and steel strips.

The products are supplied for manufacturing of welding electrodes, flux cored wires, wear resistance plates and saw flux.

The company has a state of the art manufacturing plant and a fully equipped laboratory.

Contact:

Jayesh Industries Ltd.

Herr MONIL SHAH

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India

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E-Mail: [monil@jayeshians.com](mailto:monil@jayeshians.com)

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2023-08-30

Hall: 3 Booth: 3C67

## SCHWEISSEN & SCHNEIDEN

### Our Mission - Low Emission

Hermann Fliess & Co. GmbH has the objective to produce welding consumables in a more ecological way. Now the new product range of welding wires will be presented, which is characterized by a very low CO2 footprint.

For these Low Emission welding wires, the company has managed to reduce the CO2 emissions by approximately 60 per cent. All Low Emission welding wires are manufactured entirely in Germany - from the steel mill to the finished welding wire.

A not inconsiderable saving in resources can also be achieved by using high-strength steels. Hermann Fliess & Co. GmbH manufactures one of the most extensive product ranges of high-strength welding wires. This product range is now completed by the world premiere of ED-FK1150.

ED-FK1150 is the first solid wire for MAG welding of fine-grain steels up to a tensile strength of 1.150 MPa with base metal-like properties.

### Contact:

Hermann Fliess & Co. GmbH

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47059 Duisburg

Germany

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E-Mail: o.penning@fliess.com

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2023-03-19

Hall: 6 Booth: 6G24

## SCHWEISSEN & SCHNEIDEN

Circ seam milling machines – cost-efficient machine technology for weld seam preparation and seam repairs

Graebener® circ seam milling machines ensure the cost-efficient, reliable and safe preparation of circ seams at pipes, vessels and apparatuses – at milling depths of up to 120 millimetre. For this reason, they have been among the most popular seam milling machines for the preparation of seams of extremely narrow welding gaps for years. Actual usability studies give proof of cost benefits of more than 50 percent.

Compared to the common processes such as carbon rod gouging or grinding, the milling process provides numerous advantages:

- | Improved groove quality
- | Reduction of processing time
- | Prerequisite for an automated welding process
- | Reduction of weld seam errors
- | Visual check of internal weld root is possible
- | Reduction of weld deposit and thus reduced introduction of heat
- | Reduction of energy demand
- | Improved working conditions
- | Recyclable chips

With this technology operators do not only save time and money, they also preserve the health of their operators and considerably improve the quality of the seam preparation – eliminating the need for manual reworking.

Graebener® circ seam milling machines are supplied in various capacity classes and two different designs: as transportable design which can easily be moved to the workpiece by crane or forklift truck or as rail bound solution. On request the company also develop customize special machine designs.

### **Further technical advantages:**

- | Milling speed of up to 600 millimetre per minute
- | Precise seam tracking at the control screen thanks to integrated camera and laser
- | Compensation of the lateral workpiece drift by  $\pm 35$  millimetre
- | Application of cost-efficient milling tips with multiple cutting edges



Constant depth of the seam preparation: all machines are equipped with an intelligent sensor system for the compensation

Contact:

Gräbener Maschinentechnik GmbH & Co. KG

Frau Sabrina Rohde

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57250 Netphen

Germany

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E-Mail: [s.rohde@graebener.com](mailto:s.rohde@graebener.com)

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2023-03-09

Hall: 7 Booth: 7F33

## SCHWEISSEN & SCHNEIDEN

Welding rotator, welding column boom, welding positioner

Weldsuccess as an ISO approval manufacturer, the mainly products are welding rotator, welding column boom and welding positioners.

All products are with CE approval.

Contact:

WUXI WELDSUCCESS AUTOMATION EQUIPMENT CO. LTD

Mr. Qian Jason

No.76 Liulv Road

214000 Wuxi

Peoples Rep. of China

Fon: +861526166 0915

E-Mail: [info@weldsuccess.com](mailto:info@weldsuccess.com)

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2023-09-04

Hall: 4 Booth: 4B08

## SCHWEISSEN & SCHNEIDEN

FerroTiC Titanium Carbide steel

Advanced Metallurgy Technology Co., Ltd. presents FerroTiC Titanium Carbide steel cemented hardmetal powders for HVOF thermal spraying at volume price 1/4 of WC-10Co-4Cr or laser cladding.

### **AMTmetalTech**

Unique top quality world lowest price FerroTiC Titanium Carbide cemented hardmetal powders for HVOF thermal spraying adopt duplex stainless steel as the matrix, so that the corrosion resistance is better than 316L. Wear resistance is next to WC-10Co-4Cr. Volume price is one quarter of WC-10Co-4Cr. Also can be used for high speed laser cladding of wear and corrosion resistance. [www.AMTmetalTech.com/PatentProducts/](http://www.AMTmetalTech.com/PatentProducts/).

As the world leading Metallurgy company of solutions in 1000 degree high temperature severe corrosion / erosion / cavitation / abrasion / wear resistance, AMTmetalTech philosophy is always making various alloy powders including gas atomized MCrAlY / inconel / stellite / duplex stainless steel powders, and agglomerated sintered WC-Co / Cr<sub>3</sub>C<sub>2</sub>-NiCr / mo powders at consistent top quality, continuous lowest price, quickest delivery in the world.

[www.AMTmetalTech.com/StandardProducts/](http://www.AMTmetalTech.com/StandardProducts/)

Contact:

Advanced Metallurgy Technology Co., Ltd.

Mr. Mingsheng Zhu

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264006 Yantai

Peoples Rep. of China

Fon: +865352165171

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2023-02-14

Hall: 3 Booth: 3A50

## SCHWEISSEN & SCHNEIDEN

EnDOtec SAFE-HARD 600 - Chrome and Nickel-free solid cored wire

Worldwide, eleven million workers are estimated to have a job title as welder, and around 110 million additional workers probably incur welding-related exposures. Extraction and filtration are mandatory. Additionally, the absence of Chrome and Nickel in safe-hard contributes actively and exceptionally to increase the safety of both the welder and other workers in the area.

### **Cost effective for all industries**

Medium alloy steel with high C-content, with very fine carbides in small grain size matrix. The deposit offers excellent resistance to wear caused by the right balance of impact and abrasion. The product reaches 600Hb hardness after welding and shows improved performance compared to traditional 600Hb nine per cent Chrome alloys.

### **Features and customer benefits**

- Low heat input peripheral arc characteristics
- Improved service life of torch contact tips
- Lower risk of lack of fusion defects
- Virtually zero moisture pick-up on wire in humid conditions
- Minimal solid residues accumulation in lining/torch
- Cleanest wire surface condition for perfect feeding

Buy products on

E-shop: [https://www.castolin-webshop.de/?mtm\\_campaign=schweissen-schneiden-tradeshow-website&mtm\\_source=affiliate&mtm\\_medium=online-forum](https://www.castolin-webshop.de/?mtm_campaign=schweissen-schneiden-tradeshow-website&mtm_source=affiliate&mtm_medium=online-forum)

Contact:

Castolin Eutectic GmbH

Mr. Daniel Weber

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65830 Kriftel

Germany

Fon: +4961924030

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E-Mail: [daniel.weber@castolin.com](mailto:daniel.weber@castolin.com)

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2023-08-24

Hall: 3 Booth: 3C24

## SCHWEISSEN & SCHNEIDEN

Innovations for compressed air-free dressing of electrode tips

A completely new electrode tip dresser and a newly developed electrode tip dresser changer combination will be presented for the first time at the KYOKUTOH booth. Both devices will take the automation in the welding cell to a new level.

It hasn't gone unnoticed that more and more plants are running out of air, so you'll find innovations that put an end to pneumatic driven machines. So take a deep breath, convince yourself of non-pneumatic dressing.

Contact:

KYOKUTOH Europe GmbH

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Germany

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E-Mail: [elke@kyokutoh.de](mailto:elke@kyokutoh.de)

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2023-06-26

Hall: 8 Booth: 8C21.A

## SCHWEISSEN & SCHNEIDEN

### SE1132 Welding goggle

Indirect ventilation, soft, flexible vinyl frame, lightweight, polycarbonate green lens shade No.5, fits over personal spectacles. Used for gas welding, cutting and brazing operations.

Compliance: ANSI Z87.1, CE EN175

#### Contact:

Pan Taiwan Enterprise Co., Ltd.

Mr. Ricky Chung

16F-1, No.16 Jian Ba Road, Chung Ho District

235603 New Taipei City

Taiwan

Fon: +886-2-8226-5199#212

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E-Mail: [rickychung@pantaiwan.com.tw](mailto:rickychung@pantaiwan.com.tw)

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2023-07-12

Hall: 7 Booth: 7D10

## SCHWEISSEN & SCHNEIDEN

Aluminium resistance welding H-trode

The Luvata H-trode cap electrode is a high conductivity cold-formed Copper electrode.

The combination of advanced Copper metallurgy and Luvata's cold-forming technology gives you an electrode that outperforms conventional electrodes when welding Aluminium.

### Contact:

Luvata Welwyn Garden Ltd.

Mr. Jens Klostermann

Centrapark, Bessemer Road

AL7 1HT Welwyn Garden City

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2023-06-02

Hall: 7 Booth: 7D24

## SCHWEISSEN & SCHNEIDEN

Professional laser pipe cutting machine

XQL LASER CHINA CO.,LTD present its laser pipe cutting machine.

Square pipe processing range: 15\*15 to 150\*150 (millimetre) - L6000 millimetre

Complete machine size: 11000\*2300\*2100 (millimetre)

Round pipe processing range: 220/350 (millimetre; customizable) - L6000 millimetre

Unloading device (optional): one metre / two metre / three metre

Power: 1500W to 3000W

Contact:

XQL LASER CHINA CO.,LTD

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E-Mail: [simon@xqlaser.com](mailto:simon@xqlaser.com)

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2023-06-14

Hall: 3 Booth: 3B15

## SCHWEISSEN & SCHNEIDEN

### Full-digital IGBT inverter multifunctional ACDC TIG Welder

Full range of welding applications: carbon steel, 9Ni, stainless steel, alloy steel, copper, magnesium alloy, aluminum, AL alloy, and others, adaptive for dissimilar-metal welding.

- | Extensive welding functions: AC-DC TIG, AC-DC Pulse TIG, high-speed TIG spot welding, and MMA
- | Full digital intelligent control: the internal background menu is open and adjustable to better satisfy more technical requirements of various working conditions
- | VRD anti-shock function: there is an adjustable arc force in MMA mode and better arc stiffness
- | IoT interface is reserved: quickly connected to Megmeet SMARC management platform or the third-party welding data management system to realize efficient welding interconnection
- | Communication interface is reserved: robotic communication modules can be selected to connect different brands of robots and automation devices
- | U-disk interface: ensures customers easily obtain Megmeet's cutting-edge welding process or customized software
- | Optional foot switch, water-cooler, water-cooled torch, trolley, and more

Contact:

MEGMEET Germany GmbH

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Peoples Rep. of China

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Fax: +8675561887877

E-Mail: [kpschmidt@megmeet.com](mailto:kpschmidt@megmeet.com)

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2023-02-07

Hall: 6 Booth: 6B31

## SCHWEISSEN & SCHNEIDEN

SATURNAX 01: Making welding look easy

Statistics show that in the very near future there will be a shortage of welders. The average age of welders is now at 55 and with welders leaving for retirement there will soon be a shortage.

But not to worry because Saturnax 01, the flux cored arc, automatic welding bug specifically designed to increase your welding productivity and encourage welder autonomy is here.

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2023-06-14

Hall: 6 Booth: 6F15

## SCHWEISSEN & SCHNEIDEN

### Sumig Intellitorch

Sumig Intellitorch is a MIG/MAG welding tool equipped with a programmable electronic device which is capable of analyzing and controlling in real-time, the welding process parameters, interfering and avoiding failures.

It is a worldwide innovative product, distinct from all other devices that are capable of monitoring the process and providing reports of the welding already concluded, the equipment Sumig Intellitorch helps the welder to prevent the error.

The equipment is able to identify many users, parameterized by one password-protected administrator.

Monitoring the welding's machine current and voltage, interacting on time with the welder, warning if using the parameters out of the procedure specification and, interrupting the machine in the case of reaching parameters that are considered critical.

Additional benefits that can be enforced are the goal of training welders in practice and the possibility of the standard parameters calibration from the power source panel.

#### Contact:

SUMIG Solucoes Para Solda Ltda.

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Av. Angelo Corsetti, 1281

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Brazil

Fon: +555432203900

E-Mail: [export@sumig.com](mailto:export@sumig.com)

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2022-11-14

Hall: 2 Booth: 2C38

## SCHWEISSEN & SCHNEIDEN

### HFT-2000 SS Collaring Unit

Pipe branching by the T-DRILL method is also called collaring, mechanical tee forming, or simply T-DRILL tees. The T-DRILL method of pipe branching is an ideal solution for making tee joints in main run tubes in just a couple of minutes. HFT-2000 SS is used in conjunction with the T-DRILL T-65 SS collaring machine. The Hand Feed Table (HFT) is capable of producing collars O.D. 17 to 54 millimetre ( $\frac{3}{4}$ " – 2") in run tubes O.D. 32 to 114 millimetre ( $1\frac{1}{4}$ " – 4").

- | No T-fittings
- | No costly inventories
- | No tube cutting
- | Only one welded joint
- | Minimized inspection cost
- | Tee ratio variation flexibility
- | Smaller risk of leakage or call-backs
- | Optimized flow-characteristics
- | Hygienic, clean weld points

[T-DRILL HFT-2000 SS Product page](#)

[T-DRILL technologies](#)

Contact:

T-DRILL OY

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2023-07-17

Hall: 5 Booth: 5D18

## SCHWEISSEN & SCHNEIDEN

### Omnira COMBI air

The Omnira COMBI air is an autodarkening welding helmet with an advanced built-in air distribution system and flip-up welding shield.

It provides protection of the user's eye and face from harmful radiation including visible light, ultra-violet (UV), infra-red (IR) radiation, hot sparks and spatters resulting from arc welding and cutting. At the same time it provides protection against high speed particles.

#### Contact:

MALINA - Safety s.r.o.

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2023-03-10

Hall: 5 Booth: 5B06

## SCHWEISSEN & SCHNEIDEN

QuEISI® - the toughest of it's kind

Finally, the time has come. After nine years of development and planning, the newest alloy is "ready for the market" and quada V+F Laserschweißdraht GmbH presents QuEISI®.

No alloy available on the market is harder and can be welded as effortlessly as QuEISI®. Despite the high carbon content, the material can be used as laser welding wire, TIG, MIG/MAG and powder welding without cracking. The special alloy can be used for repair and cladding, especially on high-performance tool steels.

The achievable hardness is 62 to 66 HRC, depending on the machining and the welding layers.

For more information, please visit [www.quada-queisi.de](http://www.quada-queisi.de)

Contact:

quada V+F Laserschweißdraht GmbH

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Hellestr. 40

58675 Hemer

Germany

Fon: +492372556410

E-Mail: [co.thiel@quada-office.com](mailto:co.thiel@quada-office.com)

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2023-08-25

Hall: 6 Booth: 6E09

## SCHWEISSEN & SCHNEIDEN

High speed straight line wire drawing machines

Sharp tools are in the process of developing MMAW electrode extruders using advanced electronic systems replacing conventional hydraulic systems.

Sharp tools have also developed high speed straight line wire drawing machines offering high efficiency and high productivity.

Contact:

Sharp Tools India

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2023-08-30

Hall: 7 Booth: 7F11

## SCHWEISSEN & SCHNEIDEN

ALPHA Automatic beveling machine

COFIM SYSTEM is currently the only manufacturer to offer mobile CNC machining solutions without programming.

The ALPHA range is designed to produce complex chamfers on thick material (from 20 to over 100 millimetre). Its automated operation, combined with integrated profile calculation, makes it the ideal tool for increasing productivity and operator autonomy.

Contact:

COFIM SYSTEM

Herr Hugo DOUSSOT

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E-Mail: [h.doussot@cofim.fr](mailto:h.doussot@cofim.fr)

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2023-05-26

Hall: 2 Booth: 2C40

## SCHWEISSEN & SCHNEIDEN

Manufacturer of stainless steel welding wires and welding electrodes

The company Superon Schweisstechnik India Limited is one of the leading manufacturers of stainless steel wires and welding electrodes in India.

The product range consists of stainless steel welding wires / consumables (MIG, TIG, Subarc, electrodes), submerged arc welding wires and welding electrodes. The company produce as well stainless steel fine wires for braiding, weaving and knitting applications.

### Contact:

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India

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E-Mail: [expbd@superoncorp.com](mailto:expbd@superoncorp.com)

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2023-05-21

Hall: 5 Booth: 5C02.G

## SCHWEISSEN & SCHNEIDEN

### Dedicated services

To always guarantee a high level of services and to meet the growing demands of its customers Soudax offers test welding, demonstration, loan & rental, installation & training, control & checking, warranty extension and repairs.

The machines are built to last, and the Soudax team train the customers to get the most out of them. With Soudax, you are not only choosing equipment, but also services which will make you stand out as a manufacturer.

<https://soudax.com/en/how-to-weld-training-demonstration-welding/>

### Contact:

Soudax Equipments

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France

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E-Mail: ccochet@soudax.com

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2023-07-12

Hall: 3 Booth: 3A47.1

## SCHWEISSEN & SCHNEIDEN

Mobile robot system for welding

Innovation at all levels - that's what's behind the welding cobot from ALPAKA. The mobile robot brings the welding system to the component and opens up a new flexibility for your workshop.

The welding cobot is a CE-compliant complete solution of the Plug & Weld series. That means, plug in and off you go with the advantages of the automated welding system: You save energy, increase the quality in the weld seam and all this with easy handling of the robot directly on the component on site.

Contact:

ALPAKA GmbH & Co. KG

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2023-02-27

Hall: 5 Booth: 5B30

SCHWEISSEN & SCHNEIDEN

SYNSTAR 350 - 400 - 500 TS

Cebora presents the new professional SYNSTAR line.

Contact:

CEBORA S.p.A.

Mr. Gianluca Selleri

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2023-06-26

Hall: 8 Booth: 8C21.E

SCHWEISSEN & SCHNEIDEN

Welding goggles-L336

IR5 Welding goggles with dual colour frame.

CE EN169

Contact:

MANSION ENTERPRISES CO., LTD

Mr. JOANNA LEE

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2023-06-18

Hall: 1 Booth: 1D39

## SCHWEISSEN & SCHNEIDEN

In the new Triangle design: the TIGZONE Endurance series

Four torch types for demanding TIG applications. Two air-cooled, two water-cooled. That is the new TIGZONE Endurance series. EWS is presenting the AE130, AE210, AQ310 and AQ410 high-performance torches for the first time.

The high-performance torches come in a new triangle design and feature various switch options. The hose packages with Super-Flex® cables, sheathed in high-quality snake leather, ensure flexibility during welding. What's more, they are compatible with any welding machine.

EWS is also presenting its GEN3 tungsten electrode to match. It has a pearl copper colour code and a rare earth content of three percent. Its high ignition friendliness and long service life are impressive, even in demanding industrial applications. Welders play it safe with EWS.

Within the ERGO series of the RHINO PROTECTION brand, five particularly ergonomic welding gloves provide protection for all TIG and MIG/MAG applications.

Contact:

EWS - European Welding Service GmbH

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E-Mail: [bas@ewsgmbh.com](mailto:bas@ewsgmbh.com)

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2023-02-20

Hall: 2 Booth: 2A26

## SCHWEISSEN & SCHNEIDEN

### WAAM Technology

GED?K Welding together with Istanbul GED?K University conducts R&D works in the field of Metal Additive Manufacturing, particularly in the field of Robotic Wire Arc Additive Manufacturing (WAAM).

GED?K Welding develops and produces new generation of solid and metal cored wires for innovative and challenging 3D WAAM applications, where low and high strength design requirements both may exist. Non-ferrous welding wires such as stainless steel, aluminium and bronze alloys can also be provided together with respective process and material data sheets that designers and customers can readily use for their WAAM applications.

GED?K Welding can provide “ GeKa WAAM Cell” including welding robot, power source, positioner together with respective software and special wires including GeKa WAAM Data Sheets.

Ask us about the manufacturing system for your Metal 3D part using Robotic WAAM Technology

Ask us about obtaining the best WAAM welding wires for your Metal 3D Part

Ask us about education – training – certification of your WAAM (DED-Arc) Engineers and Operators

At the booth you will learn more about the exceptional value of WAAM technology.

#### Contact:

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E-Mail: ogursoy@gedik.com.tr

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2023-07-06

Hall: 5 Booth: 5C28

## SCHWEISSEN & SCHNEIDEN

There is something new coming

Lorch Schweißtechnik GmbH will present its latest innovation - and it is impressive in terms of performance, operation, design, networking and future.

Those who have already had the chance to try out the system and work with it are quite impressed - some think that Lorch will set a new benchmark with it.

### Contact:

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2023-09-04

Hall: 3 Booth: 3B12

## SCHWEISSEN & SCHNEIDEN

Visual Components' upcoming OLP software

The World's leading offline robot programming (OLP) technology for fast, accurate and error-free programming of industrial robots will be first showcased. The OLP software can be used to increase robot utilization rate by over 90 per cent.

Contact:

Visual Components Oy

Ms. Ekaterina Berdysheva

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E-Mail: [ekaterina.berdysheva@visualcomponents.com](mailto:ekaterina.berdysheva@visualcomponents.com)

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2022-12-14

Hall: 5 Booth: 5A34

## SCHWEISSEN & SCHNEIDEN

Pressure reducers

The 60 bar MEGA HP pressure reducer to power an individual laser cutting system.

The MAXYMUM pressure reducer for operating pressures up to 100 bar.

Contact:

Oxyturbo SpA

Ms. Simona Maccabiani

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Italy

Fon: +390309911855

E-Mail: [simona.maccabiani@oxyturbo.it](mailto:simona.maccabiani@oxyturbo.it)

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2023-08-14

Hall: 6 Booth: 6A28

## SCHWEISSEN & SCHNEIDEN

Innovative edge preparation technology with portable pipe and plate beveling machine

Innovative edge preparation technology with AHA's portable pipe and plate beveling machine.

Website: [www.ahaind.com](http://www.ahaind.com)

The compilation of demonstration

-> <https://youtu.be/sGVk8f0yeb0>

3D Movie

-> <https://youtu.be/9m3So-cFP5Q>

Upside-down pipe edge beveling on site

-> <https://youtu.be/H8tcfhdv2hw>

AHA Ind Co. \_Youtube Channel

-> <https://www.youtube.com/channel/UCVXI7-fLzkKEoBRu33SELNQ/videos>

Contact:

AHA INDUSTRIAL CO.

Herr Tom Lee

. # 312-ho, Techno 2-ro 187,

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Korea, Republik

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E-Mail: [aha.overseas@gmail.com](mailto:aha.overseas@gmail.com)

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2023-06-09

Hall: 1 Booth: 1C32

## SCHWEISSEN & SCHNEIDEN

Quickly mill a perfect radius or a slanted bevel or edge

Edge bevelling means to apply a slanted edge under a certain angle to a metal workpiece. Applying bevels has great advantages. The bevel allows a larger welding surface, so that the consumable material can attach to more spots. Hereby, the connection between the two sheet components is improved and well as the weld fill.

With the TopEdge by Q-fin, you can easily and quickly mill bevels. It is also possible to mill a Radius of choice, from R=2 to R=8, to your product (steel, aluminium or stainless steel).

Contact:

Metaaltechniek B.V.

Herr Rob Van Aerssen

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3821 BR Amersfoort

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Fon: +31334558788

E-Mail: [ibronsema@metaaltechniek.nl](mailto:ibronsema@metaaltechniek.nl)

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2023-06-30

Hall: 3 Booth: 3C67

## SCHWEISSEN & SCHNEIDEN

### PIT System "Weldline 10"

PIT - Pneumatic Impact Treatment is a reproducible process that selectively induces compressive residual stresses in critical areas of your components while optimizing the geometry at the weld transition of weld seams. As a result, it counteracts the formation of fatigue cracks from the outset.

Furthermore, PIT enables manufacturers of dynamically loaded structures to realize lightweight potential with material savings of up to 40 per cent, while complying with fatigue classes and ensuring high component safety.

In addition to numerous scientific evidence regarding the HFMI effect itself, the University of Stuttgart has specifically confirmed the high reproducibility of PIT without the risk of overtreatment.

#### Contact:

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2023-06-21

Hall: 5 Booth: 5C17

## SCHWEISSEN & SCHNEIDEN

Extract and treat effectively welding fumes

Hazardous gases and particles are generated during welding. These substances can cause chronic respiratory and cardiovascular diseases and even cancer. To protect the health of operators, it is essential to extract and treat these fumes.

In order to extract the greatest possible volume of fumes before they can enter the operator's respiratory tract and mix with the ambient air, it is important to choose an extraction device as close as possible to the source of the fumes. The most effective tool is a welding extraction torch combined with an extraction unit.

ENGMAR, the specialist in welding fume extraction, offers its new "winning combination", which meets the high level of protection demanded by DIN ISO 21904.

The 420 extraction torch enables continuous high-intensity welding at any angle and in any position, while combining ergonomics and productivity. The ATMOWFLOW extraction unit is the safest on the market, treating up to 99.95 per cent of welding particles of 0.3µm and over.

Contact:

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2023-05-28

Hall: 4 Booth: 4H31

## SCHWEISSEN & SCHNEIDEN

### ReadyRoboticCell R300 / R600

The best-selling ReadyRoboticCell R300 is equipped with either one or two robots and is supplied with a comprehensive set of safety features.

The R300 positioner features a twin station solution where the robot works on one side and the operator loads and unloads on the other side. The workpiece is rotating around one axis during operation and all axes are reoriented at station changes.

The RRC R300 can carry fixtures of 300 kilogram with dimensions of 1600 x 1000 millimetre. The R600 positioner is capable of carrying 600 kilogram and dimensions of 2000 x 1200 millimetre.

A big benefit are the short walking distances. This improves the job satisfaction and the production output. Another advantage is that all components are placed on a base frame. Therefore installation at location is done in one day.

#### Contact:

Robwelding

Herr Martijn Hubers

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Netherlands

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E-Mail: [m.hubers@robwelding.nl](mailto:m.hubers@robwelding.nl)

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2023-06-15

Hall: 6 Booth: 6G20

## SCHWEISSEN & SCHNEIDEN

### MAB 825 KTS: Magnetic drilling and milling machine

Full performance and flexibility for steel, plant and machinery construction. MAB 825 KTS the innovative portable milling machine also called as magnetic base drilling milling machine is an advanced machine tool equipped with cross table base.

MAB 825 KTS has won the prestigious Red Dot Award: Product Design 2021. Red Dot Design Awards, one of the most renowned design competitions in the world, has chosen this most innovative product for an award. Each year Red Dot Awards cherry-picks the very best of innovative design in the world of technology and this year has been no exception: The MAB 825 KTS Magnetic drilling and milling machine with cross-table base.

The stable cross table allows offset drilling and hole patterns. The optional collet chuck available facilitates light-duty milling tasks such as elongated holes or slots. Ideal for milling, drilling, tapping, countersink and reaming. Made in Germany.

#### Contact:

BDS Maschinen GmbH

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Germany

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Fax: +492161354615

E-Mail: [raut@bds-maschinen.de](mailto:raut@bds-maschinen.de)

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2023-06-25

Hall: 4 Booth: 4G22

## SCHWEISSEN & SCHNEIDEN

Flux cored welding wire production line

The high performance flux cored welding wire production can make the standard wire products started from strip and ended directly at the final diameter.

The high accuracy powder feeding system and reliable forming rollers can make the strip formed into specific shapes with required filling ratio. The company also has rolling cassettes and die boxes during drawing process that optional for customers.

Contact:

BEIJING ORIENT PENGSHENG TECH. CO., LTD

Mr. RIVER Qi

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Peoples Rep. of China

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E-Mail: riverqi@vip.126.com

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2023-07-10

Hall: 6 Booth: 6C30

## SCHWEISSEN & SCHNEIDEN

### WPS-12-24 - pipe sawing machine

The WPS-12-24 - pipe sawing machine has been developed by Th. Wortelboer to easily and quickly set a pipe to the correct length, clamp it and cut the pipe using a carbide saw blade.

Through the control, a pneumatic/hydraulic pressure cylinder ensures that the saw blade saws through the pipe and the rotating movement is controlled by a separate servo motor. Started and the pipe is cut to size, square and fast.

The motor is designed for sawing pipes with a wall thickness of approximately four millimetre and then up to approximately 20 to 25 millimetre. So very easy and universally applicable.

Because the saw blade is also driven by a servo motor, the speed can be adjusted from high to low and therefore both steel and stainless steel can be used. The advantage of the servo motor is that it operates both at a low speed and at a high speed, each giving a high, constant torque.

#### Contact:

Th. Wortelboer B.V.

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2023-08-31

Hall: 3 Booth: 3C10

## SCHWEISSEN & SCHNEIDEN

### KE welding machine BOKLI AUTOMATION CELL

The KE welding machine -BOKLI AUTOMATION CELL- will be presented.

- Minimal space requirement: everything is on 1m<sup>2</sup> floor space, incl. control cabinets
- Electrode quick clamping system: change of welding electrodes in seconds
- DPMA protected welding portal: energy and space optimized
- Plug & Play: no installation costs and fast commissioning
- In-house toolmaking: optimized welding tools from BOKLI
- Everything from one source: short decision and delivery times
- Integrated remote maintenance: qualified technical support also available online

#### Contact:

BOKLI Bock & Klingeberg GmbH

Herr Klaus Klingeberg

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2023-06-14

Hall: 8 Booth: 8C11

## SCHWEISSEN & SCHNEIDEN

### Deburring machine DiscMaster 6TD

The Discmaster 6TD is equipped with six rotating discs that oscillate over the entire conveyor width. Three different tools can be used simultaneously, which significantly increases the versatility of the machine.

The unique technology enables cost-effective deburring and rounding of laser, plasma and flame-cut parts and offers decisive advantages over conventional machines.

Tools are used for slag removal, deburring, edge rounding and removal of the oxide layer. Machining is performed 360° uniformly from all directions. The DiscMaster 6TD is available in 1000, 1500 and 2000 millimetre working width.

#### Contact:

Jakob LÖWER, Inh. von Schumann GmbH & Co. KG

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Fax: +495681990499

E-Mail: [evs@loewer-maschinen.de](mailto:evs@loewer-maschinen.de)

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2023-06-14

Hall: 7 Booth: 7A10

## SCHWEISSEN & SCHNEIDEN

Flame retardant welding jacket

Hybrid welding jacket with split cow leather & FR cotton, sew with Kevlar offering torso protection with cool comfort.

Ventilated and breathable design on back for much better comfort.

Contact:

Wuzhou Ally Protect Co.,Ltd

Ms. Emma Wang

. Longsheng Tianping

543311 Wuzhou City, Guangxi

Peoples Rep. of China

Fon: +867747189317

E-Mail: [emma@allyprotect.com](mailto:emma@allyprotect.com)

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2023-09-10

Hall: 8 Booth: 8B12

## SCHWEISSEN & SCHNEIDEN

### Robotic-guided welding

For recurring tasks and series, the easy connection to the HORST industrial robot enables automation of the welding process.

Due to the graphical programming interface, the robot allows easy adjustments of the desired contours in case of component or batch changes.

PRIMA TECHNIK Maschinenbau GmbH offers complete solutions for your welding task, like including part handling and safety technology.

#### Contact:

PRIMA TECHNIK Maschinenbau GmbH

Herr Shanujan Yogarajah

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2023-07-16

Hall: 7 Booth: 7D22

## SCHWEISSEN & SCHNEIDEN

Robotic structural steel assembler

Agen Duo which has two industrial robots is a fully automatic robotized structural steel assembler.

One of the robots is handling robot and carries magnetic gripper and also laser scanner. It can carry plates or add parts up to 400 pounds (approximately 200 kilogram). Optionally it can carry stud welding unit.

The other one is a welding robot with high accuracy sensors. It measures profile geometric properties and also welds with high quality up to a 15. It has multi pass weld support.

<https://youtu.be/gOgN0Py2Lbg>

Contact:

Abka Yazilim Otomasyon Ltd. Sti. // Agen RSSA // Robotic Structural Steel Assembler

Mr. Zübeyir Mustafa Cakir

Körfez Mah. 19 Mayıs Evleri 188/5

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2023-04-18

Hall: 3 Booth: 3B17

SCHWEISSEN & SCHNEIDEN

GTAW 200P PFC

GTAW 200P PFC with power factor more than 0.99 has multiple advantages such as energy saving and wider input voltage. It works with 110V and 220V.

You can select unique spot time/pulse time function and pre/post flow time freely. GTAW 200P PFC with pulse has perfect performance on ultra thin surfaces with no deformation. It is equipped with temperature, voltage and current sensors for high protection.

Contact:

Shanghai Hanker Electric Co., Ltd.

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Peoples Rep. of China

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E-Mail: [sales01@hankerelectric.com](mailto:sales01@hankerelectric.com)

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2023-09-10

Hall: 8 Booth: 8C38

## SCHWEISSEN & SCHNEIDEN

Pritec Acros 80S CNC-plasma cutting system

A compact CNC plasma cutting system is showcased.

### Contact:

Pritec Automation

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2023-06-26

Hall: 2 Booth: 2A10

## SCHWEISSEN & SCHNEIDEN

Glory kit KHCB-23 gas welding and cutting kit

Glory kit packed in a tool bag offers a convenient carrying and storage.

Cuts up to 6"(150 millimetre)

Welds up to 3/8" (9 millimetre) steel

Medium Duty. UL Listed.

Pressure regulator with encapsulated valve seat design provides stable gas flow and pressure.

Full accessories give you instant welding, cutting and brazing.

Contact:

KAYO Products Co., Ltd

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2023-06-09

Hall: 1 Booth: 1C17

## SCHWEISSEN & SCHNEIDEN

### INVERTIG i - The new TIG welding machines

REHM GmbH u. Co. KG Schweißtechnik has succeeded in what many did not think possible - they have added one more on the benchmark for TIG devices. Now the company presents another innovative new product from REHM: the new INVERTIG i.

The next generation of three-phase TIG devices, the INVERTIG i, will continue REHM's tradition as a technology leader in this segment.

Compared to the INVERTIG.PRO digital, the INVERTIG i HIGH has a number of new developments to offer that are useful for the user.

The most important are:

- | New AC waveforms
- | SPOT for DC and AC
- | PULS DC up to 17,500 Hz
- | PULS AC up to 17,500 Hz
- | Average display
- | Welding current adjustable above average
- | Value independent of the pulse current I<sub>2</sub> for the second torch trigger
- | 4 QUICK CHOICE buttons

Furthermore, REHM has put together attractive premium sets with the REHM Quick Connect torches for the INVERTIG i, as well as for their new MIG/MAG series SYNERGIC.ARC.

The INVERTIG i can be ordered in the following versions:

INVERTIG i 260 DC und AC/DC HIGH

INVERTIG i 310 DC und AC/DC HIGH

INVERTIG i 350 DC und AC/DC HIGH

Contact:

REHM GmbH u. Co. KG Schweißtechnik

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2023-07-06

Hall: 4 Booth: 4F38

## SCHWEISSEN & SCHNEIDEN

### MetalXL

MetalXL is built by MX3D to enable 3D metal printing of large metal parts in-house, using robotic WAAM technology (Wire Arc Additive Manufacturing).

MetalXL is integrated to an off-the-shelf industrial robot and power source and transforms it into an industrial grade 3D metal printer.

Its streamlined end-to-end workflow allows users to easily manage the whole printing process from design to print, including data monitoring, logging and analytics.

MetalXL is independent of hardware configuration and easy to use. It offers diverse features to both print with preset metal alloys and process parameters, or customize the entire process to your own needs.

### Contact:

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2023-06-06

Hall: 5 Booth: 5C10

## SCHWEISSEN & SCHNEIDEN

### AL3D Metal - 3D metal printer

The AL3D-METAL makes it possible to produce complex objects from metal quickly and precisely.

By means of 3D metal printing, you produce components for high quality requirements, which are manufactured very precisely and grant an enormous freedom of design and geometry. The closed powder circuit of this metal printer increases work safety, because the operator does not come into contact with the powder during the entire printing process.

The small build platform size of the AL-3D enables powder-saving printing of precious metals such as Gold, Platinum and Silver. This makes the AL3D-METAL ideal for jewellery manufacturing companies. A large database of verified parameters for stainless steels, cobalt chrome, reactive materials such as Titanium, as well as for various precious metals is available to ALPHA LASER customers.

A big advantage is the fast powder change with short cleaning of the system. With its small footprint of 600 \* 617 millimetre, the 3D metal printer is also suitable for companies with limited space.

AL3D is well known for:

- | Innovative cartridge system for safer powder handling allowing it to have a downtime of only 15 minutes
- | In-House software development
- | Intuitive user interface
- | Modular filter system
- | Provides print reports

Printing speed, precision, and safety characterize the AL3D METAL printer.

Contact:

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2023-09-11

Hall: 4 Booth: 4Z10

## SCHWEISSEN & SCHNEIDEN

Upgrade CO2 laser to fiber laser

Before the conversion, Laserkammer GmbH visit you with its specialists and clarify in detail what options there are and what exactly they are converting on your existing system. Here the Laserkammer team deal with all points, laser source, cooler, optical components, processing head, laser security, software, filter technology, and much more.

Contact:

Laserkammer GmbH

Herr Shahin Kheirabadi

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Germany

Fon: +4921834178506

E-Mail: [sk@laserkammer.de](mailto:sk@laserkammer.de)

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2023-06-14

Hall: 5 Booth: 5A30

## SCHWEISSEN & SCHNEIDEN

CNC and NC controlled JIG welding machines

Nik Makina Sanayi presents CNC and NC JIG welding machines.

Up to 30kVA, 210kVA, Pneuma

Contact:

Akdenizmakina Nik Makina Sanayi ve Ticaret A.S.

Mr. Tahsin Gü?lü Öztürk

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2023-06-29

Hall: 3 Booth: 3A65

## SCHWEISSEN & SCHNEIDEN

### 3D welding and assembly table with T-slot system

Modular, flexible and robust - FÖRSTER 3D welding and assembly table with T-slot system allows you to work horizontally and vertically. The rails of the table surface can be removed individually and thus allow the size of the table surface to be adjusted by partial occupancy. Assemblies can be guided vertically through the surface. Parts of the table surface can be replaced in minutes if they are damaged.

The table surfaces made of solid material are almost completely resistant to welding spatter and thus very easy to clean, extremely robust and durable as well as sound-absorbing. Based on reports from users/customers, useful lives of up to 20 years can be predicted for the table surface.

With the Förster`s self-developed clamping system and stop elements, you work quickly as well as precisely, dimensionally and angularly.

Thanks to the multifunctionality of the accessories, you have the possibility to achieve a lot with few accessories and to use third-party tools without limits thanks to adapters.

#### Contact:

FÖRSTER welding systems GmbH

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2023-04-11

Hall: 2 Booth: 2A30

## SCHWEISSEN & SCHNEIDEN

### MAGIC 5 in 1 200C

Shanghai WTL Welding Equipment Manufacture presents its Magic 5 in 1 200C.

- | True Multi-process (5 in 1): AC/DC MMA; LIFT AC/DC TIG; HF AC/DC TIG; MIG; Plasma in one model
- | Pilot arc controller, working mode: Cut/Grid
- | PFC technology: Single phase input from 95V to 275V, power factor = 0.99 for energy save
- | Memory function: nine channels for recording
- | 5.0 inch LCD screen: Variety of parameter shown simultaneously
- | Wireless connection: Remote control by APP on smart-phone/tablet; future design for upload/download data to Cloud; easy for after sale service
- | OLED MIG torch for remote control
- | Spool gun optional
- | MCU: Digital control
- | Soft switching: low consumption, increase IGBT age
- | Maximum 15 to 20 kilogram spool
- | Intelligent protection: TIP torch connection alarm; over-current, over-heat alarm

Contact:

Shanghai WTL Welding Equipment Manufacture Co., Ltd.

Ms. Yang Zhao

No. 33 Lianlin Road, Pudong

201204 Shanghai

Peoples Rep. of China

Fon: +8668923300803

E-Mail: lizzyzhao@wtl.com.cn

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2023-06-20

Hall: 4 Booth: 4B32

## SCHWEISSEN & SCHNEIDEN

### Robotic welding systems

RAM Robotics was established in 2017 by expert managers who have made a name for themselves with many projects in the country in the applications of welding-handling-feeding and packaging processes.

It serves its target audience with its expert engineering staff, experienced personnel in manufacturing and the principle of finding solutions to the problems of its customers on a sectoral basis. The solutions offered with the motto "Every job we do is an engineering marvel" puts its customers one step ahead in their field.

#### Contact:

Ram Robotik Otomasyon Makina Sanayi Imalat ve Ticaret Limited Sirketi

Mr. Mustafa KARA

Fevzi Cakmak Mah. Aslim Cad No: 35

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2023-06-08

Hall: GA Booth: GA33

## SCHWEISSEN & SCHNEIDEN

Collaboration in your projects for guaranteeing success

SOLYSOL provides a worldwide package of consulting services that is based on the following axes:

- | Technical support for the study and quotation of projects
- | Advice to technical departments
- | Requirements assessment
- | Joint design evaluation
- | Optimization of welding processes
- | Generation and review of procedures and approvals
- | Regulatory compliance, qualifications and certifications
- | Specific training to achieve the objectives set
- | Advice and support in welding and painting inspection, with the possibility of moving anywhere in the world

Contact:

Sol y Sol Centro Tecnológico Arc-Tech, E. S.:

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2023-06-06

Hall: 2 Booth: 2E32

## SCHWEISSEN & SCHNEIDEN

### Solenoid pumps

Gotec develops and manufactures solenoid pumps according the specifications requested by their customers.

Until today the Swiss company has already developed 2500 pump models.

#### Contact:

GOTEC SA

Mr. Pierre Haffner

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2023-08-21

Hall: 8 Booth: 8A08.4

SCHWEISSEN & SCHNEIDEN

Shindaiwa welder: HDW310M-I

With a hybrid type of condenser and engine, CE and UKCE certified state-of-the-art welding machine will be exhibited for the first time.

Contact:

Yamabiko Corporation

Mr. Hirotake Tomota

1-7-2 Suehiro-cho, Ohme, Tokyo 198-8760, Japan

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Japan

Fon: +81428326118

Fax: +81428326145

E-Mail: [atsushi.hayashi@kawada.co.jp](mailto:atsushi.hayashi@kawada.co.jp)

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2023-06-10

Hall: 7 Booth: 7E31

SCHWEISSEN & SCHNEIDEN

MIG welding machine

Shanghai Mealer Welding Equipment Co., Ltd showcases MIG welding machines.

Heavy industrial MIG and professional MIG and semi-professional MIG.

Single pulse MIG and double pulse MIG and DC normal MIG + MMA + LIFT TIG function.

Contact:

Shanghai Mealer Welding Equipment Co., Ltd

Mr. Jinjin Shi

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201499 Shanghai

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Fon: +8602157588111

Fax: +862167580211

E-Mail: sales@mealer.cn

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2023-06-14

Hall: 8 Booth: 8A22

## SCHWEISSEN & SCHNEIDEN

All types of welding electrodes and more

The vast product range consists of all types of welding electrodes, SAW wires and fluxes, CO2 wires, stainless steel filler, MIG/TIG wires and flux cored wires (BIS Approved).

Contact:

D & H India Limited

Mr. AWADHESH NARAYAN MISHRA

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452015 Indore

India

Fon: +91 9839077939

E-Mail: [anmishra@dnhindia.com](mailto:anmishra@dnhindia.com)

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2023-09-01

Hall: 3 Booth: 3D30

## SCHWEISSEN & SCHNEIDEN

### VDM® FM 31 Plus

VDM® FM 31 Plus has a comparatively high chromium and moderate molybdenum content of 27 or 6.5 wt. per cent and is well suited for use in oxidising media. The material also has a very stable austenitic structure even when iron is mixed up due to welding or when post-weld heat treatment (PWHT) is carried out.

VDM® FM 31 Plus is therefore also particularly suitable as a corrosion-resistant filler metal for build-up welding. A very promising field of application is the use in thermal waste utilisation, like waste incineration plants.

#### **Typical chemical composition:**

Ni 34; Cr 27; Fe 29; Mo 6,5; Cu 2,1; Mn 2; N 0,2

#### **Alternative designation(s):**

Nicrofer S 3426 hMo

#### **Application area(s):**

Welding

#### **Product form(s):**

Filler metal

[Complete product range](#)

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2023-06-09

Hall: 5 Booth: 5G18

## SCHWEISSEN & SCHNEIDEN

Testing novel manufacturing processes for copper-based high-temperature materials

An important part of system innovation is the testing of new manufacturing processes. CEP Freiberg's copper-based high-temperature materials are precipitation-hardened powder metallurgical materials – so-called Oxide Dispersion Strengthened (ODS) materials. Until now, their production was tied to a process of discontinuous extrusion. This led to dimensional limitations, because extrusion is most effective in producing long semi-finished products with smaller cross-sections. Not all end products can be effectively manufactured using this process.

Today, however, CEP Freiberg can produce components with larger cross-sections from copper-based high-temperature material – for example, electrodes for roller seam welding. Such products are produced using the hot isostatic pressing (HIP) process. This allows the production of bulkier near-net-shape semi-finished products – in this case, cylinders – from which the disk-shaped roller seam welding electrodes can easily be cut.

CEP Freiberg is currently also trialing the other extreme – a continuous extrusion process that enables the production of very long semi-finished products with small cross-sections.

Contact:

CEP-Compound Extrusion Products GmbH

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2023-06-29

Hall: 6 Booth: 6G18

## SCHWEISSEN & SCHNEIDEN

Most innovative software for sheet metal industry

Libellula GmbH presents the entire suite of its applications.

On the CAD/CAM front, the company will present the 2023 versions of its most renowned products: Libellula.CUT, Libellula.TUBE, Libellula.BEND and Libellula.WIZARD.

It will also be possible to discover Libellula.JOBSHOP TUBE: all the benefits of Industry 4.0 in terms of digital management and traceability available to all those who need to manage their tube cutting plant with the best technology.

Another leading product in the Libellula offer is Libellula.QUOTATION: the first 100 per cent cloud software in the suite of products in the catalogue. Libellula.QUOTATION is a Saas (software as a Service) that allows you to obtain sales quotes for your customers in an incredibly quick and intuitive way.

Contact:

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Herr Alexandru Gheorghe

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2023-06-06

Hall: GA Booth: GA40

## SCHWEISSEN & SCHNEIDEN

Fumex CMF: Mobile filter unit with cleanable filter

The [FUMEX CMF](#) is an efficient, cleanable mobile filter unit developed according to ISO 15012-1 for welding safety products (W3 certified).

The low pressure drop through the filter and external arm supports on the extraction arm allows a high airflow of approximately 1800 m<sup>3</sup>/h. This results in a maximum capture efficiency and extraction of for example welding fumes and welding dust, without high energy consumption.

Three models. Three cleaning methods:

┆ CMF 10 – with manual cleaning

┆ CMF 20 – with motorised cleaning

┆ CMF 30 – with motorised and pneumatic cleaning

When the air flow is too low, an audible alarm sounds, indicating that the filter cartridge needs to be cleaned or replaced. During cleaning, the dust particles that detach from the filter fall into the dust collector.

The filter cartridge filters more than 99 per cent of smoke and dust contamination from the welding of high-alloy steels, such as steel with a nickel and chromium content of 30 per cent or higher.

The impeller of the fan has backward-curved blades and high efficiency. It is designed to maintain a steady and high airflow, even when the filter cartridge is contaminated. Combined with the low pressure drop of the extraction arm, the CMF filter unit provides high performance.

The hood of the extraction arm is designed for maximum suction efficacy and is ideal for capturing welding fumes. A manual damper at the hood attachment point opens and closes the airflow.

The filter unit is supplied partially assembled for easy installation. Accessories include a spark trap, silencer, LED lighting and HEPA filter (class H14). Other hoses for special requirements can be delivered on request.

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2023-05-10

Hall: 3 Booth: 3A18

## SCHWEISSEN & SCHNEIDEN

Sigma dresser & changer with continuous tip feeding system

Sinterleghe is proud to present the new innovative Sigma dresser & changer with continuous tip feeding system.

It is an automatic system with two tip dressers and changers for robotic welding guns and a continuous external electrodes loading center for up to 500 electrodes; managed and controlled by an integrated PLC. The electric box is made according to the desired standard.

The system is supported by a very efficient double chip suction unit with integrated Venturi system and external storage station for both waste chips and electrodes.

This new suction system is also available on all tip dressers and tip dresser & changers of the complete Sinterleghe's product range.

Plus:

- > It allows a continuous production without operator for up to 30 days
- > Interesting for Aluminum application where frequent cap changes are required
- > High safety for the operator in heavy-duty applications or at high altitudes platforms
- > Prevents the operator from going in line to refill the tip changer with caps
- > Automatic control of up to four tip dressers and changers with a single external unit
- > PLC controllable from the outside with security and control software with alerts

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2023-02-27

Hall: 2 Booth: 2C38

## SCHWEISSEN & SCHNEIDEN

### Collaring Unit HFT-2000 SS

Pipe branching by the T-DRILL method is also called collaring, mechanical tee forming, or simply T-DRILL tees. The T-DRILL method of pipe branching is an ideal solution for making tee joints in main run tubes in just a couple of minutes.

### **Hand Feed Table for small volume production of stainless steel manifolds**

HFT-2000 SS is used in conjunction with the T-DRILL T-65 SS collaring machine. The Hand Feed Table (HFT) is capable of producing collars O.D. 17 to 54 millimetre ( $\frac{3}{4}$ " – 2") in run tubes O.D. 32 to 114 millimetre (1  $\frac{1}{4}$ " – 4").

- | No T-fittings
- | No costly inventories
- | No tube cutting
- | Only one welded joint
- | Minimized inspection cost
- | Tee ratio variation flexibility
- | Smaller risk of leakage or call-backs
- | Optimized flow-characteristics
- | Hygienic, clean weld points

[T-DRILL HFT-2000 SS Product page](#)

[T-DRILL technologies](#)

Contact:

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2023-09-11

Hall: 6 Booth: 6B21

## SCHWEISSEN & SCHNEIDEN

### New plasma power source K 200

Kjellberg is expanding its portfolio for plasma cutting with the new power source K 200 which will be presented live.

With the K 200, users can focus on the essentials of plasma cutting: optimal and reliable cutting results with easy operation and low investment and operating costs.

The power source cuts with oxygen, air and nitrogen in the material thickness range from one to 60 millimetre with a maximum cutting current of 200 A. In addition, the K 200 has a marking function. It has integrated automatic gas control and a torch with direct connection. A manual torch extends the range of application to manual cutting and gouging. Overall, the user benefits from low investment costs and easy installation, operation and maintenance of the system

The K 200 can be fully integrated into CNC guidance systems or controlled and monitored via smartphone. The accompanying app also allows the user to see all parameters and settings at a glance and customise cutting data.

Visitors will be able to experience the new K 200 power source live cutting mild steel several times a day. The functional scope of the app will also be presented at the trade show.

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2023-06-30

Hall: 3 Booth: 3D61

## SCHWEISSEN & SCHNEIDEN

### ControlPro Connect: Maximizing uptime and efficiency

If you want to maximize the uptime of your filtration system and create a clean, safe and efficient working environment, choose ControlPro Connect, Plymovent's smart web portal that allows you to monitor any number of filtration systems at a glance, manage and control any number of filtration systems.

From a PC, tablet or smartphone, your installation can be monitored in real time, so you can see if your filter is working properly or if corrective action is required. Optimize filter parameters online or adjust the filter operating times of individual or all filter systems online to different shift work models. Warning messages are sent directly by e-mail. On request, Plymovent ControlPro Connect offers the option of online support, which enables intervention in the system by Plymovent's experienced and well-trained service technicians.

Historical data on your filter performance is stored for easy operational analysis. Reports on the efficiency of your installation are available in graphical or tabular form. The stored data provides you with accurate information on trends and deviations. Data-based decisions to optimize your filter use can be made. By monitoring the easily accessible data of your plant, planned maintenance can be better organized to keep costs down and maximize uptime.

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2023-06-30

Hall: 6 Booth: 6G30, Hall: 6 Booth: 6F28

## SCHWEISSEN & SCHNEIDEN

SM70-MT: The world's first Electrodeposit-coating friendly welding wire

E-coating is a well-established technique in the automotive industry to protect car parts against corrosion, but its application on welded components can be problematic due to poor adherence onto silicate islands left behind on welds by the GMAW process. Lacking solid E-coating protection, these spots may later act as initiators of rust development when vehicles are exposed to corrosive environments such as humidity, temperature changes, sea winds and de-icing salts. Removal of the silicates is an effective measure, but is costly in highly efficient fabrication lines and therefore undesired.

HYUNDAI WELDING responded with the development of the world's first E-coating friendly GMAW welding wire, the SM-70T. This unique product features ultra-low silicates formation and allows car parts to be E-coated without post-weld cleaning of the weld surface. After extensive CCT - GMW 15357 testing (45 days) the weld samples rate 10/10, no sign of corrosion. SM70/MT also delivers virtually spatter-free welding along with excellent gap bridging ability - two other essential requirements of automotive fabricators.

SM70-MT can be delivered in Ball Pac, the patented marble system allows for better feeding reliability and improves welding efficiency. Hundreds of marbles inside the drums prevent wire deformation and tangling. The wire is extracted directly with this innovative system, reducing friction and tangles, creating an improved welding experience and superior results.

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2023-07-24

Hall: 5 Booth: 5C10

## SCHWEISSEN & SCHNEIDEN

AL-ROCK Mobile: Laser hardening system with powder deposit welding

The AL-ROCK is the first mobile robot for targeted hardening of metal surfaces.

The component to be hardened no longer needs to be dismantled, as the laser can be brought right to the workpiece. The far-reaching robot arm can easily access hard-to-reach places. All that is needed is the laser beam's free access to the workpiece surface to be hardened.

The area which is to be hardened can be easily programmed using the scanner software: simply select the area that you wish to scan. Then the robot moves the scanner automatically to the marked area over multiple tracks. The result is a real-time 3D model. The operator then simply configures the process-relevant parameters, after which the program is simulated virtually. The generated and confirmed program is automatically sent to the robot.

The laser beam precisely follows the workpiece contour in free 3D movements. Weld edges, nubs, grain structures, or individual points can be easily hardened this way. There is practically no thermal load on the surrounding area, which means that distortion is kept to a minimum. The heat flux within the component leads to self-quenching.

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2023-03-28

Hall: 4 Booth: 4B08

## SCHWEISSEN & SCHNEIDEN

FerroTiC Titanium Carbide steel cemented hardmetal powders

Advanced Metallurgy Technology Co., Ltd. presents FerroTiC Titanium Carbide steel cemented hardmetal powders for HVOF thermal spraying at volume price 1/4 of WC-10Co-4Cr.

### **AMTmetalTech**

Unique top quality world lowest price FerroTiC Titanium Carbide cemented hardmetal powders for HVOF thermal spraying adopt duplex stainless steel as the matrix, so that the corrosion resistance is better than 316L. Wear resistance is next to WC-10Co-4Cr. Volume price is one quarter of WC-10Co-4Cr. Also can be used for high speed laser cladding of wear and corrosion resistance.

As the world leading Metallurgy company of solutions in 1000 degree high temperature severe corrosion / erosion / cavitation / abrasion / wear resistance, AMTmetalTech philosophy is always making various alloy powders including gas atomized MCrAlY / inconel / stellite / duplex stainless steel powders, and agglomerated sintered WC-Co / Cr<sub>3</sub>C<sub>2</sub>-NiCr / mo powders at consistent top quality, continuous lowest price, quickest delivery in the world.

[www.AMTmetalTech.com/StandardProducts/](http://www.AMTmetalTech.com/StandardProducts/)

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2023-06-19

Hall: 6 Booth: 6D29

## SCHWEISSEN & SCHNEIDEN

Multi-Layer narrow-gap laser welding (Laser MES) using the example of a crane jib

Energy and resource efficiency are gaining ever more significance, which is why the Fraunhofer Institute for Material and Beam Technology IWS has worked with its partners to develop an alternative for conventional steel construction that not only constitutes a process technology solution, but also forms the basis for hardware and laser safety.

This solution facilitates gentler machining of high-strength materials, as well as significantly reducing energy consumption and costs while greatly increasing process speed. The energy input required for the component can be reduced by up to 80 per cent compared with conventional joining processes. Not only that, subsequent straightening of the component is eliminated entirely from the process.

Many technical structures feature some form of steel construction. Be it a container ship, railway vehicle, bridge or wind turbine tower, any one of these structures can have several hundred meters of welding seams. Conventional industrial processes such as metal active gas welding or submerged arc welding are usually used for this purpose. Here's the problem: Due to the low intensity of the arc, a large proportion of the energy expended is not actually used in the welding process, but is lost to the component in the form of heat.

The energy required for post-weld treatment is often of a similar magnitude to that required for the welding process itself. "These energy-intensive processes cause significant thermal damage to the material and result in severe distortion of the structure, which then demands very costly straightening work afterwards," emphasizes Dr. Dirk Dittrich, who heads up the Laser Beam Welding group at Fraunhofer IWS.

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2023-08-30

Hall: 8 Booth: 8C29

## SCHWEISSEN & SCHNEIDEN

### Wirefeeder with adjustable inclination angle of torch adapter

The bended welding torch cable when leaving the welding machine or the wire feeder is a well-known problem in the welding industry. The PolyDrive-SWP wire drive overcomes this challenge. The innovative and patented design allows the torch adapter to be inclined, optimized to the needs of the welder.

The versatile concept with the continuously adjustable angle from zero to 45 degrees of inclination allows the use of this single wire drive type in a whole product line of welding machines. The infinitely variable wire drive allows the torch adapter to move freely and follow the torch cable during the welding process.

The unique design offers drive rollers from 30 to 37 millimetre with a maximum wire speed of 30 meter per minute. The click system allows quick change of drive rollers and good accessibility even with protective gloves.

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2023-08-24

Hall: 1 Booth: 1C10

## SCHWEISSEN & SCHNEIDEN

Weld cleaner

Weld cleaner from Cleanox series are light and power full.

80A by 100 per cent duty cycle and just five to eight kilogram light.

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2023-07-10

Hall: 2 Booth: 2A37

## SCHWEISSEN & SCHNEIDEN

Range of GVS products

GVS Group manufactures respiratory protection for welding, cutting, grinding, blasting and painting.

The Elipse half masks are the most compact on the market and enable you to fit it under your welding helmet.

The latest portfolio includes now supplied air and PAPR solution, including the Z4 which is the latest welding/grinding helmet in the market for PAPR.

GVS Group produce and supply globally from their 20 subsidiaries in the world.

Visit our website to discover more about us: [www.gvs.com](http://www.gvs.com)

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2023-06-13

Hall: 5 Booth: 5D31

## SCHWEISSEN & SCHNEIDEN

### New exclusive flux cored rings

Saldobrase keeps on innovating to always elevate its standard. The last output of this approach is an exclusive solution to optimize even more both the brazing processes and quality output.

This brand-new format ring is characterized by an integrated cored flux that makes the brazing process easier and quicker than ever. The rings are available in two different solutions: flux-cored or sintered rings. Both solutions guarantee several advantages:

- | Optimal alloy and flux ratio
- | Top quality of flux and alloy
- | Repeatability and quality of brazing
- | Fast execution without flux application
- | Zero flux residues to remove after brazing
- | Maximum automatization

For more details: [website](#)

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2023-07-04

Hall: 2 Booth: 2A18

## SCHWEISSEN & SCHNEIDEN

### CORODUR® ABRAMAX

CORODUR® ABRAMAX is the newest product development for heavy wear affected applications in different industries. CORODUR® ABRAMAX provides extreme wear protection against abrasion, heat and corrosion.

The deposit contains a very high content of complex and extremely fine dispersed carbides in an “anti-washout” matrix.

More welding consumable innovations are shown at the booth.

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2023-06-27

Hall: 5 Booth: 5C24A

## SCHWEISSEN & SCHNEIDEN

### EMPT machine systems

EMPT machine systems consist of the pulse generator and coils. The pulse generator provides the necessary high pulse currents. The coil induces eddy currents into the workpieces. The interaction of both components allows a multitude of welding, joining, forming and cutting operations on electrically conductive workpieces.

The EMPT machine systems developed and manufactured by PSTproducts consist of pulse generators and high strength coils. They meet the requirements of a modern series production plant and offer the following advantages:

- Cost attractive due to low operating costs (cost of ownership) with a very high repetition accuracy
- Easy integration into production lines and higher-level quality detecting systems
- Low service and maintenance
- Safe technology in accordance with legal regulations
- Easy to operate

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2023-06-06

Hall: 7 Booth: 7B14

## SCHWEISSEN & SCHNEIDEN

New: FACCIN 4-roll direct electric-drive plate roll

The [new FACCIN 4HEP-E](#) is a 4-roll, direct electric-drive plate roll which provides unmatched efficiency, productivity, and ergonomics.

Many features and FACCIN innovations set the 4HEP-E apart from every other plate roll on the market. Productivity is increased with rolling speeds of up to ten meters per minute (32.8 ft/min), an increase of nearly 100 per cent compared to other plate rolls available.

A high efficiency electric design reduces energy consumption costs by up to 35 per cent. Operator ergonomics are improved with a nearly 15-dB reduction in noise levels, and lower vibration. Other features include an integrated heavy duty drop-end, enhanced braking torque, and durable screw pumps.

Not only does the new 4HEP-E allow the owner to increase productivity while reducing operating costs, but also helps lead the new metal forming tendency of reducing carbon footprint.

The 4HEP-E is suitable for rolling steel up to 75 millimeters (3 in.) thick and widths from two to four metres (6 to 13 feet). To lower maintenance costs, reduce downtime, and increase the machine's performance and life cycle, the 4HEP-E utilizes a centralized lubrication system.

Operators will benefit ergonomically from the 4HEP-E's reduced working height, which makes it easier to operate and handle steel plates. An LED display on the front of the machine assists the operator in monitoring the roll speed and alarm indicators.

The 4-roll direct electric drive is engineered to be pre-plumbed, wired, and structurally designed to accept all future accessory, upgrades, and retrofitting with virtually no downtime.

The result of this new hybrid design is higher productivity, reduced electrical consumption, and greater ergonomics associated with the handling, staging, squaring, and rolling of steel plates.

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2023-06-14

Hall: 2 Booth: 2A38

## SCHWEISSEN & SCHNEIDEN

PFK inverter spot and projection welders

P.E.I.- POINT SRL presents its PFK inverter spot and projection welders.

- | Single-phase (AC) or three-phase (MFDC) power supply
- | Constant current regulation
- | AC welders only with CS-NET welding control
- | MFDC welders only with HP1000 Inverter
- | Adjustable double stroke cylinders (on request)
- | Pneumatic circuit for low force approach or with program pressure (on request)
- | Two-hand safety control on pedestal separated from the machine (projection model)

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2023-05-18

Hall: 2 Booth: 2E36

SCHWEISSEN & SCHNEIDEN

DACAIR WH02 Grand V969D Plus +

Dacar Comercialisacion presents the DACAiR PAPR GL-PA100 with PR SL filter and WH02 welding mask with ADF Grand V969D Plus +, MRD, air hose, air flow test indicator, battery, comfort belt and carrying bag.

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2023-08-04

Hall: 5 Booth: 5C15

## SCHWEISSEN & SCHNEIDEN

High quality of welding and brazing filler metals

Selectarc is the French manufacturer of welding and brazing filler metals for joining, repair and protect against wear and provides a large range of welding stick electrodes; from the standard mid steel with rutile or basic coating to the highest alloys used for heavy duty sectors where high performances on both special joining or anti wear coatings are required.

Selectarc's offer covers the needs of strategic and demanding sectors such as: nuclear, defense, naval, aeronautical, railway, HVAC or Oil & Gas. It offers welding filler metals (coated electrodes, solid or cored wires for MIG/MAG/TIG processes) as well as brazing filler materials (aluminium, copper or copper silver, rods and preforms) and development and service.

Selectarc unique process of brazing filler materials includes two continuous castings melting lines and five extrusion presses which gives a strong flexibility as well as precise and stable chemical compositions for repetitive and perfect joinings.

The silver alloys TBW® range combines the fluidity of the high silver content products with the safety and effectiveness of a tubular wire. The quantity of the integrated flux is optimized and protected from air and humidity. TBW® brings more safety during operation, less energy consumption and is easy to form in various shapes such as rings for effective automated applications.

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2023-05-31

Hall: 6 Booth: 6E15

## SCHWEISSEN & SCHNEIDEN

TEMPINDIC -Temperature indicating sticks / crayons / chalks

VPLITPL's temperature indicating crayons / chalks are sold in the market with Tempindic™ trade name. The Tempindic™ crayons are made available in 120 different temperature ratings systematically spaced between 40 to 1200 degrees as per the customer needs. The Tempindic crayon length is 125 millimetre and will be supplied in aluminium casing with a adjustable cap for holding of chalk / crayon.

### **Product Features**

- ? Calibrated at +/-1 per cent accuracy
- ? Lead and Sulfur free
- ? Compliance with European RoHS regulations.

### **How to use**

Simple to use; mark on the surface of metal or sheet with the required Tempindic. Once the surface reaches the rated temperature of the Tempindic, the mark would melt and show liquid smear appearance. The colour of the crayon is only an indication and will not have any role while marking or on its performance.

### **User Industries**

The following industries normally use TEMPINDIC

- ? Welding industries (during pre-welding, inter-pass, and post welding)
- ? Annealing, Foundries
- ? Oil refineries, Aluminium refineries
- ? Iron and Steel making industries, Glass industries,
- ? Rail wheel factories, Heat treatment industries
- ? Plastic manufacturing industries
- ? Rubber industries , Textile mills
- ? Ceramic industries, Chemical industries and more

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2023-06-13

Hall: 1 Booth: 1D10

## SCHWEISSEN & SCHNEIDEN

### XIR-1800 Thermal camera

The Xiris XIR-1800 Thermal camera provides enhanced imaging of key weld zones such as the melt pool, deposited material, and surrounding base material in greater detail than standard thermal or visible-light cameras.

Capturing real-time, thermally calibrated temperature measurements from about 350 to 1800 degrees, the XIR-1800 will help improve in-process control and quality assurance for fabricators. Often, a key challenge in metal additive and joining processes is to monitor the size and cooling rates of the melt pool of a weld bead. With Xiris' XIR-1800, manufacturers will be able to capture images and clearly see the melt pool even in harsh environments of smoke, fumes, and spatter.

The XIR-1800 is easy to integrate into existing processes and connects with Xiris' newly released WeldStudio™ 3 Pro software. With the new software, users can better detect process issues using powerful thermal imaging and machine vision tools.

To learn more about the XIR-1800, visit [www.xiris.com/xiris-xir-1800](http://www.xiris.com/xiris-xir-1800)

See what the XIR-1800 can do in the thermal video library: [blog.xiris.com/weld-thermal-video-library](http://blog.xiris.com/weld-thermal-video-library)

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2023-03-10

Hall: 4 Booth: 4E12

## SCHWEISSEN & SCHNEIDEN

### Battery powered inverter welder AK-370

Cordless inverter welder AK-370, built-in 2405Wh li-ion pack, maximum output 150A, duty cycle 100 per cent, one single charge can weld up to 41 pieces of 3.25 millimetre electrodes or 85 pieces of 2.5 millimetre electrodes.

Cordless welders are widely used in Petrolchemical maintenance, mining, construction, steel industry, service truck, agricultural, ships, as well as bridges, they are perfect for welding in remote locations, construction sites, and highly suitable for welding in electrically hazardous environment.

This model got CE approval, distributors worldwide are welcome.

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2023-08-18

Hall: 3 Booth: 3A67

## SCHWEISSEN & SCHNEIDEN

Welding control PRC7000 from Bosch Rexroth increases productivity when welding in the automotive sector

The trend in vehicle construction is towards increasingly lightweight, safer vehicles. One reason: The less weight needs to be moved, the less energy is required. However, this must not be at the expense of safety. At the same time, designs and forms are becoming increasingly complex. Material combinations are increasingly being used to meet current requirements as regards weight reduction, energy efficiency, crash safety and design. This means completely new requirements when it comes to resistance spot welding. With the welding control PRC7000, Bosch Rexroth offers a solution which adapts quickly to different mixtures of materials and allows unbreakable connections.

With the PRC7000, different sheet thickness and material combinations – from steel to aluminum – can easily be welded. To make this possible, the new welding control unit uses adaptive controllers and offers flexible programmability. It also makes perfect welding spots reproducible. For the first time ever, a leading car manufacturer used resistance spot welding to attach large numbers of aluminum parts to the chassis of a new vehicle. In this case, the main body is made from aluminum and has approximately 2,000 welding spots with different aluminum sheet combinations.

“Due to the many new material combinations, the process windows are becoming smaller and smaller and, despite targeted parameterization of the particular welding task, connections can only be achieved to a limited extent with conventional resistance welding systems. With the PRC7000, unbreakable connections are possible,” said Timm Bartmann. “With the integrated “Adaptive Position Regulation” function, the PRC7000 allows welding of unprecedented quality. Even connections that were not so reliable in the past can be welded now.”

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2023-07-27

Hall: 3 Booth: 3A10

## SCHWEISSEN & SCHNEIDEN

### Bars and wire and welding products

Rodacciai can produce cold draw bars and wire and welding products: Stainless steel wire and rods of various types are used as welding filler materials for the production of electrodes, MIG, TIG and Submerged Arc welding.

According to customers' requirements, it is possible to provide austenitic, martensitic, ferritic or austenitic-ferritic (duplex - super duplex) stainless steels.

The use of selected wire rods, with controlled impurity levels, guarantees an optimal weld, both from the point of view of the mechanical strength and in terms of the presence of delta ferrite, for example corrosion resistance.

Furthermore, the chemical composition of the materials applies to all principals international standards, including the European standard EN ISO and American standard AWS. Thanks to the quality of its stainless steel welding wire products, Rodacciai supplies all the major welding houses and electrode manufacturers all over the world. The company offers a variety of different kind of packaging (spools and drums) and the possibility to customize each of them.

During the year Rodacciai achieved several certifications such as TÜV / CE (Europe), DB (Germany) and CWB (Canada).

Recently the stainless steel welding products have been approved and used by the major car manufacturers worldwide and in the construction of nuclear power plants.

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2023-06-26

Hall: 8 Booth: 8C21.C

## SCHWEISSEN & SCHNEIDEN

Flash butt welding of dissimilar materials

Flash butt welding machine for dissimilar materials, such as aluminum to mild steel and stainless steel to high carbon steel. Dahching is continuously explore even more diverse material combinations to expand its capabilities.

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2023-06-14

Hall: 4 Booth: 4F25

## SCHWEISSEN & SCHNEIDEN

Welding table mounted on a lift table

| Here is a 2000x1000 welding table mounted on a lift table

| Size, 2000 x 1000 x 150

| A hole diameter of 16,20 and 28 millimetre

| A sheet of 15 millimetre thick

| Height adjustable, from 51 to 155 centimetre; measured from top of leaf

| A lifting capacity of up to 2000 kilogram

| The power supply is three phase 400 volts

| Includes control panel with push button

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2023-06-02

Hall: 5 Booth: 5G27

## SCHWEISSEN & SCHNEIDEN

helix – hard work never felt so easy

The new slide-up welding helmet with panoramic field of view: With the optrel helix Series, optrel offers a welding helmet for work under the most difficult conditions. A slide-up helmet with internal anti-glare unit that has all the technical features of an optrel helmet.

These include a six times larger field of view, automatic dimming ShadeTronic® technology and much more. The innovation of the helmet is proven by the best of best title at this year's Red Dot Design Award.

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