

HWA WELDING TIMES

The newsletter for friends and business partners of Harms & Wende GmbH & Co. KG, Hamburg (Germany)

Automotive – GeniusMFI hits the market

Strong global sales

Our GeniusMFI travels around the globe – major OEM companies have placed orders for our cutting edge technology. Slovakia, Czech Republic, Germany, Korea, Poland, Hungary and Romania, ... just some of the countries where the inverter will be found. They operate in workstations where either car bodies or components are being welded. Customers choose GeniusMFI because of its great flexibility.

Along with the inverters, XPEgasus as a user interface is warmly welcomed by operators as it provides a quick overview of robot cells and production lines, locally and around the world. Predefined function packages are available at Harms & Wende.

Editorial

While I write this newsletter to you, Harms & Wende is in an exciting position. It is not only the 65th anniversary of our company it is also our best year of orders in our history. Our crew feels honored being part of our history having served customers over such a long period of time bringing so many systems to the market.

This issue of our Weld Times differs from the previous ones in that we incorporate the articles from partners and customers. We did this in order to bring theory and practical operational information together.

Our as well as our partners way is to listen to you to bring the optimal solution to you. This principle cannot be repeated often enough since only glad customers bring us success.



I hope you enjoy reading this issue and remain with my best wishes

Yours
Jörg Eggers

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Micro welding & industrial solutions

HFI System with 10000 Hz & Comfortable solutions for the industrial user

Our new high frequency system has been designed for welding micro components where fast regulation and quick current raise is mandatory. On the other hand we designed a powerful user panel for our medium frequency inverters, used for single station operations: XComand. In many industrial applications systems are used as single station units - XComand follows this demand.

Micro welding

SiniusHFI family

Our new SiniusHFI (10 000 Hz) inverter family stands for fast regulation in microseconds. Combined with flexible programming through PLC interface or user panel Varius for direct data input. Data input via PLC allows machine builders and integrators to build their own tailor made interfaces. By so doing, the machine control panel and welding parts can be combined into one single user panel.

Our new Varius user panel offers direct

parameter input using just one-button strategy. By just turning and pushing one single button almost any parameter can be set.

Along with our inverters we provide transformers as complete packages which have been tested and optimized for readability and ease-of-use.

System	Operation
SiniusHFI	full implementation in the machine user interface through PLC
SiniusHFI plus Varius	Operation of the HFI inverter through user panel Varius Machine communication through field bus

Key words: HF systems, 10000 Hz welding, XComand, GeniusMFI



Industrial solutions

Your powerful operation panel XComand

Our industrial customers requested a single station inverter system from us, which is ready to be delivered. Following our vision to make systems easier to use the result became XComand.

XComand is a touch panel running a XPEgasus like visual interface with automatic identification of the inverter

connected. A regular Genius family inverter is taken and simply connected via Ethernet interface to XComand. The link between both units is established automatically.

XComand shows, by default monitoring buttons on the screen, the operator the status of the weld process. The



operator has the possibility to adjust parameters in certain limits to change settings whenever necessary. Adjustments are saved in a logbook to trace the changes.

Sweden

High Tech from Småland

For many years we are active in many countries and are represented by partners. In this issue we want to bring the readers of the German newsletter "Schweißzeit" (Weld Times) our activities abroad closer.

The region of Småland is well known by the writer Astrid Lindgren. Who is not familiar with the stories from Emil from Lönneberga or the six Bullerby children? The region is also well known for high-tech products coming from the region.

Hestra Automation – Best technology

Since a couple of years Hestra Automation and Harms & Wende have built up our friendship and have realized a couple of projects. In this issue of the Schweißzeit we present you a project which was initiated and completed last year.



The following text and images have been kindly provided by Hestra Automation for this issue.

Hestra Automation has designed and manufactured a complete installation for manufacturing wire trays in close cooperation with the customer.

In order to minimise handling times and material costs, the production process is fully automated from the basic material (wire coil) to the finished product stacked on pallets.

Two processes...

The installation is built up around two main processes, one for wire-mesh welding and one for bending. To ensure optimal capacity utilization and minimise production outages, no mechanical retooling is carried out at product changeover, everything is done from the operating panel. The latest MFDC technique (HWI 2813) is used for welding the wire mesh: It allows the product to be welded with individual current control and includes a built-in alarm that warns the operator of diverging parameters, thus enhancing the quality control. Faster and lower costs. Axelent Wire Tray AB develops, manufactures and sells a cable management system based on wire trays with mountings, fittings and accessories under the trademark X-Tray®.



Their concept is based on production capacity, know-how and logistics.

"When we started this project, we looked at how we might be able to include the entire manufacturing process in a single flow. The combination of our experience in welding and Hestra Automation's expertise in automation and machine construction

led to us opting for this partnership. Thanks to this installation, we will be able to minimise both handling time and material costs while at the same time ensuring high product quality", says Mats Hilding, CEO of Axelent.

URL: www.hestraautomation.se

With kind permission of Hestra Automation.



Major order from Sweden

Since many years Harms & Wende cooperates with Svenska Bult & Motståndssvets (Göteborg). Recently we got the order for the complete resistance welding equipment of a machine. Grace to the wide product

range of Harms & Wende we were able to suggest different technical solutions where one will be realized now. We follow our slogan – always the right solution. The order has a total value in the range of six digits and

strengthens the position of our partner and HWH in Sweden. Intensive and creative discussions get us approach the matching solution quickly. The planned finalization of the machine shall be in winter 2011.

Afterwards the machine is transferred to the production location.

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USA

Huys Industries opens new location in the US

Our Canadian partner Huys Industries gladly announces the establishment of their US operations. This will bring Huys closer to the US market by producing directly as well as keeping spare stock in the US.

The details are as follows:

Huys Electrodes, Inc., Bldg 3A, 881 Tech Drive Telford, Pennsylvania 18969-1183
Phone: 215-723-4897 • Fax: 215-723-5194 • Web: www.huysusa.com

Company Representative:

Barry Clymer, bclymer@huysusa.com
(General Manager)



France

French – German partnership

French – German partnership are not only words, it's a living subject. For many years the relation between Technax Industrie and Harms & Wende became a strong link between Lyon and Hamburg. Please find below an example of the work of Technax.

technax
industrie

Technax Industrie – Copper welding on highest level

The company Technax Industrie, based in Genas nearby Lyon (France), specialises in the conception and manufacturing of resistance welding and brazing machines, especially for the assembling of copper parts.

It has been working for more than 20 years together with the company



picture 1

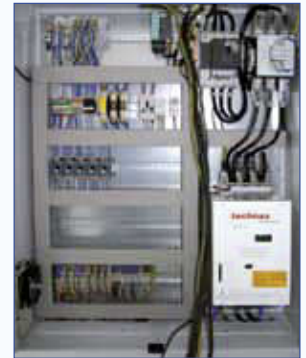
Harms & Wende in Hamburg which supplies Technax their welding power sources. Technax builds in its machines a wide range of H&W products (AC and DC systems). For about two years now and the generation of the SINIUS power sources, Technax has been offering an unique HMI (Human Machi-

ne Interface) where all the welding and control parameters are included. It has been a great step forward as all the information could be displayed on one screen (picture 2).

Picture 1 shows an example of a resistance welding station for the electro-technical industry, with manual loading and unloading of the parts. The task is to weld a small silver plate onto a copper contact. To achieve the job, a Medium Frequency SINIUS Inverter



picture 2



picture 3

type HWI436 W (picture 3) together with three HWT 2625 transformers have been used.

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With kind permission of Technax Industries

China

Friction Spot Welding (RPS 100) hits Chinese market

As result of the trade fair Welding & Cutting (Beijing / Shanghai) our Chinese partner has received a key order from a customer. The machine has a special design and is currently in

shipment to the customer. Outstanding welding results and flexibility triggered the customer to go for our new technology. As result of this success SNG has now a demo friction weld

gun in their Beijing facilities available. The RPS 100 system is designed to make welds in aluminum with great consistent quality. Aluminum welding is a task to weld in day life and with

the new RPS 100 technology a big step forward has been taken.

Welding & Cutting 2011

This fair became over the years a tradition to exhibit in co-operation with our partner SNG to offer our customers a platform to meet and to find news as well as to show new customers our portfolio. For many it is very important that our link is established since 6 years which shows continuity as well as a strong partnership between our companies. The fair was a success for us since we have seen a mix of existing and potential new customers in Shanghai. We will certainly return next year to Beijing.



EVENTS 2011/12

2011

- HWH partner meeting **Sept. 5th and 6th, 2011** in Hamburg (Germany)
- DVS Expo **Sept. 27th to 29th, 2011** in Hamburg (Germany)
- Blech Nordic, **October 4th to 7th, 2011** in Stockholm (Sweden)
- Productronica **November 15th to 18th, 2011** in Munich (Germany)

2012

- Welding & Cutting **June 4th to 7th, 2012** in Beijing (PRC)
- Euroblech **October 23th to 27th, 2012** in Hanover (Germany)

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Your Harms & Wende partner