

23 October 2018
Press Release

Kjellberg Finsterwalde: People Come First Despite Digitalisation Industry 4.0 Approaches for New and Existing Machines at the EuroBlech 2018

This year's trade show EuroBlech has its finger on the pulse of digitalisation. So does Kjellberg Finsterwalde and shows how specific solutions for new and existing machines put the people at the centre of attention in hall13, booth B98. Daily live demonstrations of plasma cutting and accompanying lectures by Dr. Michael Schnick, managing director of the research company OSCAR PLT GmbH, deal with the following issues:

HiFocus Plasma Cutting with Reduced Sound Pressure Level thanks to Silent Cut

After last year's premiere, Kjellberg Finsterwalde presents the Silent Cut technology now also for the plasma power sources of the HiFocus series. The live demonstrations with two HiFocus power sources show the difference between plasma cutting with the well-proven Contour Cut technology and the further development Silent Cut. The differences in the sound pressure levels amounting up to 15 dB(A) during cutting of mild steel are clearly audible. Both technologies ensure the same cut quality so that users can choose their preferred technology. The only requirements are the change of the consumables and the use of the Silent Cut database provided by Kjellberg Finsterwalde, thus making Silent Cut also available for existing machines. The result is a considerable reduction of the noise level thus making an important contribution to safety at work. With Silent Cut, the sound pressure drops partly below 85 dB(A) depending on the material thickness – from this value on preventive measures to protect hearing are usually required.

New Generation of Power Sources: The Q Series

Dr. Michael Schnick explains how the issues Smart Factory and eServices will actually be implemented in the future by using the new plasma cutting machines of the Q series as an example. Kjellberg Finsterwalde announces the Q series for 2019. The process communication of the new power sources takes place via EtherCAT and thus enables an efficient communication of the power source with the guiding system and all other components of the production process. Furthermore, updates and diagnoses can be carried out by the manufacturer as remote service via a VPN connection. All new features aim at the networking and automation of the production process and at increasing the machine availability. In addition, users will be provided with tools for visualisation, operator support and troubleshooting regardless of the device used. Further flexibility is created by the modular design of the power sources which makes it possible to extend operationally the cutting capacity as required.

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Industry 4.0 Solutions for Existing Machines

Being a member of the association Industry Business Network 4.0 e.V., Kjellberg Finsterwalde, in addition to developing new products, also works on solutions for existing machines thus making the advantages of digitalisation, networking and operation available also for existing power sources. At the trade show EuroBlech individual projects by way of example will be presented, like a new user interface for the monitoring and diagnosis of existing power sources or the networking between the power source and the suction unit in order to enable an automatic valve control which contributes to reducing the energy costs.

Kjellberg Finsterwalde at the EuroBlech: hall 13, booth B98



Picture: Kjellberg-SilentCut.jpeg – Cutting of mild steel with reduced the sound pressure level with Silent Cut

Background:

Kjellberg Finsterwalde offers products and technologies for thermal separating, joining and altering.

Being the longest established manufacturer of plasma cutting technique in the market, Kjellberg Finsterwalde offers its customers plasma and laser cutting technique for the most diverse tasks in the field of automated, mechanised or manual cutting – made in Germany.

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