

PRESS RELEASE

Kaiserslautern, 19 August 2014

Highlights to be presented at EuroBlech

New torch family with close-to-process drive unit

Perfect results for automated arc welding are only possible if all components meet the highest technical standards. This applies, in particular, to the torch systems – the interface between the robot and the joint. SKS Welding Systems developed specific solutions for this very feature. Therefore, a special focus during the upcoming EuroBlech exhibition will be on the new Frontpull 8 torch family with close-to-process wire feeding, i.e. with the drive unit directly in front of the torch neck. The members of this new torch family are suitable for all standard arc welding and soldering processes and the pertaining consumables; they highly support spatter and heat-reduced welding processes such as microMIG and microMIG-cc.

The new Frontpull 8i for process-arm robots (internal cable or hollow wrist robots) has a unique position in the market. It offers unlimited rotation even beyond 360°, it is light-weight (>3 kg), and features high-precision wire feeding. Limitless rotation is a real time saver, re-orientation movements of the robot are eliminated. Besides perfect wire control, also the torch cable is well protected: thanks to a media feed-through with limitless rotation the cable is free from any torsional stress. Additional benefits include controlled heat input into the workpiece, virtually spatter-free joining with defined penetration, good seam appearance, low workpiece deformation and – as a result – only little rework. The reproducible accuracy of the TCP after changing the torch neck and/or the wearing parts is ± 0.2 mm. SKS offers the Frontpull 8i with integrated collision protection, and the Frontpull 8i lite with support for existing robot collision protection systems. Robots with external cables use the Frontpull 8.

Another innovation is the standard version of eReam. The first 100% electrically driven program-controlled torch cleaning system offers fundamental advantages over systems driven by compressed air. Our complete portfolio for robot-assisted joining will make up the basis of our presence at this year's exhibition, hall 13, booth D64.

PI 07114 about 2,155 characters

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Images:



1: Frontpull 8i lite, a member of SKS' new family of torches with close-to-process wire feeding technology for process arm robots.

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2: eReam, the first 100% electrically driven torch cleaning system (shown with the wire cutter opened) provides fundamental benefits.

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