

PRESSE RELEASE

November 07, 2011

SKS at the FABTECH 2011 in Chicago

SKS extends overseas business

By participating in the American trade fair FABTECH 2011, SKS focuses on further expansion of its U.S. business. SKS North America, specializing in the high standards of automated welding processes, provides from its location in Detroit, Michigan extensive welding and technical support for projects as well as fast service response times.

The SKS Welding Systems GmbH, headquartered in Landstuhl, Germany, has already established itself as an innovative driving force for automated welding technology in Europe. SKS develops, manufactures and supplies welding systems including weld data documentation for automated welding applications that meets productivity, quality and reliability of the highest quality standards. With the industry proven Weld Packages Power Joint™, Power Clutch, microMIG™, Dual Wire 2.0™ and Semiautomatic Weld Package SAM™ SKS challenges the U.S. market with innovative welding equipment.

Power Joint™ Weld Package
For robot types with inner cable dress

The Power Joint™ torch system perfects the interaction of SKS welding machines and robots with inner cable dress. A single rotary joint with an unlimited rotation capability transmits electrical energy and all media such as gas, air and wire. This reduces torch cable movement (no twisting, no torsional strain) and therefore increases the lifetime of the torch cable. Less reorientations also save airtime because the torch reaches every position on the shortest possible way.

Power Clutch™ Weld Package
For robots with outer cable dress

The Power Clutch™ torch system perfects the interaction of SKS welding machines and robots with outer cable dress. The SKS Power Clutch™ torch system consists of the Power Clutch™, a mounting

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flange for each robot type, the torch cable and the torch neck with consumables. The changing of the torch neck is designed to be tool-free. This allows for a TCP accuracy of ± 0.2 mm when changing torch necks.

microMIG™ Weld Package

For heat-reduced welding with penetration, practically spatter-free

Technology changes future: Latest example is the newly developed welding process microMIG™, the SKS innovation for heat-reduced welding with defined penetration: as good as spatter-free. The highly precise Frontpull™ torch system was the perfect hardware platform to realize the new weld process; just by adding a new software. Two innovations resulted in many advantages: No synchronizing problems leads to a high reliability, thus, just a single wire feeder is necessary. This one is integrated into the torch. Additionally the integrated new microMIG™ weld process is as good as spatter-free and provides heat-reduced welding with defined penetration.

Dual Wire 2.0™ Weld Package

For high deposition rate and high welding speed

With the torch system Dual Wire 2.0™, materials thicker than 3 mm can be joined fast and easy. The bayonet quick change system is integrated into the torch, so this new torch system supports a toolless change of the torch neck; this with a guaranteed TCP of ± 0.2 mm. We integrated two separate cooling circuits to increase the operational time of the welder and achieve a better cooling effect with this separation. The heat at the gas nozzle is already reduced and doesn't reach the torch. With its parallel wires and its round gas nozzle, 18 mm in diameter, the system is easier to clean and much easier to program, especially in curves.

Semiautomatic Weld Package SAM

Welding with robot quality

The SKS torch line was expanded with a semiautomatic Weld Package. With SAM, robot technology for the first time is available for manual welding. The semiautomatic Weld Package uses a trolley to hold the Power Feeder PF5, the Q1 weld process controller and the LSQ power source as well as an optional wire spool holder. The Q1Tool software is included – at no extra cost. The trolley is prepared for wire feeding directly from the drum, but can also be equipped with a wire spool holder. So this Weld Package is highly configurable. Q1Tool software allows easy administration of the manual control via a standard PC or notebook (reading, writing, and saving of welding parameters, e.g. for documentation).

- Robots and high quality life for hand welding

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- Robotic processes and monitoring functions can be used:
e.g. I-pulse, material characteristics
- Standard robotic welding components reduce the number of parts /
logistics advantage
- SKS same control concept reduces training efforts
- Comprehensive software package for Administration / Backup and
Restore of welding parameters

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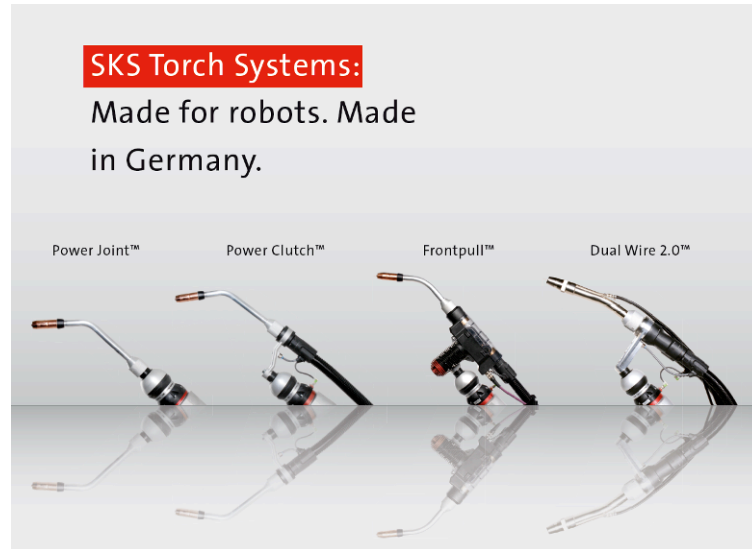
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Torch Systems Power Joint™, Power Clutch™, Frontpull™/microMIG™, Dual Wire 2.0



Semiautomatic Weld Package SAM: Trolley with power source, wire feeder, wire spool holder and Q1 hand weld controller

Further information can be found on www.sks-welding.com.

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