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Fillet Welding with UPK



Submerged arc welding on three wheels

Kjellberg Finsterwalde has added a new welding automat for submerged arc welding to its product line. Specialised in fillet welding, the automat UPK for wires with a diameter of up to 4 mm is a low-priced alternative to conventional tractors.

The welding automat UPK is lightweight but robust and will enhance the offer of Kjellberg Finsterwalde Schweißtechnik und Verschleißschutzsysteme GmbH from April on. A special feature is the uniaxial carriage; a third, stepless adjustable supporting wheel guides the carriage along the fillet weld.

As with other Kjellberg automats, the nominal values for welding current, arc voltage and travel speed are pre-set at the control panel. An automatic start and stop circuit as well as separately adjustable start-up and end crater filling phases provide best welding results. Exact positioning of the welding head with a swivel range of 15 - 45° ensures optimal seam geometry.

Wires with a diameter of up to 4 mm can be welded in this way. The grooved supporting wheel allows a smooth run over tacks. „The remarkable price-performance-ratio makes this machine optimally suitable for customers in steel and metal construction and bridge building“, says managing director Heiko Schröder.

The maximum possible welding current of 800 A is provided by the Kjellberg power source GTH 802. Other power sources of the GTH series are also available. The wire feeding head is suitable for basket coils of the K435 type. The flux hopper has a capacity of six litres and can be equipped with a flux recovery unit.

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Fillet welding automat UPK



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