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HSK HWW 1000

HSK



HSK's wedge welder HWW 1000 enables fast and safe jointing of foils and linings.

Its new HWW 1000 wedge welder is HSK's move into yet another area of plastic jointing automation. Equipments for jointing plastic pipes, which have been a familiar and appreciated sight on the market for decades, have now been added the first heating wedge welder made for jointing foils and lining sheets used in landfill II outfitting and hazardous waste processing applications and mines, but also in all storage areas and applications where chemicals sensitive to safety considerations have to be handled.

Operators in these areas of application have waited long enough and can now make use of the hallmarks for which the HSK brand is known: state-of-the-art technology engineered into equipments that are at home in the rude construction site environment and offer end-to-end traceability.

What characterizes all HSK welding systems has been reiterated for this product: the highest manufacturing quality expressing in robust mechanical parts—which is the critical criterion for a long life of the product in the harsh environment of construction sites. That's why the HWW 1000 is an excellent match for welding applications in challenging conditions.

The high-spec micro-controller of the device controls the entire welding process and sets the speed of movement and the heating wedge temperature with maximum precision. It goes without saying for this next generation of systems that relevant parameters are recorded—material, wedge temperature, length of joint, traceability data such as commission number, welder ID code, inventory number or user-defined additional data—which in fact expresses the current state of the art.

For setting the default configuration of the product and entering the welding parameters, the convenient and intuitive GT keypad is provided—as with all HSK systems.

HSK wedge welder HWW 1000



The temperature of the heating wedge is kept at up to 500°C with maximum precision, based on the specs of the used material, after the nominal temperature and the material characteristics for the imminent welding job were entered. The newly developed monitor for current flux to the heater cartridge ensures continuous temperature control. A possible current failure gets detected immediately and a plain-text alert shows on the high-res temperature range-extended character display.

The welder is equipped with a drive system that does not require any maintenance and ensures fast and reliable "weld-wise" movement throughout the process, including for foils up to 3.5 mm (4 mm) thick, at a maximum speed of 6.00 m/min.

Of course, the overlap of the two-piece joint reaching 15 mm and the in-overlap channel comply with the applicable DVS standard.

Technical Specifications	
P/N	200-240-100
HWW 1000	Wedge welder
Compatible materials	PE-HD, PE-LD, PP, Hypalon, XR-S, PVC, and others
Welding width	2 x 15 mm, others upon request
Welding velocity	0.00 - 6.00 m/min
Voltage, frequency	230 V, 50 Hz (110 V optional)
Material thickness	1 - 3.5 mm (4 mm)
Rated power	1900 W
Maximum slope for operation	unlimited
Automatic data logging	10 000 reports
Languages	DE, EN, FR, RU, PT, ES, and others upon request
Heating wedge temperature	up to 500°C
Drive system	Maintenance-free servo-motor
Overall weight	22 kg, exclusive of transport box
Welder dimensions W x L x H	266 x 403 x 318 mm
Transport box dimensions W x L x H	470 x 505 x 405 mm
Standards, approvals, quality	DVS, CE, WEEE Reg. No. DE74849106, ISO 9001:2008, RoHS-compliant
Manufacturer warranty	12 months

Applications



Even uphill to the extreme, the HSK wedge welder HWW 1000 does not face any problems and keeps a consistent speed of movement. Forward movement and optimum heating wedge temperature will be kept, no matter what slope the device rolls up.



A HSK wedge welder HWW 1000 joints a 2.5 mm PE-HD surface lining.