

Kjellberg[®]
FINSTERWALDE

Welding

Cutting

Engineering

MADE
TO
WELD



KSI 10000

SA-WELDING UP TO 1000 A

kjellberg.de



KSI 1000 MADE TO WELD.

The KSI 1000 stands for maximum energy efficiency, intuitive operation and high flexibility - developed for everyone, who creates great things every day. It combines the latest technology with the reliability of a brand that has always stood for quality "Made in Germany".

Whether automated submerged arc welding on guide systems or semi-mechanized work with robust submerged-arc tractors from the KA series: The KSI 1000 ensures that every weld seam is perfect - reliably, powerfully and efficiently.

Kjellberg SA-Welding – 90 years of experience, shaping the future

For 90 years, a spark has been burning at Kjellberg Finsterwalde that is far more than just joining metal: It is the pioneering spirit that turns ideas into innovations and experience into progress. Back in the 1930s, Kjellberg Finsterwalde made history with the development of submerged arc welding and paved the way for generations of welding solutions.

Today, we continue this tradition with pride and passion ...

... with the new inverter power source KSI 1000 from Kjellberg. It is the result of 90 years of research, engineering skill and a deep understanding of what welding really means.

With the KSI 1000, we are providing you with a tool that is ready today for the challenges of tomorrow.



FLUX RECO

Focus on the essentials

- ✓ Parallel operation of two KSI 1000s with welding currents up to 2000 A possible
- ✓ Parallel connection easy to implement thanks to Plug & Play
- ✓ Reduced switching losses
- ✓ Higher efficiency than required by EU Ecodesign Directive 2009/125/EC
- ✓ Use in demanding environments
- ✓ Easy and safe handling
- ✓ Swivel and fixed castors for variable operating locations

KAS CONTROL



System solutions

The proven Kjellberg KA series of automatic machines has stood for reliable and flexible solutions in automated and partially mechanized welding for many years. With the new KSI 1000, is now making this modular concept even more efficient.

The KSI 1000 inverter power source perfectly complements the KA series and extends its range of applications.

Kjellberg Finsterwalde thus offers a customized system solution for industry and trade with the highest energy efficiency, flexibility and precision – MADE TO WELD.



Technical data	Diameter	Welding current	Process
KA 1-UP			
.11.300.103.N	1.6 - 3.2 mm*	80 - 1000 A	SAW single wire
.11.300.105.N	2.4 - 5.0 mm	up to 2000 A (2x KSI 1000 parallel)	SAW single wire
KA 1-UP steerable			
.11.303.103.N	1.6 - 3.2 mm*	80 - 1000 A	SAW single wire
.11.303.105.N	2.4 - 5.0 mm		SAW single wire
KA 2-UP/UPP			
.11.300.203.N	1.6 - 3.2 mm*	80 - 1000 A	SAW single wire
.11.300.205.N	2.4 - 5.0 mm	up to 2000 A (2x KSI 1000 parallel)	SAW single wire
.11.300.270.N	2 x 2.0 - 2 x 3.2 mm*		SAW twin wire
KA 4-UPDG			
.11.300.400.N	1.6 - 3.2 mm* per welding head	up to 600 A per welding head	SAW double-trailing arm technology
KA 7-UPP			
.11.300.700.N	2 x 2.0 - 2 x 3.2 mm*	80 - 1000 A SAW twin wire up to 2000 A (2x KSI 1000 parallel)	SAW twin wire

* 3.2mm: Flux cored wire only

Technical data	KSI 1000
Item number	11.151.2002
Supply voltage	3/PE AC 50/60 Hz, 400 V ± 10 %
Connected load	51,5 kVA ⁽¹⁾
Fuse	125 A ⁽²⁾
Power factor cos φ	0,95 ⁽¹⁾
Efficiency	0,9 ⁽¹⁾
Effective power standby	44 W
Welding current	80 A / 18 V DC - 1000 A / 44 V DC 100 % @ 40 °C
Open circuit voltage	83 V DC
Dimensions (L x W x H)	1078 x 684 x 1281 mm ⁽³⁾
Mass	208 kg ⁽⁴⁾
International protection	IP21S
Class of insulating material	F
Cooling type	AF



⁽¹⁾ @ 1000 A / 44 V DC

⁽²⁾ As the mains current is max. 74 A, 80 A or 100 A fuses or circuit breakers can also be used.

⁽³⁾ With swivel and fixed castors and crane eyes

⁽⁴⁾ 208 kg without mains cable

235 kg with 6 m mains cable and 125 A CEE plug





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