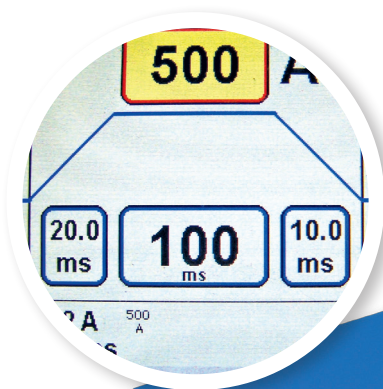
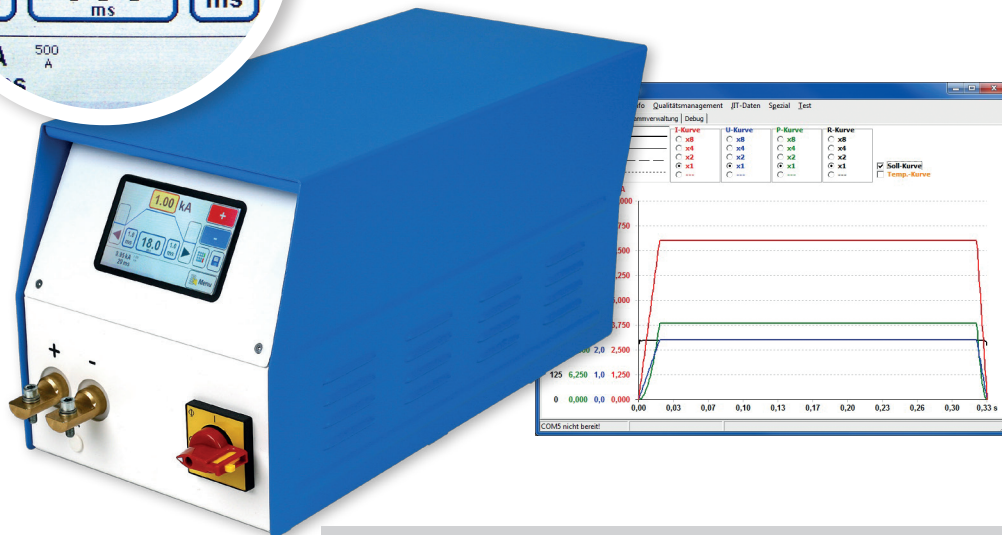


HIGH FREQUENCY-WELD SYSTEM

iSpotHFG

Our simple and intuitive to operate micro weld system for resistance welding and soldering of tiny components

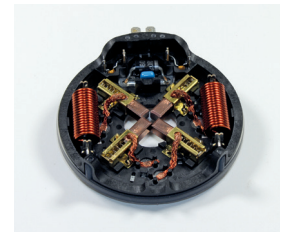
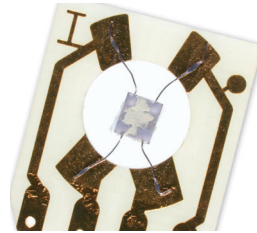
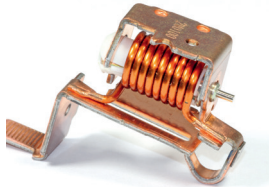


PERFORMANCE

The devices of the series iSpot are designed for manual and semi-automated workstations for resistance welding as well a soldering of micro components. A highly accurate digital regulation of current, voltage, power and temperature assures a reproducible and safe process.

FEATURES

- High regulation speed (10 / 15 kHz)
- Current, voltage and power regulation
- Capacitor discharge mode (power regulation)
- Integrated transformer
- Soldering mode (temperature regulation)
- Compact design (table top)
- 4.3" colored graphic touch display
- Analysis of current, voltage, power, resistance and temperature
- PC interface to operate and data backup
- Different user levels, password protected
- ... and much more



APPLICATIONS

- Spot welding
- Projection welding
- Cross wire welding
- Seam welding
- Gap welding
- Resistance soldering
- Bar soldering

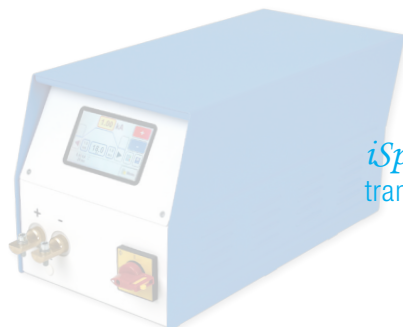
BENEFITS

- Quick production start
- Effective production processes
- Time saving due to direct parameter editing
- Effective data storage
- Flexible production planning

TECHNICAL DATA

	iSpotHFG-05 L	iSpotHFG-40 L	iSpotHFG-80 WkA
Current range	0,005 – 0,5 kA	0,05 – 4 kA	0,1 – 8 kA
Mains supply	3 x 400 V		
Mains frequency	50/60 Hz		
Mains power	1,1 kVA	2,2 kVA	16 kVA
Mains fuse (slow)	3 x 16 A	3 x 16 A	3 x 25 A
Mains cable	H07RN-F4G2,5	H07RN-F4G2,5	H07RN-F4G4,0
Open circuit voltage	8,0 V	8,0 V	10,0 V
Max sec current	500 A	4.000 A	8.000 A
Inverter cycle time	15 kHz	10 kHz	10 kHz
Max spot repetition rate / min	60	120	120
Max sec. output current @ 20%DC*	500 A	650 A	3.600 A
Output power	3,3 kVA @20% DC* 1,5 kVA @50% DC*	4,4 kVA @20% DC* 2,4 kVA @50% DC*	28 kVA @20% DC* 19 kVA @50% DC*
Cooling	air	air	water
User interface	colored touch screen / PC-Interface		
Dimensions (l x w x d)	470 x 220 x 270 mm		
Weight	14 kg	14 kg	16,5 kg

Please find more information on our web site
www.harms-wende.de



iSpotHFG: The compact table top device with integrated transformer with optional temperature regulation for soldering.