



Sinius

Maximum flexibility in designing the user interface
of your resistance welding machine



PERFORMANCE

The Sinus system offers plant engineering the opportunity to adjust the welding process individually to its application. Integration of the user interface into the system PLC. Whether 50Hz or 1kHz, you can freely choose the welding technology. Secure your competitive advantage by using a Sinus welding processor.

CHARACTERISTICS

- 50Hz, 1-phase and 3-phase
- 50 Hz oder 1kHz
- Flexible welding profile
- 8 programs
- Program chaining at AC
- KSR constant current control
- ProfiNet, Profibus, EtherCat, CAN-Bus
- Force profile via proportional valve output
... and much more

APPLICATION

- Spot welding
- Projection welding
- Cross wire welding
- Seam welding
- Gap welding
- Compacting
- Hot staking
- Resistance soldering
- Bar soldering

BENEFITS

- Best welding quality
- Integration of your own CI line
- Free welding and force profile
- Increasing competitive advantage through customization
- Easy handling and operation via the PLC

Sinius – a powerful and cost-effective investment. Thanks to the custom design of the user interface on the PLC, the retooling of old systems is also one of the strengths of this system.

TECHNICAL DATA

Feature	Sinius AC	Sinius HWI
Programs	8	8
Constant current control	yes	yes
Current type	AC	DC
Frequency	50/60 Hz	1 kHz
Programmable time segments per program	10	10
Time segment - currentless	yes	yes
Time segment - Current upslope	yes	yes
Time segment - Current	yes	yes
Time segment - Current down slope	yes	yes
three ignition outputs can be parameterized independently	yes	no
Program chaining possible (1 program with 80 profiles)	yes	no
Up to 16 modules can be connected in a cascade	yes	no
Dimensions in mm	45 x 120 x 135	262 x 355 x 245

