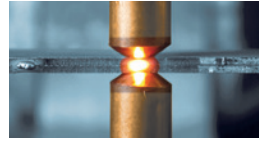


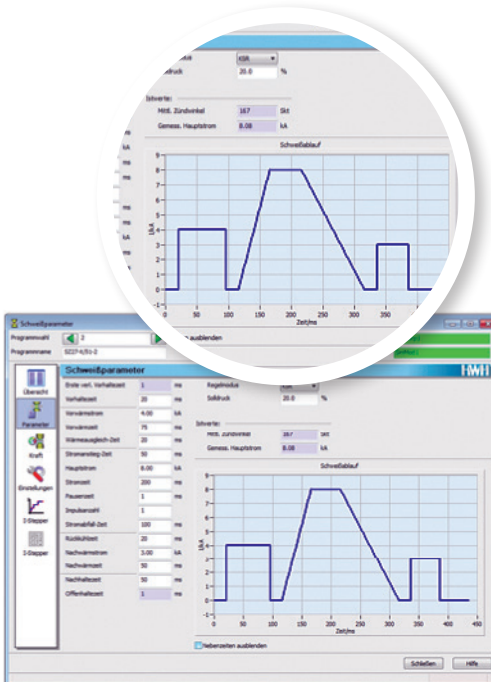


MEDIUM FREQUENCY WELDING SYSTEMS

GeniusMFI



The individual inverters
for spot and projection welds

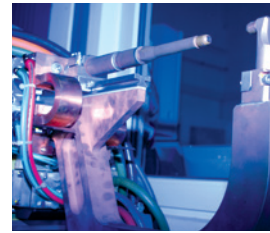
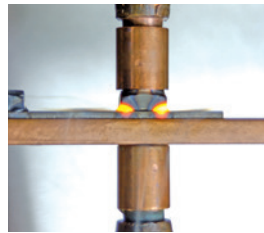
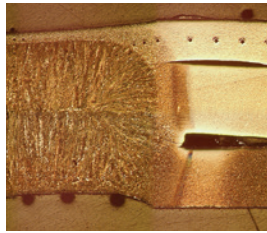


PERFORMANCE

The medium frequency inverter GeniusMFI has been designed for the needs for automotive customers. The function package can be designed individually. So the result is a flexible, compact in size and costwise optimized device for your welding task. Forced air cooling makes the unit simple to maintain. Also suitable for projection welds.

FEATURES

- Compact size
- Three current times: Pre-, main and post current
- Automatic detection of the mains supply voltage 400 to 480 V
- Internal or external supply of the Genius control box
- Constant Current Regulation (secondary)
- Adaptive feedback system IQR (option)
- Up to 1024 schedules (512 standard)
- Integrated display eliminates teach pendant.
- Effective and cost optimal forced air cooling even for harsh hot conditions
- Comfortable operation through *XPegasus* software ... and much more



APPLICATIONS

- Spot welding, Constant Current Regulation
- Adaptive feedback system IQR (option) for steel materials
- Projection welds

BENEFITS

- Best spot quality
- Compact size
- Low investment due to tailor made function package
- Maximum safety
- Optimal Quality assurance
- Effective production processes
- Competitive advantage
- Efficient data handling and backup
- Low maintenance time and investment.
- Built in display (no teach pendant required)

TECHNICAL DATA

	GeniusHWI BUS	GeniusHWI Hand	
Operation	Windows based PC with <i>XPegasus</i> software		
Schedules	512*)	4	
Weld profile	3 current times, pre- main and post current time		
Max output current	600 A		
Mains supply	3x400-480V, 50/60Hz 3x690V, 50/60Hz		
Cooling	air		
Upslope	Yes		
Downslope	Yes		
Impulsations	Yes		
Digital IO	24-V-E/As		
Optional machine interfaces	24-V-EAs, Profibus –DP electrical, Profinet electrical, Profinet optisch, EtherCAT, EtherNet/IP, CANOpen, CCLink, DeviceNet		
Electrode management	Yes		
Proportional valve		Yes, 1 valve	
Limit monitoring current	Yes		
S-Inspektor (displacement)	Optional		No
I-Inspektor (current)		Optional	
U-Inspektor (voltage)		Optional	
R-Inspektor (resistance)		Optional	
H-Inspektor (regulation limit)	Optional		No
SP-Inspektor (splatter)		Optional	
Constant Current Regulation (secondary)		Yes	
IQR (Adaptive feedback package)	Optional		Yes
PQS ^{weld} (ready)		Optional	
PQS ^{weld} on board		Optional	
QI-Inspektor (Quality inspector)		Optional	
BD-Documentation (component trace)		Optional	

*) Option: 1024 schedules



GeniusMFI – Your perfect solution for body-in-white production where production speed meets weld reliability.