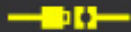


MFC-3000

PLUG & WELD
TECHNOLOGY



Autoadaptive Medium Frequency weld controller

1000Hz

Take advantage of DC welding from an AC network:

- Weld spot quality assurance system.
- Reduction of transformer weight and dimensions.
- Shorter cycle time.
- Low noise
- Accurate current regulation.
- Balanced consumption between the 3 line phases.
- Splash free welding.
- Power supply: 400-700V / 50-60 Hz.

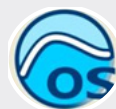
W.O.W. suite Enhanced!

**3 utilities joint to achieve
the highest weld spot quality**



Wizard Welding

Automatic generation of welding parameters



Optimal system

Self optimisation of welding parameters



Wise

Adaptive quality control

SERRA

MFC-3000

W.O.W. suite

A 3 steps software package to make easy programming tasks and to keep the highest spot weld quality in MF.

It consists of:



Wizard Welding

Automatic generation of welding parameters

- Assists the user to set welding parameters (spot by spot). Just selecting sheet material and thickness from a spot code list, Wizard Welding provide effort, current and time values required to perform a valid spot weld. Includes tables of common materials and allows the introduction of new user-defined tables.



Optimal system

Self optimization of welding parameters

- Starting from parameters programmed by users, Optimal System modifies automatically current data to achieve a more efficient new set of parameters in steel welding, obtaining higher process stability: repeatability increase, and elimination of welding splash. The system activated in a fabrication plant at full production reduces in 10% weld times.



Wise

Adaptive quality control

- WISE ensures keeping optimal conditions over time, regardless of disturbances that might appear: rust, oil, misalignment of electrodes, effort variations, etc. Each weld is dynamically and fully automatically adapted to maintain optimum conditions following a pattern by adapting welding current and weld time.

	MFC-3007CN (1 kHz) MFC-3107CN (10 kHz)	MFC-3007W (1 kHz) MFC-3107W (10 kHz)	MFC-3015Wa	MFC-3015W Master + 1 Slave	MFC-3015W Master + 2 Slaves
Power supply / Frequencies	Three Phase from 400 - 700 VCA ±15% 50-60 Hz				
Cooling system	Air	Water	Water	Water	Water
Range of working current	26 kA (4%FM)	26 kA (6%FM)	36 kA (6%FM)	74 kA (6%FM)	110 kA (6%FM)
Transformer	100 kVA	100 kVA	170 kVA	2x 170 kVA	3x 170 kVA
Max. output current	730 A (4%FM)	730 A (6%FM)	1500 A (4%FM)	3000 A (4%FM)	4500 A (4%FM)
Working frequency	1 kHz/10 kHz	1 kHz/10 kHz	1 kHz	1 kHz	1 kHz
Protection type	IP20 - norm DIN 40050				
Dimensions H x W x D (mm)	400x250x280	400x230x280	500x230x280	500x230x280 (x2)	500x230x280 (x3)
Weight	21 Kg	21 Kg	26 Kg	26 (x2) Kg	26 (x3) Kg
Inputs / Outputs	32i + 16o discrete. Expandible to 260i + 256o				
Central programming interface	Software CPC-Connect				
I/O Interface Communications	Fieldbus (InterBus • DeviceNet • ProfiBus DP • Ethernet/IP • ProfiNet)				