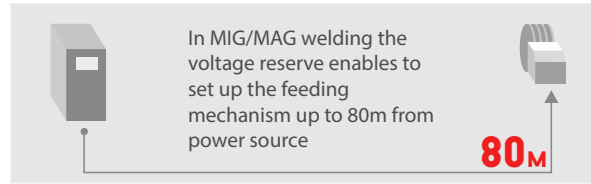


Sigma Weld - Pro MIG

Digital Welding Inverters



WELDING MODES

NORMAL **R-PIPE**
ROOT **PULSE**
JETARC **TIG DC LIFT**
DAC-MD **GOUGING MMA**
ROOT-MD

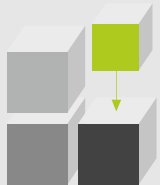
Sigma Weld Pro Series is State of the art digital welding technology operating at 150kHz. Very quick response time and better welding performance each time. The modular technology helps increase duty cycle upto 100% and ensures maximum machine uptime.

The Pro MIG series is available in 3 variants to *Synergic, Pulsed and Special programs for Aluminium pulsed welding.*

Optional Industry 4.0 compliance can be inbuilt to give you a complete Log of programs used, welder details, Gas, Current, Voltage and other critical parameters against time stamp. This can be viewed over LAN on any computer.

Access control sensor's help identify "who" is operating the machine and allows limited access to parameter changes. Welders cannot change parameters beyond allowable W.P.S.

Optional Intelligent water cooling unit. Monitors water flow, Water Temperature and 3 colour display to indicate Healthy, Idle or Error mode.



Modular Architecture
Max Up time.



100% @ 40°C
ensures non-stop welding



Extremely fast switching,
ensures quick response time &
repeated quality



Option of adjusting wire feed rate
regardless of synergy



Protection class guarantees safety of unit under harsh operation conditions



Full digital control of all welding parameters

Pro Synergic	Pro Pulse	Pro Aluminium
Synergetic control	Synergetic control	Synergetic control
100 Program memory	100 Program Memory	100 Program Memory
Root welding modes for welding of root runs	Root welding modes for welding of root runs	Root welding modes for welding of root runs
Deep Penetration mode	Deep Penetration mode	Deep Penetration mode
Mode of MMA Manual arc welding	Mode of MMA Manual arc welding	Mode of MMA Manual arc welding
DAC function for aluminium alloys enables its direct control	DAC function for aluminium alloys enables its direct control	DAC function for aluminium alloys enables its direct control
Carbon arc gouging mode	Carbon arc gouging mode	Carbon arc gouging mode
	Pulse programs for steel	Pulse programs for steel
		Pulse programs for aluminium alloys

Sigma Weld - Pro MIG

Digital Welding Inverters

- Simple and digital torches can be used.
- Air or water cooling of the torch
- Remote control panel
- Option of manual control of welding parameters outside synergetic mode
- 2 cycle, 4 cycle welding modes
- Program for root welds and thin materials
- DAC (Direct Arc Control) - Short circuit control
- Program for compressed Jet arc, with deep penetration (jet arc).
- Special mode for vertical welds (3G)
- Option for integrating hybrid processes
- Function of hot or soft start and crater filling
- Option of working in TIG lift, MMA and Gouging modes.
- Colour screen 5" with colour selection on panel subject to lighting intensity and time of day.
- Interactive intuitive control panel with remotely updated firmware.
- Wi-Fi for documenting modes, re-programming and identifying personnel.
- Galvanised long-life body and high duty trolley.
- Large diameter trolley wheels.

Specifications

Current Source	MIG 350	MIG 400	MIG 500	MIG 650
The range of welding current in the mode: MIG/MAG	25 - 350	25 - 400	25 - 500	25 - 650
MMA	30 - 350	30 - 400	30 - 500	30 - 650
Gouging	150 - 350	150 - 400	150 - 500	150 - 650
TIG DC Lift	3 - 350	3 - 400	3 - 500	3 - 650
Duty Cycle	350A @100% at 40 °C	400A @100% at 40 °C	500A @100% at = 40 °C	650A @100% at = 40 °C
Power grid	400V (± 25%)	400V (± 25%)	400V (± 25%)	400V (± 25%)
Current Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Max. current input	25 A	25 A	43 A	66 A
Circuit breaker	3x32A	3x32A	3x63 A	3x80 A
Max. input capacity	12,2kW	12,2kW	21,7 kW	33,6 kW
Efficiency	96%	96%	96%	96%
Open circuit voltage	93V	93V	93V	93V
Dimension	740x300x460 mm	740x300x460 mm	740x300x660 mm	740x300x660 mm
Weight	41 kg	41 kg	55 kg	60 kg
Protection class	IP 34	IP 34	IP 34	IP 34
Isolation class	H	H	H	H

Electronics Devices Worldwide Pvt. Ltd.