



NEW



Welding process

- MMA stick welding
- TIG DC Lift and HF start welding
- TIG AC welding
- TIG MIX AC/DC welding

Materials

- Carbon steels
- Stainless steels
- Aluminum and aluminum alloys
- Nickel and nickel alloys
- Copper and copper alloys
- Titanium and titanium alloys
- Cast irons

Applications

- Light job shop fabrication
- Medium-heavy job shop fabrication
- Boiler and tank construction
- Building sites
- Shipyards
- Plants machinery construction
- Automobile industry
- Motorcycle industry
- Cycle industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Repair and overhaul
- Vehicle bodywork repair
- Pipeline construction






Technical features

- “Green@wave” inverter technology for high energy efficiency and perfect control over all welding phases
- Heavy duty and environmental conditions, high service life
- Selco CAN fieldbus digital communication protocol system (very high speed and high reliability digital communication)
- Software based controls can be upgraded as new features become available
- Reduced dimensions and compact construction
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Energy-saving inverter technology (built-in P.F.C. - power factor controller)
- Full digital and user-friendly LCD graphic display control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Totally programmable user interface
- Control of several welding units over Ethernet
- Totally welding process remote programming and management by PC network
- Ideal for stick welding with all types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Bi-Level operating mode
- Pulsed and fast pulsed operating mode (2500Hz)
- AC waveform selection (Square, Triangle, Sinusoidal, Mixed)
- AC frequency adjustment 200Hz
- Precise arc striking and high stability arc (fuzzy logic)
- Electrode tip rounding controlled by easy rounding functionality
- Easy joining
- Manual restart or downslope stop functions
- “Extra energy” setting for deeper penetration
- Lock-unlock function key protected by password
- User-defined welding program storage capability (64 free memory locations)
- Power source trolley for easy system manoeuvrability
- Forgiving arc for a low noise welding operations
- Linear controlled fan on demand
- Dinse connector, 50/70mm²
- Digital TIG torch compatible
- Remote control compatible
- Selco WU cooling unit compatible
- Controlled cooling operations

Power source

			P	X%			P.F.	I₂	U_o	IP	mm l x W x h	Kg
Genesis 2700 AC/DC	3x400V	16A	10,9kVA 10,4kW	40°C	40%	270A	0,95	3-270A	80V	23S	620x240x460mm	27,0kg
				40°C	60%	250A						
Genesis 3200 AC/DC	3x230V	20A	11,1kVA 10,6kW	40°C	40%	270A	0,96	3-270A	80V	23S	620x240x460mm	27,0kg
				40°C	60%	240A						
	3x400V	16A	13,8kVA 13,1kW	40°C	40%	320A	0,95	3-320A	80V	23S	620x240x460mm	27,5kg
				40°C	60%	300A						
				40°C	100%	270A						
				25°C	60%	320A						
3x230V	25A	11,1kVA 10,6kW	40°C	30%	320A	0,96	3-320A	80V	23S	620x240x460mm	27,5kg	
			40°C	60%	270A							
			40°C	100%	250A							
			25°C	65%	320A							
			25°C	100%	250A							

Cooling unit

		P		IP		
WU 2000	360V	1,0kW	3,0l	23S	660x240x220mm	12,0kg

Part No. **Description****Genesis 2700 AC/DC - LCD 3,5" - TIG welding configuration - Gas**

55.08.007	GENESIS 2700 AC/DC 3X230V-3X400V - LCD 3.5"
71.03.03101	POWER SOURCE TROLLEY GT 400 TIG
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m -AIR COOLED
71.05.020	WORK CABLE - 35mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER

Genesis 2700 AC/DC - LCD 3,5" - TIG welding configuration - Water

55.08.007	GENESIS 2700 AC/DC 3X230V-3X400V - LCD 3.5"
71.03.034	COOLING UNIT WU 2000
71.03.03101	POWER SOURCE TROLLEY GT 400 TIG
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.020	WORK CABLE - 35mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER

Genesis 3200 AC/DC - LCD 3,5" - TIG welding configuration - Gas

55.08.008	GENESIS 3200 AC/DC 3X230V-3X400V - LCD 3.5"
71.03.03101	POWER SOURCE TROLLEY GT 400 TIG
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m -AIR COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER

Genesis 3200 AC/DC - LCD 3,5" - TIG welding configuration - Water

55.08.008	GENESIS 3200 AC/DC 3X230V-3X400V - LCD 3.5"
71.03.034	COOLING UNIT WU 2000
71.03.03101	POWER SOURCE TROLLEY GT 400 TIG
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER

Accessories**Power source**

55.08.007	GENESIS 2700 AC/DC 3X230V-3X400V - LCD 3.5"
55.08.008	GENESIS 3200 AC/DC 3X230V-3X400V - LCD 3.5"
55.08.011	GENESIS 2700 AC/DC 3X230V-3X400V - LCD 4.7"
55.08.012	GENESIS 3200 AC/DC 3X230V-3X400V - LCD 4.7"

Cooling unit

71.03.034	COOLING UNIT WU 2000
18.91.001	ANTIFREEZING LIQUID (10kg)

Remote control unit

71.02.400	REMOTE CONTROL UNIT RC 100 - L.6m
71.02.500	REMOTE CONTROL UNIT RC 120 - L.6m - FOOT
71.02.023	REMOTE CONTROL UNIT RC 180 - L.6m
71.02.200	REMOTE CONTROL UNIT RC 200 - L.6m

Torch

81.32.155	TIG WELDING TORCH ST2200 - L.4m - AIR COOLED
81.32.156	TIG WELDING TORCH ST2200 - L.8m - AIR COOLED
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m -AIR COOLED
81.32.154	TIG WELDING TORCH ST2200 U/D - L.8m -AIR COOLED
81.32.151	TIG WELDING TORCH ST2200 DIGITIG - L.4m - AIR COOLED
81.32.152	TIG WELDING TORCH ST2200 DIGITIG - L.8m - AIR COOLED
81.32.255	TIG WELDING TORCH ST4000 - L.4m - LIQUID COOLED
81.32.256	TIG WELDING TORCH ST4000 - L.8m - LIQUID COOLED
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
81.32.254	TIG WELDING TORCH ST4000 U/D - L.8m - LIQUID COOLED
81.32.251	TIG WELDING TORCH ST4000 DIGITIG - L.4m - LIQUID COOLED
81.32.252	TIG WELDING TORCH ST4000 DIGITIG - L.8m - LIQUID COOLED
73.12.019	TIG TORCH CONNECTION KIT

Part No.	Description
Stick electrode holder	
71.04.020	STICK ELECTRODE HOLDER - POWER CABLE 35mm ² - L.4m
71.04.021	STICK ELECTRODE HOLDER - POWER CABLE 50mm ² - L.4m
Earth cable	
71.05.020	WORK CABLE - 35mm ² - L.4m
71.05.025	WORK CABLE - 50mm ² - L.4m
Power source trolley	
71.03.03101	POWER SOURCE TROLLEY GT 400 TIG
Other	
72.01.003	PRESSURE LIMITER WITH FLOWMETER
72.04.001	ARGON-CO2 GAS FITTING