



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
- Boiler and tank construction
- Building sites
- Shipyards
- 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

Icon	Process	Input	P	X%	P.F.	I ₂	U _o	IP	mm l x W x h	Kg	
Genesis 1700 AC/DC	1x230V MMA	16A	5,0kVA 5,0kW	40°C 35% 40°C 60% 40°C 100% 25°C 100%	150A 120A 90A 150A	1,00	3-150A	80V	23S	500x190x400mm	18,8kg
	1x230V TIG	16A	5,0kVA 5,0kW	40°C 35% 40°C 60% 40°C 100% 25°C 100%	170A 150A 130A 170A	1,00	3-170A	80V	23S	500x190x400mm	18,8kg
	1x115V MMA	25A	5,0kVA 5,0kW	40°C 35% 40°C 60% 40°C 100% 25°C 100%	120A 100A 80A 120A	1,00	3-120A	80V	23S	500x190x400mm	18,8kg
	1x115V TIG	25A	5,0kVA 5,0kW	40°C 35% 40°C 60% 40°C 100% 25°C 100%	150A 130A 110A 150A	1,00	3-150A	80V	23S	500x190x400mm	18,8kg

Power source

			P	X%			P.F.	I₂	U_o	IP	 mm l x w x h	 Kg
Genesis 2200 AC/DC	1x230V MMA	20A	6,4kVA 6,4kW	40°C 40°C 40°C 25°C 25°C	35% 60% 100% 60% 100%	180A 150A 130A 180A 160A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg
	1x230V TIG	20A	6,4kVA 6,4kW	40°C 40°C 40°C 25°C 25°C	35% 60% 100% 60% 100%	220A 170A 150A 220A 180A	1,00	3-220A	80V	23S	500x190x400mm	18,8kg
	1x115V MMA	30A	6,4kVA 6,4kW	40°C 40°C 40°C 25°C	35% 60% 100% 100%	130A 110A 90A 130A	1,00	3-130A	80V	23S	500x190x400mm	18,8kg
	1x115V TIG	30A	6,4kVA 6,4kW	40°C 40°C 40°C 25°C	35% 60% 100% 100%	180A 140A 130A 180A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg

Cooling unit

		P		IP	 mm l x w x h	 Kg
WU 1000	48V	0,6kW	2,0l	23S	480x190x180mm	8,8kg

Part No.	Description
Genesis 1700 AC/DC - TIG welding configuration - Gas	
55.08.013	GENESIS 1700 ACDC 1x115V-1x230V - LCD 3.5"
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m - AIR COOLED
71.05.016	WORK CABLE - 25mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER
Genesis 1700 AC/DC - TIG welding configuration - Water	
55.08.013	GENESIS 1700 ACDC 1x115V-1x230V - LCD 3.5"
71.03.025	COOLING UNIT WU1000
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.016	WORK CABLE - 25mm ² - L.4m
72.01.003	PRESSURE LIMITER WITH FLOWMETER
Genesis 2200 AC/DC - TIG welding configuration - Gas	
55.08.014	GENESIS 2200 ACDC 1x115V-1x230V - LCD 3.5"
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 2200 AC/DC - TIG welding configuration - Water	
55.08.014	GENESIS 2200 ACDC 1x115V-1x230V - LCD 3.5"
71.03.025	COOLING UNIT WU1000
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
Accessories	
Cooling unit	
71.03.025	COOLING UNIT WU1000
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

Part No.	Description
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
Stick electrode holder	
71.04.01901	STICK ELECTRODE HOLDER - POWER CABLE 25mm ² - L.4m - PLUG 50mm ²
Earth cable	
71.05.016	WORK CABLE - 25mm ² - L.4m
71.05.020	WORK CABLE - 35mm ² - L.4m
Power source trolley	
71.03.030	POWER SOURCE TROLLEY GT 200
71.03.026	POWER SOURCE TROLLEY GT 300
Weld@Net system	
74.04.030	SOFTWARE WELD@NET MONITOR 2.0 (2 LICENCES)
74.04.031	SOFTWARE WELD@NET CONTROL MONITOR 2.0 (2 LICENCES)
71.02.020	RI XP STANDARD I/O INTERFACE
71.02.019	RI WA STANDARD I/O INTERFACE
71.02.112	CAN BUS CONNECTION CABLE
74.04.023	RI OFFICE KIT
Other	
72.01.003	PRESSURE LIMITER WITH FLOWMETER
72.04.001	ARGON-CO2 GAS FITTING