

**Welding process**

- MMA stick welding
- TIG DC Lift and HF start welding
- MIG/MAG short spray manual arc welding
- MIG/MAG short spray synergic arc welding
- MIG/MAG short spray pulsed arc welding
- MIG/MAG pulsed synergic welding
- MIG/MAG double pulsed synergic welding
- MIG/MAG brazing

**Materials**

- |                                    |                                  |
|------------------------------------|----------------------------------|
| • Carbon steels                    | • Copper and copper alloys       |
| • Aluminized and galvanized steels | • Magnesium and magnesium alloys |
| • Stainless steels                 | • Titanium and titanium alloys   |
| • Duplex steels                    | • Special materials              |
| • Nickel and nickel alloys         | • Cast irons                     |
| • Aluminum and aluminum alloys     |                                  |

**Applications**






- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| • Light job shop fabrication         | • Nuclear industry                   |
| • Medium-heavy job shop fabrication  | • Military industry                  |
| • Building sites                     | • Aeronautics and Aerospace industry |
| • Shipyards                          | • Food industry                      |
| • Plants machinery construction      | • Chemical industry                  |
| • Oil refinery plants construction   | • Repair and overhaul                |
| • Machine and apparatus construction | • Workshops                          |
| • Automobile industry                | • Sheet metal working                |
| • Railway industry                   |                                      |











- "Green@wave" inverter technology for high energy efficiency and perfect control over all welding phases
- High power at 100% of duty cycle
- 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
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Linear controlled fan on demand
- Energy-saving inverter technology (built-in P.F.C. - power factor controller)
- Wire feeder unit (2/4 rolls drive)
- Fully Selco designed wire drive unit
- Full parameters control panel on wire feeder unit
- Ø 200/300 mm wire spool compatible
- Wheels kit option compatible
- Full digital and user-friendly LCD graphic display control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- User-defined welding program storage capability (64 free memory locations)
- Totally programmable user interface
- Programmable welding operations safety limits
- Lock-unlock function key protected by password
- 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)
- Synergic setting for optimal stick welding with all types of electrodes
- Precise arc striking and high stability arc
- 2/4 step operating mode
- Arc dynamic adjustment
- Perfect arc ignition (soft start - motor slope)
- Burn-back and droplet detachment correction
- Crater filler operating mode
- Synergic operations from databank (60 pre-set programs)
- Wire speed (0,5-22,0 m/min), amperage and piece thickness adjustment
- Spot welding mode
- Intermittent welding mode
- Bilevel MIG/MAG
- Digital TIG torch compatible
- Smart slope control
- Digital MIG/MAG torch compatible
- Push-pull torch device
- Remote control compatible
- Selco WU cooling unit compatible
- Controlled cooling operations

Power source

			<b>P</b>	<b>X%</b>			<b>P.F.</b>	<b>I<sub>2</sub></b>	<b>U<sub>o</sub></b>	<b>IP</b>	 mm l x w x h	 Kg
<b>Genesis 3200 GSM</b>	3x400V MMA	20A	13,0kVA 12,4kW	40°C 40°C 40°C 25°C 25°C	50% 60% 100% 60% 100%	320A 300A 250A 320A 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x400V TIG	20A	13,0kVA 12,4kW	40°C 40°C 40°C 25°C 25°C	60% 100% 100% 70% 100%	320A 270A 320A 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x400V MIG/MAG	20A	13,0kVA 12,4kW	40°C 40°C 40°C 25°C 25°C	50% 60% 100% 70% 100%	320A 310A 250A 320A 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V MMA	30A	13,3kVA 12,8kW	40°C 40°C 40°C 25°C 25°C	35% 60% 100% 60% 100%	320A 270A 230A 320A 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V TIG	30A	13,3kVA 12,8kW	40°C 40°C 40°C 25°C 25°C	45% 60% 100% 70% 100%	320A 300A 250A 320A 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V MIG/MAG	30A	13,3kVA 12,8kW	40°C 40°C 40°C 25°C 25°C	35% 60% 100% 60% 100%	320A 280A 230A 320A 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg


Wire feeder unit

	<b>P</b>	$\phi$ (m/min)	 mm		$\emptyset$ mm	$\phi$				<b>IP</b>	 mm l x w x h	 Kg
<b>WF 4000 CLASSIC</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	640x250x460mm	19,0kg
<b>WF 4000 SMART</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	640x250x460mm	19,0kg
<b>WF 4000 EXCLUSIVE</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	640x250x460mm	19,0kg
<b>WF 3000 CLASSIC</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	660x280x390mm	20,3kg
<b>WF 3000 SMART</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	660x280x390mm	20,3kg
<b>WF 3000 EXCLUSIVE</b> SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●	○	○	23S	660x280x390mm	20,3kg

● = Included ○ = Optional

A = Aluminum Z = Cored

Cooling unit

		<b>P</b>		<b>IP</b>	 mm l x w x h	 Kg
<b>WU 2000</b>	360V	1,0kW	3,0l	23S	660x240x220mm	12,0kg

Part No.	Description
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Gas - WF 4000 CLASSIC</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.018	WIRE FEEDER WF4000 CLASSIC
71.06.311	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Gas - WF 4000 SMART</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.014	WIRE FEEDER WF4000 SMART - LCD 3.5"
71.06.311	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Gas - WF 4000 EXCLUSIVE</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.019	WIRE FEEDER WF4000 EXCLUSIVE - LCD 4.7"
71.06.311	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1,5m
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
81.32.153	TIG WELDING TORCH ST2200 U/D - L.4m - AIR COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Water - WF 4000 CLASSIC</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.018	WIRE FEEDER WF4000 CLASSIC
71.06.300	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1.5m
71.03.034	COOLING UNIT WU 2000
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Water - WF 4000 SMART</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.014	WIRE FEEDER WF4000 SMART - LCD 3.5"
71.06.300	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1.5m
71.03.034	COOLING UNIT WU 2000
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
<b>Genesis 3200 GSM - MIG/MAG welding configuration - Water - WF 4000 EXCLUSIVE</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
71.01.019	WIRE FEEDER WF4000 EXCLUSIVE - LCD 4.7"
71.06.300	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1.5m
71.03.034	COOLING UNIT WU 2000
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
81.32.253	TIG WELDING TORCH ST4000 U/D - L.4m - LIQUID COOLED
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER

Part No.	Description
<b>Accessories</b>	
<b>Power source</b>	
55.04.004	GENESIS 3200 GSM 3X230V-3X400V - LCD 3.5"
55.04.005	GENESIS 3200 GSM 3X230V-3X400V - LCD 4.7"
<b>Wire feeder unit</b>	
71.01.018	WIRE FEEDER WF4000 CLASSIC
71.01.014	WIRE FEEDER WF4000 SMART - LCD 3.5"
71.01.019	WIRE FEEDER WF4000 EXCLUSIVE - LCD 4.7"
71.01.020	WIRE FEEDER WF 3000 CLASSIC
71.01.013	WIREFEEDER WF3000 SMART - LCD 3.5"
71.01.021	WIRE FEEDER WF3000 EXCLUSIVE - LCD 4.7"
73.10.065	FEED UNIT BIG WHEELS - UPGRADE KIT (D.125mm)
73.10.066	FEED UNIT LITTLE WHEELS - UPGRADE KIT (D.63mm)
73.10.067	WIRE FEEDER HOLDER KIT
07.01.502	UPGRADE KIT FROM 2 ROLLS DRIVE TO 4 ROLLS DRIVE
<b>Cable bundle</b>	
71.06.311	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1,5m
71.06.312	CABLE ASSEMBLY 50mm <sup>2</sup> - L.4m
71.06.313	CABLE ASSEMBLY 70mm <sup>2</sup> - L.1,5m
71.06.314	CABLE ASSEMBLY 70mm <sup>2</sup> - L.4m
71.06.315	CABLE ASSEMBLY 70mm <sup>2</sup> - L.10m
71.06.316	CABLE ASSEMBLY 70mm <sup>2</sup> - L.15m
71.06.317	CABLE ASSEMBLY 70mm <sup>2</sup> - L.20m
71.06.318	CABLE ASSEMBLY 70mm <sup>2</sup> - L.30m
71.06.300	CABLE ASSEMBLY 50mm <sup>2</sup> - L.1.5m
71.06.301	CABLE ASSEMBLY 50mm <sup>2</sup> - L.4m
71.06.302	CABLE ASSEMBLY 70mm <sup>2</sup> - L.1,5m
71.06.303	CABLE ASSEMBLY 70mm <sup>2</sup> - L.4m
71.06.304	CABLE ASSEMBLY WATER 70mm <sup>2</sup> - L.10m
71.06.319	CABLE ASSEMBLY 70mm <sup>2</sup> - L.15m
71.06.320	CABLE ASSEMBLY 70mm <sup>2</sup> - L.20m
71.06.321	CABLE ASSEMBLY 70mm <sup>2</sup> - L.30m
73.12.019	TIG TORCH CONNECTION KIT
<b>Cooling unit</b>	
71.03.034	COOLING UNIT WU 2000
18.91.001	ANTIFREEZING LIQUID (10kg)
<b>Remote control unit</b>	
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
<b>Torch</b>	
81.01.041	MIG/MAG WELDING TORCH MB 36 KD - L.4m - AIR COOLED
81.01.053	MIG/MAG WELDING TORCH 452 DW - L.3m - LIQUID COOLED
81.01.054	MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED
81.01.060	MIG/MAG WELDING TORCH MB 501 D - L.3m - LIQUID COOLED
81.01.061	MIG/MAG WELDING TORCH MB 501 D - L.4m - LIQUID COOLED
81.01.085	MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - 45°
81.01.086	MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - 45°
81.01.083	MIG/MAG WELDING TORCH PP PLUS 401D - L.4m - LIQUID COOLED - STRAIGHT
81.01.084	MIG/MAG WELDING TORCH PP PLUS 401D - L.8m - LIQUID COOLED - STRAIGHT
73.11.012	PUSH PULL KIT
81.32.155	TIG WELDING TORCH ST2200 - L.4m - AIR COOLED
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
<b>Stick electrode holder</b>	
71.04.021	STICK ELECTRODE HOLDER - POWER CABLE 50mm <sup>2</sup> - L.4m
<b>Earth cable</b>	
71.05.025	WORK CABLE - 50mm <sup>2</sup> - L.4m
<b>Power source trolley</b>	
71.03.031	POWER SOURCE TROLLEY GT 400 MIG
<b>Weld@Net system</b>	
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
<b>Other</b>	
72.01.007	PRESSURE LIMITER - IT
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
72.04.001	ARGON-CO2 GAS FITTING