

Welding process

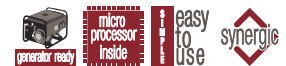
- MMA stick welding
- Air Carbon Arc gouging
- TIG DC Lift start welding
- MIG/MAG short spray manual arc welding
- MIG/MAG short spray synergic arc welding
- MIG/MAG pulsed synergic welding
- MIG/MAG brazing

Materials

- Carbon steels
- Aluminized and galvanized steels
- Stainless steels
- Duplex steels
- Nickel and nickel alloys
- Aluminum and aluminum alloys
- Copper and copper alloys
- Special materials

Applications

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



Technical features

- Advanced inverter technology power source for superior arc performance
- High power at 100% of duty cycle
- Heavy duty and enviromental conditions, high service life
- High temperature, shockproof, abrasion resistant plastic case
- Air flow ducting and fully encapsulated PC board to avoid dust contamination
- Linear controlled fan on demand
- Excellent performances also with long power supply extension cables
- Wire feeder unit (4 rolls drive)
- Ø 200/300 mm wire spool compatible
- Full digital and user-friendly control panel
- Welding parameters digital display
- Last job settings auto-storage at switch-off
- Ideal for stick welding with all types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Reduced electromagnetic interference with lift start TIG welding
- 2/4 step operating mode
- Perfect arc ignition (soft start)
- Burn-back and droplet detachment correction
- Crater filler operating mode
- Synergic operations from databank (80 pre-set programs)
- Wire speed (1-22 m/min), amperage and piece thickness adjustment
- Euro adaptor - MIG/MAG torch compatible
- Push-pull torch device
- 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 352 PME	3x400V	30A	19,0kVA 13,7kW	40°C	60%	350A	0,72	6-350A	81V	23S	620x280x500mm	34,0kg
				40°C	100%	270A						
				25°C	100%	350A						
Genesis 503 PME	3x400V	40A	29,8kVA 23,0kW	40°C	50%	500A	0,77	6-500A	79V	23S	620x280x500mm	42,0kg
				40°C	60%	460A						
				40°C	100%	400A						
				25°C	100%	500A						

Wire feeder unit

	P	ϕ (m/min)	ϕ mm		ϕ mm	ϕ				IP	mm l x w x h	△Kg
WF 104 IC 4R-4T	120W	1,0-22,0m/min	200/300mm	4 ●	1,0/1,2mm ●	●	●	○	○	23S	600x200x440mm	18,0kg
					0,6-1,6mm ○							
					A 0,8-1,6mm ○							
					Z 1,2-2,4mm ○							

● = Included ○ = Optional

A = Aluminum Z = Cored

Cooling unit

		P		IP	mm l x w x h	△Kg
WU 21	1x400V	1,2kW	6,0l	23S	660x250x280mm	16,0kg

Part No.	Description
Genesis 352 PME - MIG/MAG welding configuration	
55.03.135	GENESIS 352 PME 3x400V
71.01.104	FEED UNIT - WF 104
71.03.021	COOLING UNIT WU 21
71.06.240	CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m
71.03.023	POWER SOURCE TROLLEY GT 23 MIG
71.05.030	WORK CABLE - 70mm ² - L.4m
81.01.054	MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
Genesis 503 PME - MIG/MAG welding configuration	
55.03.150	GENESIS 503 PME 3x400V
71.01.104	FEED UNIT - WF 104
71.03.021	COOLING UNIT WU 21
71.06.240	CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m
71.03.023	POWER SOURCE TROLLEY GT 23 MIG
71.05.030	WORK CABLE - 70mm ² - L.4m
81.01.054	MIG/MAG WELDING TORCH 452 DW - L.4m - LIQUID COOLED
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
Accessories	
Remote control unit	
71.02.007	REMOTE CONTROL UNIT RC 07 - L.5m
Torch	
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
81.02.008	TIG WELDING TORCH SR 26 V - L.4m - AIR COOLED
81.02.009	TIG WELDING TORCH SR 26 V - L.8m - AIR COOLED
Earth cable	
71.05.025	WORK CABLE - 50mm ² - L.4m
71.05.030	WORK CABLE - 70mm ² - L.4m
71.05.035	WORK CABLE - 90mm ² - L.4m
Wirefeeder	
71.01.104	FEED UNIT - WF 104
73.10.050	FEED UNIT WHEELS - UPGRADE KIT
73.10.002	4 ROLLS FEED UNIT - SPARE KIT
73.10.004	4 ROLLS FEED UNIT ALUMINUM WIRE DRIVE KIT
73.11.007	PUSH PULL - UPGRADE KIT
Cable bundle	
71.06.236	CABLE ASSEMBLY - WATER COOLED 35mm ² - L.1,3m
71.06.240	CABLE ASSEMBLY - WATER COOLED 70mm ² - L.1,3m
71.06.241	CABLE ASSEMBLY - WATER COOLED 70mm ² - L.4m
71.06.245	CABLE ASSEMBLY - WATER COOLED 70mm ² - L.30m
71.06.251	CABLE ASSEMBLY - WATER COOLED 95mm ² - L.4m
71.06.254	CABLE ASSEMBLY - WATER COOLED 95mm ² - L.10m
71.06.255	CABLE ASSEMBLY - WATER COOLED 95mm ² - L.15m
Cooling unit	
71.03.021	COOLING UNIT WU 21
18.91.001	ANTIFREEZING LIQUID (10kg)
Power source trolley	
71.03.023	POWER SOURCE TROLLEY GT 23 MIG
71.03.024	POWER SOURCE TROLLEY GT 24 (BUILT-IN TRANSFORMER)
Other	
72.01.007	PRESSURE LIMITER - IT
72.01.001	PRESSURE LIMITER WITH PREHEATER AND FLOWMETER
72.04.001	ARGON-CO2 GAS FITTING