

Genesis 3200 GSM

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

Applications

- Light job shop fabrication
- Medium-heavy job shop fabrication

- Building sites
- Shipyards
- Plants machinery construction
- Oil refinery plants construction
- Machine and apparatus construction
- Automobile industry
- Railway industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Repair and overhaul
- Workshops
- Sheet metal working

Technical features

- High power at 100% of duty cycle
- Heavy duty and enviromental 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
- 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

Genesis 3200 GSM			P	X%			P.F.	I ₂	U _o	IP	 mm l x w x h	 Kg
	3x400V MIG/MAG	20A	13,0kVA 12,4kW	40°C	50%	320A	0,95	3- 320A	75V	23S	620x240x460mm	27,6kg
				40°C	60%	310A						
				40°C	100%	250A						
				25°C	70%	320A						
				25°C	100%	270A						
			P	X%			P.F.	I ₂	U _o	IP	 mm l x w x h	 Kg
	3x400V TIG	20A	13,0kVA 12,4kW	40°C	60%	320A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
				40°C	100%	270A						

			25°C	70%	320A						
			25°C	100%	270A						
		P	X%			P.F.	I₂	U₀	IP	 mm l x w x h	 Kg
3x400V MMA	20A	13,0kVA 12,4kW	40°C	50%	320A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
			40°C	60%	300A						
			40°C	100%	250A						
			25°C	60%	320A						
			25°C	100%	270A						
		P	X%			P.F.	I₂	U₀	IP	 mm l x w x h	 Kg
3x230V MIG/MAG	30A	13,3kVA 12,8kW	40°C	35%	320A	0,96	3- 320A	75V	23S	620x240x460mm	27,6kg
			40°C	60%	280A						
			40°C	100%	230A						
			25°C	60%	320A						
			25°C	100%	270A						
		P	X%			P.F.	I₂	U₀	IP	 mm l x w x h	 Kg
3x230V TIG	30A	13,3kVA 12,8kW	40°C	45%	320A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg
			40°C	60%	300A						
			40°C	100%	250A						
			25°C	70%	320A						
			25°C	100%	270A						
		P	X%			P.F.	I₂	U₀	IP	 mm l x w x h	 Kg

				40°C	35%	320A							
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	3x230V MMA	30A	13,3kVA 12,8kW	40°C	100%	230A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg	
				25°C	60%	320A							
				25°C	100%	270A							

Wire feeder unit

	P	ϕ (m/min)	ϕ mm		$\emptyset$ mm	ϕ 		T		IP	 mm l x w x h	 kg
WF 2000 CLASSIC SL 2R-2T	120W	0,5-22,0m/min	200mm	2 ●	1,0/1,2mm ● 0,6-1,6mm ○ A 0,8-1,6mm ○ Z 1,2-2,4mm ○	●	●			23S	470x170x340mm	8,8kg
WF 3000 CLASSIC 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
WF 3000 SMART 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
WF 3000 EXCLUSIVE 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 ○	●	●	○	○	23S	660x280x390mm	20,3kg

					Z 1,2-2,4mm ○							
WF 4000 CLASSIC 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
WF 4000 SMART 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
WF 4000 EXCLUSIVE 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

● = Included ○ = Optional A = Aluminum Z = Cored

Cooling units							
WU 2000			P		IP	 mm l x W x h	 Kg
	WU 2000	360V	1,0kW	3,0l	23S	660x240x220mm	12,0kg