



Welding process

- MMA (Electrode)
- TIG DC Lift and HF start

Materials

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

Applications

- Light job shop fabrication
- Boiler and tank construction
- Buildings 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
- Chassis
- Workshops



Technical features

- "greenWave" inverter technology for high energy efficiency and perfect control over all welding phases
- Heavy duty and environmental conditions, high service life
- 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 multiple 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)
- Easy joining
- Manual restart or downslope stop functions
- 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
- Current socket (panel) 50/70 mm²
- Digital TIG torch compatible
- Remote control compatible
- WU cooling unit compatible
- Controlled cooling operations

Power source

			P	X%	P.F.	I₂	U₀	IP	mm_{l x w x h}	△Kg	
URANOS 2200 TLH	1x230V TIG	16A	4,8kVA 4,8kW	40°C 35%	0,99	3-220A	65V	23S	500x190x400mm	14,3kg	
				40°C 60%							190A
				40°C 100%							165A
				25°C 80%							220A
				25°C 100%							210A
	1x230V MMA	16A	5,7kVA 5,7kW	40°C 40%	0,99	3-180A	65V	23S	500x190x400mm	14,3kg	
				40°C 60%							165A
				40°C 100%							140A
				25°C 90%							180A
				25°C 100%							170A
	1x115V TIG	20A	3,1kVA 3,0kW	40°C 40%	0,99	3-160A	65V	23S	500x190x400mm	14,3kg	
				40°C 60%							145A
				40°C 100%							120A
				25°C 100%							160A
	1x115V MMA	20A	3,2kVA 3,1kW	40°C 60%	0,99	3-110A	65V	23S	500x190x400mm	14,3kg	
				40°C 100%							100A
25°C 100%				110A							
25°C 100%				110A							

Cooling unit

		P		IP	mm_{l x w x h}	△Kg
WU 1000	48Vdc	0,6kW	2,0l	23S	480x190x180mm	8,8 kg

