



Welding process

- MMA (Electrode)
- TIG DC Lift and HF start
- TIG AC
- TIG MIX AC/DC

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
- 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
- Pipeline construction



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 field bus 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
- Back-up/Restore automatic
- User-defined welding program storage capability (240 free memory locations)
- 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, anti-sticking)
- 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
- 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	U_o	IP	 mm l x w x h	 Kg
URANOS NX 1700 AC/DC	1x230V TIG	16A	5,0kVA 5,0kW	40°C 35% 170A 40°C 60% 150A 40°C 100% 130A 25°C 100% 170A	1,00	3-170A	80V	23S	500x190x400mm	18,8kg
	1x230V MMA	16A	5,0kVA 5,0kW	40°C 35% 150A 40°C 60% 120A 40°C 100% 90A 25°C 100% 150A	1,00	3-150A	80V	23S	500x190x400mm	18,8kg
	1x115V TIG	25A	5,0kVA 5,0kW	40°C 35% 150A 40°C 60% 130A 40°C 100% 110A 25°C 100% 150A	1,00	3-150A	80V	23S	500x190x400mm	18,8kg
	1x115V MMA	25A	5,0kVA 5,0kW	40°C 35% 120A 40°C 60% 100A 40°C 100% 80A 25°C 100% 120A	1,00	3-120A	80V	23S	500x190x400mm	18,8kg
URANOS NX 2200 AC/DC	1x230V TIG	20A	6,4kVA 6,4kW	40°C 35% 220A 40°C 60% 170A 40°C 100% 150A 25°C 60% 220A 25°C 100% 180A	1,00	3-220A	80V	23S	500x190x400mm	18,8kg
	1x230V MMA	20A	6,4kVA 6,4kW	40°C 35% 180A 40°C 60% 150A 40°C 100% 130A 25°C 60% 180A 25°C 100% 160A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg
	1x115V TIG	30A	6,4kVA 6,4kW	40°C 35% 180A 40°C 60% 140A 40°C 100% 130A 25°C 100% 180A	1,00	3-180A	80V	23S	500x190x400mm	18,8kg
	1x115V MMA	30A	6,4kVA 6,4kW	40°C 35% 130A 40°C 60% 110A 40°C 100% 90A 25°C 100% 130A	1,00	3-130A	80V	23S	500x190x400mm	18,8kg

Cooling unit

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

CONFIGURATIONS

URANOS NX 1700 AC/DC - TIG welding configuration - Gas		AC
55.08.049	URANOS NX 1700AC/DC 1x115-1x230V LCD3.5"	A
81.32.158	ST 2200 U/D TIG WELDING TORCH - 4m - AIR COOLED	A
71.05.011	WORK CABLE - 25mm ² - L.4m - PLUG 50mm ²	A
URANOS NX 2200 AC/DC - TIG welding configuration - Gas		AC
55.08.050	URANOS NX 2200AC/DC 1x115-1x230V LCD3.5"	A
81.32.158	ST 2200 U/D TIG WELDING TORCH - 4m - AIR COOLED	A
71.05.012	WORK CABLE - 35mm ² - L.4m	A
URANOS NX 2200 AC/DC - TIG welding configuration - Water		AC
55.08.050	URANOS NX 2200AC/DC 1x115-1x230V LCD3.5"	A
71.03.075	COOLING UNIT WU1000	A
81.32.558	ST 3000 U/D TIG WELDING TORCH - 4m - LIQUID COOLED	A
71.05.012	WORK CABLE - 35mm ² - L.4m	A