



Welding process

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

Materials

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



Applications






- Light job shop fabrication
- Medium-heavy job shop fabrication
- Heavy job shop fabrication
- Boiler and tank construction
- Building sites
- Shipyards
- Plants machinery construction
- 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
- High power at 100% of duty cycle
- 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
- High temperature, shockproof, abrasion resistant plastic case
- Airflow 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)
- 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
- 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 multiple types of popular electrodes
- Built-in adjustable arc control features (hot start, arc force, antisticking)
- Synergic setting for optimal stick welding with multiple types of electrodes
- Precise arc striking and high stability arc (fuzzy logic)
- 2/4 step operating mode
- Bi-Level operating mode
- Pulsed and fast pulsed operating mode (2500Hz)
- Easy joining
- Manual restart or downslope stop functions
- AC waveform selection (Square, Triangle, Sinusoidal, Mixed)
- AC frequency adjustment (200Hz)
- Electrode tip rounding controlled by easy rounding functionality
- "Extra energy" setting for deeper penetration
- Current socket (panel) 50/70 mm²
- Digital TIG torch compatible
- Smart slope control
- 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 4000 AC/DC	3x400VTIG	25A	14,0kVA 13,3kW	40°C 40% 400A 40°C 60% 360A 40°C 100% 330A 25°C 80% 400A 25°C 100% 370A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x400V MMA	25A	18,4kVA 17,5kW	40°C 40% 400A 40°C 60% 360A 40°C 100% 330A 25°C 80% 400A 25°C 100% 370A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x230VTIG	40A	13,8kVA 13,2kW	40°C 40% 400A 40°C 60% 340A 40°C 100% 310A 25°C 65% 400A 25°C 100% 350A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x230V MMA	40A	13,3kVA 12,8kW	40°C 80% 320A 40°C 100% 300A 25°C 100% 320A	0,95	3-320A	73V	23S	690x290x510mm	35,4kg
URANOS NX 5000 AC/DC	3x400VTIG	30A	19,4kVA 18,4kW	40°C 35% 500A 40°C 60% 450A 40°C 100% 400A 25°C 70% 500A 25°C 100% 430A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x400V MMA	30A	24,6kVA 23,6kW	40°C 35% 500A 40°C 60% 440A 40°C 100% 390A 25°C 70% 500A 25°C 100% 420A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x230VTIG	40A	19,8kVA 18,9kW	40°C 35% 500A 40°C 60% 440A 40°C 100% 390A 25°C 60% 500A 25°C 100% 420A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x230V MMA	40A	18,3kVA 17,5kW	40°C 60% 400A 40°C 100% 360A 25°C 100% 400A	0,95	3-400A	73V	23S	690x290x510mm	37,3kg

Cooling unit

		P		IP	 mm l x w x h	 Kg
WU 3000	360 Vdc	1,4kW	5,5l	23S	705x305x250mm	13,0kg

CONFIGURATIONS

URANOS NX 4000 AC/DC - LCD 3,5" - TIG welding configuration - Water

AC

55.08.055	URANOS NX 4000AC/DC 3x230-3x400V LCD 3,5"	A
71.03.077	COOLING UNIT WU 3000	A
71.03.081	POWER SOURCE TROLLEY GT 500	A
81.32.659	ST 4500 U/D TIG WELDING TORCH - 4m - LIQUID COOLED	B
71.05.014	WORK CABLE - 70mm ² - L.4m	A

URANOS NX 5000 AC/DC - LCD 3,5" - TIG welding configuration -

AC

55.08.047	Water URANOS NX 5000AC/DC 3x230-3x400V LCD 3,5"	A
71.03.077	COOLING UNIT WU 3000	A
71.03.081	POWER SOURCE TROLLEY GT 500	A
81.32.659	ST 4500 U/D TIG WELDING TORCH - 4m - LIQUID COOLED	B
71.05.014	WORK CABLE - 70mm ² - L.4m	A