

Welding process

- MMA (Electrode)
- Air Carbon Arc gouging
- TIG DC Lift and HF start

Materials

- Carbon steels
- Stainless steels
- Duplex steels
- 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
- Plants machinery construction
- Oil refinery plants construction
- Automobile industry
- Cycle industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Pipeline construction
- Workshops








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
- 2/4 step operating mode
- Bi-Level operating mode
- Pulsed and fast pulsed operating mode (2500Hz)
- Easy joining
- Manual restart or down slope stop functions
- Forgiving arc for a low noise welding operations
- 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	U₀	IP	 mm l x w x h	 Kg
URANOS NX 4000 TLH	3x400VTIG	25A	12,6kVA 12,1kW	40°C 60% 400A 40°C 100% 360A 25°C 100% 400A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x400V MMA	25A	16,9kVA 16,1kW	40°C 60% 400A 40°C 100% 360A 25°C 100% 400A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x230VTIG	35A	13,0kVA 12,4kW	40°C 60% 400A 40°C 100% 360A 25°C 100% 400A	0,95	3-400A	73V	23S	690x290x510mm	35,4kg
	3x230V MMA	35A	13,0kVA 12,4kW	40°C 100% 320A 25°C 100% 320A	0,95	3-320A	73V	23S	690x290x510mm	35,4kg
URANOS NX 5000 TLH	3x400VTIG	30A	18,2kVA 17,4kW	40°C 50% 500A 40°C 60% 470A 40°C 100% 420A 25°C 80% 500A 25°C 100% 470A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x400V MMA	30A	23,6kVA 22,5kW	40°C 50% 500A 40°C 60% 470A 40°C 100% 420A 25°C 80% 500A 25°C 100% 470A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x230VTIG	45A	18,9kVA 18,0kW	40°C 50% 500A 40°C 60% 470A 40°C 100% 420A 25°C 80% 500A 25°C 100% 460A	0,95	3-500A	73V	23S	690x290x510mm	37,3kg
	3x230V MMA	45A	17,4kVA 16,5kW	40°C 100% 400A 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	360Vdc	1,4kW	5,5l	23S	705x305x250mm	13,0 kg

CONFIGURATIONS

URANOS NX 4000 TLH - LCD 3,5" - TIG welding configuration - Water

AC

55.07.046	URANOS NX 4000TLH 3x230-3x400V LCD3.5"	A
71.03.077	COOLING UNIT WU 3000	A
71.03.081	POWER SOURCE TROLLEY GT 500	A
81.32.258	ST 4000 U/D TIG WELDINGTORCH - 4m - LIQUID COOLED	A
71.05.014	WORK CABLE - 70mm ² - L.4m	A

URANOS NX 5000 TLH - LCD 3,5" - TIG welding configuration - Water

AC

55.07.048	URANOS NX 5000TLH 3x230-3x400V LCD3.5"	A
71.03.077	COOLING UNIT WU 3000	A
71.03.081	POWER SOURCE TROLLEY GT 500	A
81.32.258	ST 4000 U/D TIG WELDINGTORCH - 4m - LIQUID COOLED	A
71.05.014	WORK CABLE - 70mm ² - L.4m	A