

Welding process

- MMA (Electrode)
- TIG DC Lift and HF start
- MIG/MAG short spray manual arc
- MIG/MAG short spray pulsed
- MIG/MAG short spray synergic arc
- MIG/MAG pulsed synergic
- MIG/MAG double pulsed synergic
- MIG/MAG brazing

Materials

- Carbon steels
- Aluminized and galvanized steels
- Stainless steels
- Aluminum and aluminum alloys
- Copper and copper alloys

Applications

- Light job shop fabrication
- Buildings sites
- Shipyards
- Plant machinery construction
- Automobile industry
- Railway industry
- Food industry
- Chemical industry
- Repair and overhaul
- Workshops
- Sheet metal working



Technical features

- "greenWave" inverter technology for high energy efficiency and perfect control overall 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
- 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)
- Built-in wirefeeder unit (2/4 roll drives)
- Wire drive unit fully designed by voestalpine Böhler Welding
- Ø 200/300 mm wire spool compatible
- Welding polarity switch device
- 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
- 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
- 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
- Up/Down torch compatible (welding current adjustment)
- Digital TIG torch compatible
- Smart slope control
- Euro adaptor - U/D MIG/MAG torch compatible
- Digital MIG/MAG torch compatible
- Push-pull torch device
- 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 2700 MTE	3x400V MIG/MAG	16A	9,1kVA 8,5kW	40°C 45% 40°C 60% 40°C 100% 25°C 100%	270A 250A 230A 270A	0,94	3-270A	92V	23S	620x270x460	25,0kg	
	3x400V TIG	10A	7,1kVA 6,6kW	40°C 50% 40°C 60% 40°C 100% 25°C 80% 25°C 100%	270A 260A 240A 270A 260A	0,94	3-270A	92V	23S	620x270x460	25,0kg	
	3x400V MMA	16A	10,0kVA 9,5kW	40°C 40% 40°C 60% 40°C 100% 25°C 100%	270A 250A 230A 270A	0,94	3-270A	65V	23S	620x270x460	25,0kg	
	3x230V MIG/MAG	20A	9,1kVA 8,7kW	40°C 35% 40°C 60% 40°C 100% 25°C 70% 25°C 100%	270A 230A 210A 270A 240A	0,96	3-270A	92V	23S	620x270x460	25,0kg	
	3x230V TIG	16A	7,0kVA 6,7kW	40°C 40% 40°C 60% 40°C 100% 25°C 80% 25°C 100%	270A 250A 230A 270A 250A	0,96	3-270A	92V	23S	620x270x460	25,0kg	
	3x230V MMA	20A	10,1kVA 9,7kW	40°C 30% 40°C 60% 40°C 100% 25°C 70% 25°C 100%	270A 230A 210A 270A 240A	0,96	3-270A	65V	23S	620x270x460	25,0kg	

Wirefeeder

	P	ϕ (m/min)	mm		\emptyset mm	ϕ					IP	mm l x w x h	kg
URANOS 2700 MTE SL 4R-2T (v.2R)	120W	0,5-22,0m/min	200/300mm	2 ● 4 ○	1,0/1,2mm ● 0,6-1,2mm ○ A 0,8-1,2mm ○ Z 0,9-1,6mm ○	●	●	○	-	/	/	167x43x140mm	1,2kg

● = Included

○ = Optional

A = Aluminum

Z = Cored

Cooling unit

		P		IP	mm l x w x h	kg
WU 230	1x400 Vac	1,0 kW	3,0l	23S	660x240x220mm	12,0 kg
WU 232	1x230/400 Vac	1,0 kW	3,0l	23S	660x240x220mm	13,4 kg

CONFIGURATIONS

URANOS 2700 MTE - LCD 3,5" - MIG/MAG welding configuration - Gas

AC

55.06.005	URANOS 2700 MTE 3x230V 3x400V	A
07.01.502	UPGRADE KIT FROM 2 ROLLS DRIVE TO 4 ROLLS DRIVE - 1.0/1.2	A
81.05.038	MT 350 G U/D MIG/MAG WELDING TORCH - 4m - AIR COOLED	B
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 2700 MTE - LCD 3,5" - MIG/MAG welding configuration - Water

AC

55.06.005	URANOS 2700 MTE 3x230V 3x400V	A
07.01.502	UPGRADE KIT FROM 2 ROLLS DRIVE TO 4 ROLLS DRIVE - 1.0/1.2	A
71.03.073	COOLING UNIT WU 230 - URANOS	A
81.05.040	MT 440 W U/D MIG/MAG WELDING TORCH - 4m - LIQUID COOLED	B
81.32.558	ST 3000 U/D TIG WELDING TORCH - 4m - LIQUID COOLED	A
71.05.012	WORK CABLE - 35mm ² - L.4m	A