

## Welding process

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

## Materials

- Carbon steels
- Aluminized and galvanized steels
- Hardfacing
- Stainless steels
- Duplex steels
- Superduplex steel
- Special steel
- Aluminum and aluminum alloys
- Copper and copper alloys
- Nickel and nickel alloys
- Special materials

## Applications






- Light job shop fabrication
- Medium-heavy job shop fabrication
- Buildings sites
- Shipyards
- Plants machinery construction
- Oil refinery plants construction
- Machine and apparatus construction
- Automobile industry
- Railway industry
- Nuclear industry
- Military industry
- Aeronautics and Aerospace industry
- Food industry
- Chemical industry
- Repair and overhaul
- Repair and overhaul
- Workshops
- Sheet metal working












## 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)
- Wire feeder unit (2/4 roll drives)
- Wire drive unit fully designed by voestalpine Böhler Welding
- Full parameters control panel on wire feeder unit
- Ø 200/300 mm wire spool compatible
- 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
- Arc dynamic adjustment
- Perfect arc ignition (soft start - motor slope)
- Burn-back and droplet detachment correction
- Crater filler operating mode
- Synergic operations from databank
- Synergic operations from databank (DEMO)
- Wire speed (0,5-22,0 m/min), amperage and piece thickness adjustment
- Spot welding mode
- Intermittent welding mode
- Bilevel MIG/MAG
- Digital TIG torch compatible
- Smart slope control
- Digital MIG/MAG torch compatible
- Euro adaptor - U/D MIG/MAG torch compatible
- Push-pull torch device
- Remote control compatible
- WU cooling unit compatible
- Controlled cooling operations

Power source






			<b>P</b>	<b>X%</b>	<b>P.F.</b>	<b>I<sub>2</sub></b>	<b>U<sub>0</sub></b>	<b>IP</b>	 mm l x w x h	 Kg
<b>URANOS NX 3200 GSM</b>	3x400V MIG/MAG	20A	13,0kVA 12,4kW	40°C 50% 320A 40°C 60% 310A 40°C 100% 250A 25°C 70% 320A 25°C 100% 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x400V TIG	20A	13,0kVA 12,4kW	40°C 60% 320A 40°C 100% 270A 25°C 70% 320A 25°C 100% 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x400V MMA	20A	13,0kVA 12,4kW	40°C 50% 320A 40°C 60% 300A 40°C 100% 250A 25°C 60% 320A 25°C 100% 270A	0,95	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V MIG/MAG	30A	13,3kVA 12,8kW	40°C 35% 320A 40°C 60% 280A 40°C 100% 230A 25°C 60% 320A 25°C 100% 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V TIG	30A	13,3kVA 12,8kW	40°C 45% 320A 40°C 60% 300A 40°C 100% 250A 25°C 70% 320A 25°C 100% 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg
	3x230V MMA	30A	13,3kVA 12,8kW	40°C 35% 320A 40°C 60% 270A 40°C 100% 230A 25°C 60% 320A 25°C 100% 270A	0,96	3-320A	75V	23S	620x240x460mm	27,6kg

Wire feeder unit

	<b>P</b>	$\phi$ (m/min)	 mm		$\emptyset$ mm	$\phi$					<b>IP</b>	 mm l x w x h	 Kg
<b>WF NX 2000 CLASSIC</b> SL 2R-2T	120W	0,5-22,0m/min	200mm	2 ●	1,0/1,2mm ● 0,6-1,6mm ○ A0,8-1,6mm ○ Z0,9-2,4mm ○	●	●	-	-	23S	470x170x430mm	8,8kg	
<b>WF NX 3000 CLASSIC</b> SL 4R-4T	120W	0,5-22,0m/min	200/300mm	4 ●	1,0/1,2mm ● 0,6-1,6mm ○ A0,8-1,6mm ○ Z0,9-2,4mm ○	●	●	○	○	23S	660x280x390mm	13,0kg	
<b>WF NX 3000 SMART</b> SL 4R-4T	120W	0,5-22,0m/min	200/300mm	4 ●	1,0/1,2mm ● 0,6-1,6mm ○ A0,8-1,6mm ○ Z0,9-2,4mm ○	●	●	○	○	23S	660x280x390mm	13,0kg	
<b>WF NX 4000 CLASSIC</b> SL 4R-4T	120W	0,5-22,0m/min	200/300mm	4 ●	1,0/1,2mm ● 0,6-1,6mm ○ A0,8-1,6mm ○ Z0,9-2,4mm ○	●	●	○	○	23S	640x250x460mm	19,0kg	
<b>WF NX 4000 SMART</b> SL 4R-4T	120W	0,5-22,0m/min	200/300mm	4 ●	1,0/1,2mm ● 0,6-1,6mm ○ A0,8-1,6mm ○ Z0,9-2,4mm ○	●	●	○	○	23S	640x250x460mm	19,0kg	

● = Included ○ = Optional A = Aluminum Z = Cored

Cooling unit

		<b>P</b>		<b>IP</b>	 mm l x w x h	 Kg
<b>WU 2000</b>	360Vdc	1,0 kW	3,0l	23S	660x240x220mm	12,0 kg

