



# NOVASTAR SPEEDPULSE

## 300C - 300 E - 400 E - 500 E

The solution for all welding problems



The Multi-Process Powers Sources **NOVASTAR SPEEDPULSE** range represent the latest frontier in terms of technology and welding quality.

The last generation IGBT technology with the welding digital control provide exceptional performance and welding repeatability with all welding processes MIG/MAG - TIG - MMA.

Strong and esthetically harmonious the NOVASTAR SPEEDPULSE range will surprise you for all technological solutions that will make your workplace efficient, orderly and pleasant at the same time.

With a large capacity microprocessor NOVASTAR SPEEDPULSE is able to provide to the user a high numbers of pulsed programs from BRAZING programs and programs for Flux cored wires and Special Stel wires.

Available with separate wire feeder in 4 versions, 300 Amp. Compact - 300 - 400 - 500 Amperes separate wire feeder, they are supplied with a large LCD display with scrolling functions, digital instruments V / A, wire feed unit 4 rolls with capacity to drive large diameters and prepared for remote control. It is possible complete the Power Source with the Torch PUSH - PULL and ROBOT Interface.

The Power Sources NOVASTAR SPEEDPULSE are equipped with our new trolley TOTEM, with a storage compartment for the air-cooled version, or with cooling group for the version water cooled, with the new loading system for gas bottle with a double chain protection, torch support, a TIG rods holder and wheels with great diameter (front swivel with brake  $\varnothing$  125 mm and rear Fix  $\varnothing$  250 mm) for easier handling.

- **INVERTER** technology
- Energy saving
- Digital control of the welding arc
- Welding Repetability
- Perfect arc ignition
- Friendly use
- Easy handling
- Digital V/A instruments as standard
- Continuous inductance adjustment
- Special MIG/MAG – TIG functions
- Spot welding
- 99 memory position
- Gas Test
- Wire Feeder button
- Synergic / Pulse / Twin-Pulse MIG/MAG

### **EVO SPEED included**

- \* Growth in 25% of the welding speed.
- \* Lack of spatters and perfect arc control.
- \* Smooth welding and always without incisions.

### **EVO FORCE included**

- \* Great weld penetration obtained by a very intense arc.
- \* This procedure allows the costs reduction for the parts preparation.
- \* The welding geometry is regular without spatters.
- \* Minimum joint deformations.

### **EVO COLD included**

- \* Digital control of the material transfer to the piece.
- \* Cold welding suitable for the first pass and joints with space.

### **EVO PIPE Optional**

- \* Perfect for the pipes welding applications, this process summarizes the characteristics of EVO SPEED and EVO COLD.
- \* Perfect control of the drop and arc also in difficult and uncomfortable positions .

### **Applications**

Metal Industry in general  
Yards  
Constructions  
Petro-chemical industry  
Rail industry  
Military industry  
Food industry  
Automotive industry  
Earth moving industry  
Sheet-metal works



## Accessories

Torch cable 70 mm <sup>2</sup> 4 Mt	3.610.200
MIG / MAG torch AS.26 Mt.3 - Air	2.500.003
MIG / MAG torch AS.26 Mt.4 - Air	2.500.004
MIG / MAG torch AS.30 Mt.3 - Air	2.505.003
MIG / MAG torch AS.30 Mt.4 - Air	2.505.004
MIG / MAG torch WS.35 Mt.3 - Water	2.550.003
MIG / MAG torch WS.35 Mt.4 - Water	2.550.004
MIG / MAG torch WS.40 Mt.3 - Water	2.555.003

## OPTIONAL

MIG / MAG torch WS.40 Mt.4 - Water	2.555.004
MIG / MAG torch WS.50 Mt.3 - Water	2.560.003
MIG / MAG torch WS.50 Mt.4 - Water	2.560.004
SINCOTIG Mt.4 torch 17V - ( tap )	8.610.410
SINCOTIG Mt.8 torch 17V - ( tap )	8.610.810
SINCOTIG Mt.4 torch 26V - ( tap )	8.640.410
SINCOTIG Mt.8 torch 26V - ( tap )	8.640.810
Starfeed whells KIT 37-4	3.007.012
Remote Control RC 6 Mt. 15	X.050.043
Remote Control RC 6 Mt. 30	X.050.044
Remote Control RC 6 Mt. 50	X.050.045
Argon gaz reducer with 2 manometers	5.790.913

## Technical data

### 300C- E

### 400E

### 500E

Three-phases feeding	400 V	400 V	400 V
Fuse	16 A	20 A	32 A
Power max	8.7 KVA	11.3 KVA	16.8 KVA
Noises	< 70 dB	< 70 dB	< 70 dB
Max current	18 A	23.5 A	35 A
Duty cycle 100%	240 A	310 A	380 A
Duty cycle 60%	270 A	370 A	460 A
Duty cycle 50%	-	400 A	500 A
Duty cycle 40%	320 A	-	-
Open circuit voltage	63 V	63 V	70 V
Power factor	0.99	0.99	0.99
Welding current range	10 - 320 A	10 - 400 A	10 - 500 A
Conform to standards	EN 60974-1 - 5 - 10	EN 60974-1 - 5 - 10	EN 60974-1 - 5 - 10
Application Class	S	S	S
Insulation Class	F	F	F
Protection Class	IP23	IP23	IP23
Cooling	AF	AF	AF
Operating temperature	- 10 + 40 ° C	- 10 + 40 ° C	- 10 + 40 ° C
Wire diameters			
Steel	0.6 - 1.2 mm	0.6 - 1.2 mm	0.6 - 1.2 mm
Stainless steel	0.6 - 1.2 mm	0.6 - 1.2 mm	0.6 - 1.2 mm
Aluminium	1.0 - 1.2 mm	1.0 - 1.2 mm	1.0 - 1.2 mm
Weldable electrodes diameters	1.0 - 4.0 mm	1.0 - 4.0 mm	1.0 - 4.0 mm
Wire feed speed	0.6 - 25 Mt./min	0.6 - 25 Mt./min	0.6 - 25 Mt./min
Wire spool capacity	15 Kg	15 Kg	15 Kg
Dimensions, mm (L x l x H)	670 x 270 x 415	670 x 270 x 415	670 x 270 x 415
Weight , kg	39	43	47

## Item number

M.001.165	Power Source NOVASTAR 300 C SpeedPulse
M.001.158	Power Source NOVASTAR 300 E SpeedPulse
M.001.159	Power Source NOVASTAR 400 E SpeedPulse
M.001.160	Power Source NOVASTAR 500 E SpeedPulse
K.003.022	TrolleyTotem Air
K.003.021	Trolley Totem water
A.002.127	Starfeed
3.017.163	Extension cable 50 mmq Mt.2 Air
3.017.164	Extension cable 50 mmq Mt.5 Air
3.017.165	Extension cable 50 mmq Mt.10 Air
3.017.166	Extension cable 50 mmq Mt.15 Air
3.017.175	Extension cable 70 mmq Mt.2 H2o
3.017.176	Extension cable 70 mmq Mt.5 H2o
3.017.177	Extension cable 70 mmq Mt.10 H2o
3.017.178	Extension cable 70 mmq Mt.15 H2o



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