Advanced Welding & Cutting Solutions

General Catalogue 2013

COMPANY INTRODUCTION

Maurizio Terzo founded Ter Welding Srl. in 2007.
Maurizio has over thirty years of experience in the design and manufacture of welding equipment boasting some of the most advanced systems in the world. Assisted by a group of technicians of the highest quality and the same proven record of accomplishment in the industry, he decided to create this new industrial reality.
The company's headquarters is in Vicenza, an area associated with specialised development within the welding industry. Maurizio is famous worldwide for his historic approach to research and development in the field of welding technology.
In recent years, the European welding industry has entered a phase of rapid evolution. The market requires high specification machinery at a competitive price. With the world market unstable, European welding manufacturers witnessed a fall in output and increased costs. Competition form Imported machinery was making it impossible to produce good quality welding products at an affordable cost in a market driven by price. The dominant brands within the sector gave more focus to the "High Tech" market, an area with which there background knowledge was unquestionable, however build costs were high and the products remained uncompetitive.
With all of these criteria, an alternative approach to production was needed aimed at containing costs and producing equipment that would be competitive. This led TER to review its position. In 2008, TER created a company in China, a joint venture with Riland Co LTD. Riland is one of the largest manufacturers of welding inverters in China with around 1,000,000 inverters manufactured per year. The new company is an acronym the names of two companies that created it: TER and Riland.

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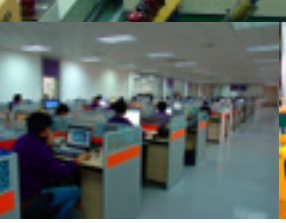
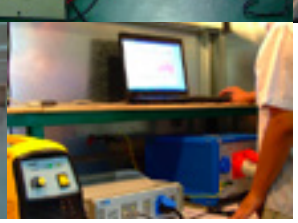




T&R's idea was to produce a range of industrial welding equipment suitable for the European market. To achieve this, knowledge from both companies was required, the technical ability of Ter and the production expertise of Riland. The projects are developed in Italy by the technical staff of TER and assembled in China.

T&R have invested heavily in the area of research and development, creating a department of over 120 technicians specialising in the following sectors: Electronics, Software, Mechanics, Welding processes. In recent years, the experience of the TER technicians has seen the development of an operating system in the latest technology of microprocessors source of free type ARM. Thanks to this new operating system, it was possible to develop digital technology that produces accurate and responsive controls for the new multifunctional inverter range. Based on this technology, TER have developed a

range of equipment alternative to that offered by the most renowned manufacturers in the world. Our brand new range of equipment is original in its choice of flexibility and complete multi operation welding processes, and a system of original and innovative operator interface.

The product range mainly dedicated to the high tech market, a more comprehensive range was needed to compete in the lower technical market. To complete the range, T&R has added a more conventional range of inverters to its portfolio. These new inverters have the same dedicated approach to quality as the more high tech range already offered.

TER have developed a new inverter process based on conversion technologies using an inverter designed and patented by TER. With this patent it is possible to operate the IGBT module at higher working frequencies and this allows us to produce a robust IGBT inverter with high frequency performance, but typical of inverters based on older MOSFET technology.

Our research in all fields, and the constant attention to all the new market technology, has driven us to make innovations that have also revolutionised the magnetic component of the inverter. Our latest transformers with the magnetic part consisting of polycrystalline core (amorphous new technology), are evidence of this.

These innovations allow us to build machines with robust and reliable inverter power.


O.C
VRD
ON
OFF
200
CURRENT METER
MMA 400G
IGBT DC INVERTER
0
10
HOT START
RILAND


ter welding
TBP
RILAND
Mma Arc Inverters
Welding Focused Technology
CURRENT
400
10
RC FORCE

SMART WELDER 160 - SMART WELDER 200

DESCRIPTION

Inverter power source for welding applications, with MMA (Stick) welding process.
Flexibility of use with a wide range of electrodes.
More compact, lighter and easy to carry, The Smart Welder is the perfect welding machine for your MMA applications.
Produced in two different models:
Smart Welder MMA160
Smart Welder MMA 200
For your own safety, the Smart Welder MMA range welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 15 V.

MAIN FEATURES

The best quality-price ratio
Equipped with VRD system for your safety.
Simple and easy.
With over-loading and over-heating protection.
Smaller, lighter and portable, with adjustable shoulder strap, this equipment is protected by a solid metal casing.
Supplied complete with MMA (STICK) Welding Torch, Earth Cable and clamp.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	SMART WELDER MMA160	SMART WELDER MMA 200
CODE	V0313AA	V0314AA
POWER SUPPLY	230V 1PH 50/60 HZ	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T20A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	28A	34A
EFFECTIVE INPUT CURRENT (I1 EFF.)	13,6A	16A
RATED POWER (MMA (STICK)) KVA	6,4KVA	7,8KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3,1KVA	3,7KVA
	MMA (STICK)	
REGULATION FIELD IN MMA (STICK) MODE	20-160A	20-200A
RATED SECONDARY CURRENT (40°C)	160A (ED=20%)	200A (ED=20%)
PERMANENT SECONDARY CURRENT 100%	80A	100A
NO LOAD VOLTAGE (VRD)	VRD OFF 92V	VRD OFF 63V
	VRD ON 18V	VRD ON 18V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21	IP21
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
CABLE SET FOR MMA (STICK) WELDING	INCLUDED	INCLUDED
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	120X200X280	120X200X320
WEIGHT (KG)	3,5KG	4,5KG

T&R E-140 - T&R E-160

DESCRIPTION

Welding inverter power source, power supply 230Vac single phase, welding process with coated electrode and TIG DC Lift Arc.
For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V.

MAIN FEATURES

Equipped with VRD system for your safety.
Dual function: Lift TIG and MMA (Stick).
With over-loading and over-heating protection.
Smaller, lighter and portable, this equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	T&R E 140	T&R E 160
CODE	V0038AA	V0039AA
POWER SUPPLY (+15% / -15%)	230V 1PH 50/60HZ	230V 1PH 50/60HZ
FUSES (TIME DELAY)	T16A	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	23A	6.2A
EFFECTIVE INPUT CURRENT (I1 EFF.)	13.5A	15.2A
RATED POWER (MMA (STICK)) KVA	5.3KVA (ED40%)	6KVA (ED40%)
PERMANENT POWER 100% (MMA (STICK)) KVA	3.1KVA	3.5KVA
	TIG	
REGULATION FIELD IN TIG MODE (A)	5A - 140A	5A - 160A
RATED SECONDARY CURRENT (40°C)	140A (40%ED)	160A (40%ED)
PERMANENT SECONDARY CURRENT 100% (A)	110A	130A
NO LOAD VOLTAGE	65V	65V
	MMA (STICK)	
REGULATION FIELD IN STICK MODE (A)	20A - 140A	20A - 160A
RATED SECONDARY CURRENT (40°C)	140A (40%ED)	160A (40%ED)
PERMANENT SECONDARY CURRENT 100% (A)	90A	100A
NO LOAD VOLTAGE	VRD OFF 65V	VRD OFF 65V
	VRD ON 25V	VRD ON 25V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
TIG IGNITION	LIFT ARC	LIFT ARC
WIDTH-HEIGHT-LENGTH (MM)	145X275X335	145X275X335
WEIGHT (KG)	6.9KG	6.9KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0262AA	TIG TORCH 17V / 4m

RILAND MMA 140GDM - RILAND MMA 160GDM - RILAND MMA 200GDM

DESCRIPTION

Inverter power source for professional welding applications, with MMA (Stick) welding process and TIG Lift Arc welding process.
Flexibility of use with a wide range of electrodes: basic, rutile, cellulosic, cast iron end stainless steel.
The machines are single board digital control with 32 bit high speed microprocessors fitted to enable precise control of the cycle and of the welding arc.
More compact, lighter and easy to carry, The Riland MMA GDM is the perfect welding machine for your MMA applications .
Produced in three different models:
Riland MMA 140 GDM
Riland MMA 160 GDM
Riland MMA 200 GDM
For your own safety, the GDM range welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V.

MAIN FEATURES

Excellent performance, can be used for welding with cellulosic electrodes.
Can also be used with power motor generator stabilized.
Equipped with VRD system for your safety.
Simple and easy, with digital display of preset and dual function MMA (Stick) and Tig Lift arc.
Simple and easy, with Multi-functional control knob.
Dual function: Lift TIG and MMA (Stick).
Data storage capabilities. Three seconds after stopping welding, the welding current parameter will be saved automatically.
With Lift TIG and up-slope, reduce the consumption of the tungsten rod.
With over-loading and over-heating protection.
Smaller, lighter and portable, this equipment is protected by a solid metal casing.
Supplied complete with MMA (STICK) Welding Torch, Earth Cable and clamp.

TECHNICAL DATA	DESCRIPTION		
DESCRIPTION	RILAND MMA140GDM	RILAND MMA160GDM	RILAND MMA200GDM
CODE	V0283AA	V0284AA	V0285AA
POWER SUPPLY	230V 1PH 50/60 HZ	230V 1PH 50/60 HZ	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A	T20A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	28A	32A	37A
EFFECTIVE INPUT CURRENT (I1 EFF.)	16,5A	16,5A	23,2A
RATED POWER (MMA (STICK)) KVA	6,4KVA	7,3KVA	8,5KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3,8KVA	3,8KVA	5,3KVA
		TIG	
REGULATION FIELD IN TIG MODE (A)	20-120A	20-160A	20-200A
RATED SECONDARY CURRENT (40°C)	140A (ED=35%)	160A (ED=25%)	200A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	100A	100A	140A
NO LOAD VOLTAGE	64V	64V	15V
		MMA (STICK)	
REGULATION FIELD IN MMA (STICK) MODE	40-120	40-160A	40-200A
RATED SECONDARY CURRENT (40°C)	140A (ED=25%)	160A (ED=20%)	200A (ED=25%)
PERMANENT SECONDARY CURRENT 100%	90A	90A	120A
NO LOAD VOLTAGE	VRD OFF 64V VRD ON 25V	VRD OFF 64V VRD ON 25V	VRD OFF 58V VRD ON 25V
OVERLOAD PROTECTION	THERMAL	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S	IP21S
INSULATION CLASS	H	H	H
HOT START	YES	YES	YES
ANTI STICKING	YES	YES	YES
ARC FORCE	YES	YES	YES
TIG IGNITION	LIFT ARC	LIFT ARC	LIFT ARC
CABLE SET FOR MMA (STICK) WELDING	INCLUDED	INCLUDED	INCLUDED
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	135X236X290	135X236X290	315X145X250
WEIGHT (KG)	4,8KG	4,8KG	6KG

OPTIONAL

CODE	DESCRIPTION
Z0262AA	TIG TORCH 17V / 4m

ARC 160 PFC

DESCRIPTION

Inverter power source for professional welding applications, with MMA (Stick) welding process and TIG Lift Arc welding process. Light but with excellent welding performance, is equipped with modern PFC system for the optimization of energy consumption.
Flexibility of use with a wide range of electrodes: basic, rutile, cellulosic, cast iron end stainless steel.
The machines within the single PC Board structure, debugging to debug the machine adaptive data matching, simplify the production process and improve product consistency.
More compact, more light and easy to carry, Arc 160 PFC is the welding machine perfect for your industry.

MAIN FEATURES

Excellent performance, can be used for welding with cellulosic electrodes.
Suitable for use with supply voltages from 95V to 265V (PFC internal).
Can also be used with motor generator and / or with very long power supply cable.
Simple and easy, with digital display of preset and dual function MMA (Stick) and Tig Lift arc.
Very high efficiency greater than 0.95, thanks to the internal PFC allows a drastic reduction of power consumption, can also be used on home networks.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	ARC 160 PFC	
CODE	V0286AA	
POWER SUPPLY	110V 1PH 50/60HZ	230V 3PH 50/60HZ
FUSES (TIME DELAY)	T20A	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	28A	22A
EFFECTIVE INPUT CURRENT (I1 EFF.)	19A	15A
RATED POWER (MMA (STICK)) KVA	3KVA	5KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	2KVA	3,5KVA
TIG		
REGULATION FIELD IN TIG MODE (A)	5A - 110A	5A - 160A
RATED SECONDARY CURRENT (40°C)	110A (ED=50%)	160A (ED=25%)
PERMANENT SECONDARY CURRENT 100%	80A	80A
NO LOAD VOLTAGE	71V	71V
MMA (STICK)		
REGULATION FIELD IN STICK MODE	20A - 110A	20A - 160A
RATED SECONDARY CURRENT (40°C)	110A (ED=20%)	160A (ED=20%)
PERMANENT SECONDARY CURRENT 100%	50A	75A
NO LOAD VOLTAGE	71V	71V
OVERLOAD PROTECTION	THERMAL	
PROTECTION CLASS	IP23S	
INSULATION CLASS	H	
TIG IGNITION	LIFT ARC	
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	145X340X252	
WEIGHT (KG)	7,2KG	

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0262AA	TIG TORCH 17V / 4m

T&R E 200P

DESCRIPTION

Welding inverter power source, power supply 230Vac single phase, with MMA (Stick) welding process and TIG dc Scratch Arc welding process (For Tig welding, use only a special torch with gas valve).
Flexibility of use with a wide range of electrodes: basic, rutile, cast iron end stainless steel.
More compact, more light and easy to carry, T&R E 200P is the welding machine perfect for your industry.

MAIN FEATURES

Excellent performance.
Can also be used with power motor generator stabilized.
Simple and easy.
With over-heating protection.
Smaller, lighter and portable, this equipment is protected by a solid plastic casing.

TECHNICAL DATA	DESCRIPTION
MODEL	T&R E 200P
CODE	V0074AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	34A
EFFECTIVE INPUT CURRENT (I1 EFF.)	15A
RATED POWER (MMA (STICK)) KVA	7,8KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3,5KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	20-200A
RATED SECONDARY CURRENT (40°C)	200A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	125A
NO LOAD VOLTAGE	65V
	MMA (STICK)
REGULATION FIELD IN STICK MODE	20-200A
RATED SECONDARY CURRENT (40°C)	200A (ED=25%)
PERMANENT SECONDARY CURRENT 100	100A
NO LOAD VOLTAGE	65V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	SCRATCH ARC
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	194X310X450
WEIGHT (KG)	8KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0262AA	TIG TORCH 17V / 4m

RILAND ARC 250G - MMA 400G

DESCRIPTION

Inverter Power Source for MMA welding, 400Vac three-phase power supply for welding with coated electrodes.
On the front panel a digital instrument display shows the operator a reading of the actual welding current for precise amperage settings.
Hot Start and Arc Force are adjustable via two knobs on the front panel and the welding current s adjusted by one control knob.
For your own safety, the Riland Arc 250G and MMA 400G are equipped with the VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V.

MAIN FEATURES

Robust and easy to use.
Digital instrument for the welding current.
On the front panel knob to adjust the parameter Hot Start.
On the front panel knob to adjust the parameter Arc Force.
Equipped with VRD system for your safety.
This equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	RILAND ARC 250G	RILAND MMA 400G
CODE	V0298AA	V0290AA
POWER SUPPLY	400V 3PH 50/60 HZ	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A	T20A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	15,5A	27,7A
EFFECTIVE INPUT CURRENT (I1 EFF.)	10,3A	17,5A
RATED POWER (MMA) KVA	10,7KVA	19,1KVA
PERMANENT POWER 100% (MMA) KVA	7,1KVA	12,1KVA
	MMA	
REGULATION FIELD IN STICK MODE	20-220A	40-400A
RATED SECONDARY CURRENT (40°C)	250A (ED=60%)	400A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	194A	253A
NO LOAD VOLTAGE	65V	65V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21	IP21
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	455X202X372	515X262X468
WEIGHT (KG)	17,5KG	22KG

OPTIONAL

CODE	DESCRIPTION
Z0231AA	EARTH CABLE AND CLAMP 50mm2 / 3m WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50mm2 / 4m WITH PLUG 50
V0300AA	REMOTE CONTROL RC E400 20m

ARC 400IJ2

DESCRIPTION

An Inverter Power Source for MMA welding, with 400Vac three-phase power supply.
Robust and easy to use. The ARC 400IJ2 is fitted with a 4 wheel under carriage for easy transport practices in the workshop. The front panel houses a digital display which shows the actual welding current. Hot Start and Arc Force are adjustable via two knobs on the front panel. The welding output current is controlled by a single knob from 30-400 Amps.
A remote control socket is a standard feature allowing the operator to adjust the amperage away from the power source. For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V. This Power source is recommended for use with the Ter RWS Chopper Wire Feeder.

MAIN FEATURES

- Robust and easy to use.
- Digital instrument for the welding current.
- On the front panel knob to adjust the parameter Hot Start.
- On the front panel knob to adjust the parameter Arc Force.
- Equipped with VRD system for your safety.
- Equipped with four wheels to facilitate handling.
- Socket for connecting the remote control.
- This equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION
MODEL	ARC 400IJ2
CODE	V0092AA
POWER SUPPLY	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	26,2A
EFFECTIVE INPUT CURRENT (I1 EFF.)	20,2A
RATED POWER (MMA (STICK)) KVA	8,2KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	14,0KVA
	MMA (STICK)
REGULATION FIELD IN MMA (STICK) MODE	30-400A
RATED SECONDARY CURRENT (40°C)	400A (60%ED)
PERMANENT SECONDARY CURRENT 100%	310A
NO LOAD VOLTAGE	VRD OFF 77V - VRD ON 15V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
REMOTE CONTROL RECEPTACLE	YES (ANALOG)
REMOTE CONTROL	OPTIONAL (ANALOG)
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	295 X 550 X 630
WEIGHT (KG)	35KG

OPTIONAL

CODE	DESCRIPTION
Z0231AA	EARTH CABLE AND CLAMP 50mm2 / 3m WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50mm2 / 4m WITH PLUG 50
V0300AA	REMOTE CONTROL RC E400 20m


MIG 300GN
2T
4T
A
m/min
V
0
10
ARC TRAIT
CRATER
ARC CURRENT
VOLTAGE


ter welding
TRP
RILAND
Mig + Mag Inverters
Welding Focused Technology

RILAND MIG 175GD

DESCRIPTION

A single phase Multi Function MIG, TIG and MMA Inverter. Portable and versatile with synergic functions
Perfect welding in low and medium thickness materials including Stainless Steel, Mild Steel, CuSi3, SST, Al Al Si12 MG5.
For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V.
The 175 GD is equipped with a Euro style socket for the connection of the MIG torch.
The wire feedere can accommodate 200mm spools, and allows Gasless Welding by means of the revers switch.

MAIN FEATURES

Simple and easy, with digital display of preset and triple welding process MIG, MMA (Stick) and Tig Lift arc.
Arc stability and control.
Full digital Synergic control of cycle.
Equipped with VRD system for your safety.
Equipped with digital instrument.
Equipped with reverse polarity for special wire Gasless Welding.
The MMA (Stick) welding process is equipped with the functions Hot Start, Arc force and Anti Sticking.
With over-loading and over-heating protection.
Smaller, lighter and portable, this equipment is protected by a solid metal casing.
Supplied complete with Mig Welding Torch, Tig Welding Torch 17V, MMA (STICK) Welding Torch, Earth Cable and clamp.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	RILAND MIG 175GD
CODE	V0287AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T20A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	28A
EFFECTIVE INPUT CURRENT (I1 EFF.)	20A
RATED POWER (MMA) KVA	6,4KVA
PERMANENT POWER 100% (MMA) KVA	4,6KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	10-175A
RATED SECONDARY CURRENT (40°C)	175A (35% ED)
PERMANENT SECONDARY CURRENT 100%	103A
NO LOAD VOLTAGE	56V
	MIG)
REGULATION FIELD IN MIG-MAG MODE	50-175A
RATED SECONDARY CURRENT (40°C)	175A (35% ED)
PERMANENT SECONDARY CURRENT 100%	103A
NO LOAD VOLTAGE	56V
	MMA
REGULATION FIELD IN STICK MODE	20-175A
RATED SECONDARY CURRENT (40°C)	175A (25% ED)
PERMANENT SECONDARY CURRENT 100%	87,5A
NO LOAD VOLTAGE	56V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP23S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	LIFT ARC
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	215X395X422
WEIGHT (KG)	12,8

RILAND MIG 300GN

DESCRIPTION

The Riland MIG 300GN is a 400Vac 3 Phase MIG/MAG/MMA Compact Inverter.
A simple and easy to use machine, with an operator friendly Digital Display Panel.
The MIG 300GN includes a Cylinder Carrier as standard. The wire feeder can accommodate both 200 and 300 mm spools, and allows Gasless Welding by means of the revers polarity switch.
The MMA mode has both Arc Force and Hot Start for professional Welding applications.
The300 NG is complete with the following equipment:
- Mig torch.
- Cable electrode holder.
- Earthing wire for an immediate application.
- Gas hose.

A compartment at the base of the machine enables the operator to store torches and accessories.

MAIN FEATURES

Possibility of choosing between Mig welding cycle 2T or 4T.
Possibility of choosing between Mig mode and MMA mode.
Knob to adjust the welding voltage.
Knob to adjust the welding current.
Knob to adjust the dynamics.
Digital display for the welding current and wire speed.
Digital display for welding voltage.
Pre-set parameters on a digital display.
Equipped with reverse polarity for special wire Gasless Welding.
The MMA (Stick) welding process is equipped with the functions Hot Start, Arc force and Anti Sticking.
With over-loading and over-heating protection.
Compact Desing with Gas Cylinder Trolley.
Equipped with compartment with door to stow welding torches and spare parts.
Supplied complete with Mig/Mag Welding Torch, MMA (STICK) Welding Torch, Earth Cable and clamp, Gas hose.

TECHNICAL DATA	DESCRIPTION
MODEL	RILAND MIG 300GN
CODE	V0288AA
POWER SUPPLY	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T20A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	18A
EFFECTIVE INPUT CURRENT (I1 EFF.)	10,6A
RATED POWER (MMA) KVA	12,5KVA
PERMANENT POWER 100% (MMA) KVA	7,4KVA
	MIG
REGULATION FIELD IN MIG-MAG MODE	50A-300A
RATED SECONDARY CURRENT (40°C)	300A (35% ED)
PERMANENT SECONDARY CURRENT 100%	250A
NO LOAD VOLTAGE	56V
	MMA
REGULATION FIELD IN MMA MODE	70A-300A
RATED SECONDARY CURRENT (40°C)	300A (20%ED)
PERMANENT SECONDARY CURRENT 100%	250A
NO LOAD VOLTAGE	56V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
REMOTE CONTROL RECEPTACLE	NOT SUPPLIED
GAS BOTTLE TROLLEY	BUILT IN
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	455X956X890
WEIGHT (KG)	60KG

TER 186 MIG PULS

DESCRIPTION

The TER 186 Mig Puls Multi Function Inverter 230Vac single phase is a small but powerful source. Compact with an integrated wire feeder it offers MIG/MAG Pulse, Pulsed TIG Lift Arc and MMA. The response to adjustment is immediate thanks to its extremely simple and intuitive front panel. The Digital control panel, simple and operator friendly allows Synergic or Manual programmes to be selected with ease. The internal wire feeder has a Two Wheel Drive System and can accommodate spools up to 200mm and can be used with gasless wires using the reverse polarity switch. The MMA functions includes Arc Force and Hot Start for professional welding. For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 15 V. An Advanced Lift Arc TIG welding system, developed to ensure non pollution of the tungsten tip at the start of the welding procedure is a feature of this machine. This small but powerful welding source, is equipped with our special PLC device (Power line controller), patented system able to optimize the absorbed power according to the working place (16A domestic or 25A industrial).
A simple to use, sturdy Inverter.

MAIN FEATURES

Simple and easy, with digital display of preset and triple welding process Mig/Mag, MMA (Stick) and Tig Lift arc.
Arc stability and control.
Full digital Synergic control of cycle.
Selecting Between manual set or synergistic Program, also in TIG and MMA welding mode.
Possibility, in Set manual, to change all the parameters of MIG/MAG - TIG – MMA (Stick) cycle.
Special program for spot welding.
Possibility of choosing between Mig welding cycle 2T or 4T.
Mig/Mag Pulsed arc.

MAIN FEATURES

TIG Lift Arc welding with or without Pulsed arc.
Predisposition for the connection of a Mig/Mag Spool Gun.
Equipped with VRD system for your safety.
The MMA (Stick) welding process is equipped with the functions Hot Start, Arc force and Anti Sticking.
Equipped with digital instrument.
Pre-set parameters on a digital display.
Equipped with reverse polarity for special wire Gasless Welding.
With over-loading and over-heating protection.
Equipped with our special PLC device (Power line controller).
Smaller, lighter and portable, this equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	TER 186 MIG PULS
CODE	V0012AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	32,5A
EFFECTIVE INPUT CURRENT (I1 EFF.)	PLC OFF=20,8 - PLC ON=16A
RATED POWER (MMA) KVA	7,5 KVA
PERMANENT POWER 100% (MMA) KVA	PLC OFF 4,8KVA - PLC ON 3,6KVA

TIG		
REGULATION FIELD IN TIG MODE (A)	5A-180A	
	PLC ON	PLC OFF
RATED SECONDARY CURRENT (40°C)		180A (60% ED)
PERMANENT SECONDARY CURRENT 100%	140A	140A
NO LOAD VOLTAGE	15V	

MIG		
REGULATION FIELD IN MIG-MAG MODE	10A–180A	
	PLC ON	PLC OFF
RATED SECONDARY CURRENT (40°C)		180A (60% ED)
PERMANENT SECONDARY CURRENT 100%	125A	140A
NO LOAD VOLTAGE	- - -	

MMA		
REGULATION FIELD IN STICK MODE	20A–180A	
	PLC ON	PLC OFF
RATED SECONDARY CURRENT (40°C)		180A (60% ED)
PERMANENT SECONDARY CURRENT 100%	110A	130A
NO LOAD VOLTAGE	VRD OFF U0=105V - VRD ON U0=15V	

OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	LIFT ARC
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	370X340X235
WEIGHT (KG)	15,5KG

OPTIONAL

CODE	DESCRIPTION
Z0295AA	EARTH CABLE AND CLAMP 35MM2 / 4M WITH PLUG 50
Z0297AA	STICK WELDING TORCH 35MM2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0125AA	MIG TORCH PAN 200 / 3M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
V0018AA	SPOOL GUN 250A / 6M (MIG SPECIAL TORCH WITH WIRE FEEDER AND SPOOL D.100 INTEGRATED / AIR COOLED)


TIG 200P
RILAND
INVERTER

Tig Inverters

Welding Focused Technology

T200P

DESCRIPTION

The T&R T200P professional tig welder with the very latest in inverter technology.
This Welding machine, with high frequency arc striking, is equipped with a powerful and innovative 230Vac single phase inverter.
The source output allows TIG welding of mild and stainless steel, copper and its alloys. The T200P also offers excellent welding performance in MMA (Stick) mode.
The welding power source is also ideally suited for portable use in chemical, metal construction, maintenance and repair companies, machinery and plant construction.
More compact, more light and easy to carry, T&R T200P is the welding machine perfect for your industry.

MAIN FEATURES

Arc stability and control.
With HF TIG arc starting.
Easy setting approach between TIG with HF striking, Pulsed TIG and MMA (Stick) mode.
Dual current pulsed arc available.
Digital instrument for the welding current.
Slope down time adjustable.
With over-heating protection.
Ideal for small and medium steel fabrications (steel and stainless steel, copper, titanium, etc.).
Smaller, lighter and portable, this equipment is protected by a solid plastic casing.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	T200P
CODE	V0024AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	32,5A
EFFECTIVE INPUT CURRENT (I1 EFF.)	15A
RATED POWER (MMA (STICK)) KVA	7,5KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3,4KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	5-200A
RATED SECONDARY CURRENT (40°C)	200A (40%ED)
PERMANENT SECONDARY CURRENT 100%	125A
NO LOAD VOLTAGE	65V
	MMA (STICK)
REGULATION FIELD IN MMA (STICK) MODE	20-160A
RATED SECONDARY CURRENT (40°C)	160A (40%ED)
PERMANENT SECONDARY CURRENT 100%	100A
NO LOAD VOLTAGE	65V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	LIFT ARC
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	194X310X450
WEIGHT (KG)	8KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4m

TIG 200 AC/DC

DESCRIPTION

AC/DC Tig welding Power source with HF arc starting, compact, portable, without wheels, powered by an AC/DC 200 amp power inverter, with a supply voltage of 230V single-phase. This Power source, is lightweight and simple to use, with an intuitive operator interface, which enables less skilled operators to produce good quality welding on all metals including Aluminium, Mild steel, Stainless steel, Titanium, Copper and it's alloy's. Single switch between TIG, “AC” or “DC” and MMA (Stick). The T&R 200 AC/DC offers a wide parameter adjustment range with quality & high productivity welding. The T&R 200 AC/DC also offers excellent welding performance in MMA (Stick) mode.
For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 25 V.
Suitable for remote foot control.

MAIN FEATURES

Arc stability and control.
With HF arc starting.
Possibility of choosing between welding cycle 2T or 4T
Pre-gas time adjustable.
Post-gas time adjustable.
Slope down time adjustable.
Ac wave balance adjustable.
Digital instrument for the welding current.
Predisposition to work with the foot control.
Triple welding process: TIG ac / TIG dc / MMA (Stick).
Equipped with VRD system for your safety.
With over-heating protection.
Smaller, lighter and portable, this equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	TIG 200 AC/DC
CODE	V0023AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T22A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	32,5A
EFFECTIVE INPUT CURRENT (I1 EFF.)	15A
RATED POWER (MMA (STICK)) KVA	7,5KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3,5KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	5-200A
RATED SECONDARY CURRENT (40°C)	200A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	125A
NO LOAD VOLTAGE	65V
	MMA (STICK)
REGULATION FIELD IN STICK MODE	20-160A
RATED SECONDARY CURRENT (40°C)	160A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	100A
NO LOAD VOLTAGE	65V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	HF
REMOTE CONTROL RECEPTACLE	YES (ANALOG)
FOOT CONTROL	OPTIONAL
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	344X382X500
WEIGHT (KG)	23,3KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4m
Z0015AA	FOOT CONTROL TIG STD

TER 186 TIG HF PULS

DESCRIPTION

Synergic Tig welding Inverter with HF arc starting, compact, portable.
The TER 186 Tig HF Puls inverter 230Vac single phase is a small but powerful source.
The response to adjustment is immediate thanks to its extremely simple and intuitive front panel. The Digital control panel, simple and operator friendly allows Synergic or Manual programmes to be selected with ease. The MMA functions includes Arc Force and Hot Start for professional welding.
For your own safety, this welding machine, is equipped with VRD system. The Voltage Reduction Device (whose acronym is: VRD) is a device used to decrease output voltage to a safe level when the welding source it is outside the welding cycle. Through this particular arrangement, when the arc is switched off, the open circuit voltage is reduced to only 15V.
This small but powerful welding source, is equipped with our special PLC device (Power line controller), patented system able to optimize the absorbed power according to the working place (16A domestic or 25A industrial).

MAIN FEATURES

Simple and easy, with digital display of preset and double welding process: Tig HF and MMA (Stick).
Arc stability and control.
Full digital Synergic control of cycle.
Selecting Between manual set or synergistic Program, also in MMA welding mode.
Possibility, in Set manual, to change all the parameters of TIG and MMA (Stick) cycle.
Special program for spot welding.
Possibility of choosing between Tig welding cycle 2T or 4T.
TIG HF Ignition welding with or without Pulsed arc.

MAIN FEATURES

Equipped with VRD system for your safety.
The MMA (Stick) welding process is equipped with the functions Hot Start, Arc force and Anti Sticking.
Equipped with digital instrument.
Pre-set parameters on a digital display.
With over-loading and over-heating protection.
Equipped with our special PLC device (Power line controller).
Smaller, lighter and portable, this equipment is protected by a solid metal casing.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	TER 186 TIG HF PULS	
CODE	V0010AA	
POWER SUPPLY	230V 1PH 50/60 HZ	
FUSES (TIME DELAY)	T16A	
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	32,5A	
EFFECTIVE INPUT CURRENT (I1 EFF.)	PLC OFF=20,8A	PLC ON=16A
RATED POWER (MMA) KVA	7,5 KVA	
PERMANENT POWER 100% (MMA) KVA	PLC OFF 4,8KVA	PLC ON 3,6KVA

TIG		
REGULATION FIELD IN TIG MODE (A)	5A-180A	
	PLC ON	PLC OFF
RATED SECONDARY CURRENT (40°C)		180A (60% ED)
PERMANENT SECONDARY CURRENT 100%	140A	140A
NO LOAD VOLTAGE	15V	

MMA		
REGULATION FIELD IN STICK MODE	20A–180A	
	PLC ON	PLC OFF
RATED SECONDARY CURRENT (40°C)		180A (60% ED)
PERMANENT SECONDARY CURRENT 100%	110A	130A
NO LOAD VOLTAGE	VRD OFF U0=105V	VRD ON U0=15V

OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	HF OR LIFT ARC
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	355X200X235
WEIGHT (KG)	8,5KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 – 4m
Z0031AA	TIG TORCH DIGIT 26 - 4m

Multi Wave

Welding Focused Technology

MULTIWAVE SYSTEM

Multi Wave is the latest evolution in multifunction power sources. Using advanced techniques of Tig Ac and Dc to open a new frontier in high quality arc welding. Complex applications become easy and fast thanks to simple automatic adjustment of all the welding variables. This new welding process now allows the use of tig in cost sensitive applications, Multi Wave user friendly, highly efficient and cost effective the advanced technology of the arc applications is complex but the user friendly front panel makes for simple control and easy operation of the machine use of the new enhanced processes are made easy.

The central control processor
allows the machine to be used also for traditional processes:

MODERN STICK ELECTRODE
MIG-MAG
PULSER MIG
COLD WIRE

FAST AND EFFICIENT

TIG welding can become a good alternative to MIG_MAG and PULSE MIG, with the new technology of MULTI WAVE. Up until now, TIG was only a quality approach for many applications. Now the innovative system of MULTI WAVE can be used in comparison to conventional welding methods. Many applications need the quality of tig but at the same time the cost can be prohibitive. When used at its maximum potential MultiWave, gives faster speeds with less deformation and lower costs while still maintaining high quality of the TIG procedure. This success is obtained by the full synergic approach, higher current and consequent higher welding speed. In this application of Multi Wave the built in automatic cold wire feed is used with high deposition ratio and brings forth a new frontier of high quality, high efficiency welding for any kind of material.

MOVE INTO THE FUTURE

Highest arc stability is available with the Multi Wave process. Thanks to the new innovative system of “FORCED ARC ™” the ignition of the arc is faster and direct - with or without high frequency.
Also in AC function, maintaining the arc does not require high frequency in any situation. With this innovation, arc ignition can be performed using a simple lift arc technique without causing any tungsten damage. High frequency can be selected in AC and DC welding mode, but only for arc ignition. With this system, automatic applications are possible, also it can be used in environments where the use of High Frequency is forbidden. Now with Multi Wave it is possible to weld with confidence and maximum arc stability, especially in environments such as hospitals, airports, power stations.
The use of the Multi Wave in robotic and automated situations eliminates the main problem of reliability of the robotic and CNC controllers when used for TIG process.

MULTI WAVE 200 AC/DC

DESCRIPTION

Tig welding Single Phase 220V AC, AC/DC 200 Inverter, compact, portable, operated by a 200 A power inverter. The Multi Wave is lightweight and simple to use, with an intuitive operator interface, allows even operators little experience of TIG welding to quickly achieve high quality welds on aluminum, steel, stainless steel, titanium, copper and bronze.
All innovative technical concepts are included in the new generation of Multi Wave systems.
The typical noise emissions of an AC arc can be mitigated by varying the type of current waveform of the arc thanks to our exclusive "TAC" (monitors the average value of the current)
Synergic Pulse and High Frequency Pulse factory installed programmes ensures the operator can produce welds in all positions.
The Multi Wave also has its own unique wave form “Mixed Arc” which can enable the operator to weld badly fitting materials (gaps) in all positions without problems.

MAIN FEATURES

Arc stability and control.
Selecting Between manual set or synergistic Program.
Up to 20 synergic programs TIG.
Ignition of arc system by HF device or Lift Arc.
TIG welding with or without Slopes up and Slopes down.
Pulsed TIG welding with or without Slopes up and Slopes down.
TIG Arc Mix with or without Slopes up and Slopes down.
Possibility, in Set manual, to change all the parameters of cycle.
Predisposition to work with the TIG Cold wire feeder sistem.
Full digital control of cycle.
MMA (Stick) ac/dc mode with synergic programs or manual set.
Special program for spot welding.
Predisposition to work with the foot control.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	MULTI WAVE 200 AC/DC
CODE	V0095AA
POWER SUPPLY (+15% / -15%)	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	26A
EFFECTIVE INPUT CURRENT (I1 EFF.)	15A
RATED POWER (MMA (STICK)) KVA	5.8KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	3.5KVA
	TIG AC
REGULATION FIELD IN TIG AC MODE (A)	10A - 200A
RATED SECONDARY CURRENT (40°C)	200A (ED=40%)
PERMANENT SECONDARY CURRENT 100% (A)	125A
NO LOAD VOLTAGE	65V
	TIG DC
REGULATION FIELD IN TIG DC MODE (A)	5A - 200A
RATED SECONDARY CURRENT (40°C)	200A (ED=30%)
PERMANENT SECONDARY CURRENT 100% (A)	125A
NO LOAD VOLTAGE	65V
	MMA (STICK)
REGULATION FIELD IN STICK MODE (A)	20A - 160A
RATED SECONDARY CURRENT (40°C)	160A (ED=30%)
PERMANENT SECONDARY CURRENT 100% (A)	100A
NO LOAD VOLTAGE	VRD OFF 65V VRD ON 25V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	HF OR LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)
FOOT CONTROL	OPTIONAL
TIG COLD WIRE FEEDERE SISTEM 4WD	OPTIONAL
WIDTH-HEIGHT-LENGTH (MM)	300X425X565
WEIGHT (KG)	19KG

OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4m
Z0031AA	TIG TORCH DIGIT 26 / 4m
V0305AA	FOOT CONTROL Multi Wave

MULTI WAVE 200 AC/DC PFC

DESCRIPTION

A Portable Digital Tig AC/DC air cooled TIG/MMA Inverter with PFC.
Compact, portable, operated by a 200 Amp Power Inverter, can be used on voltages from 95V to 265Vac single-phase, making this ideal for site use.
This Inverter is lightweight and simple to use. The operator friendly digital control panel allows less skilled operators to produce high quality welding in any material. All innovative technical concepts are included in the new generation of Multi Wave systems.
The typical noise emissions of an AC arc can be mitigated by varying the type of current waveform of the arc thanks to our exclusive "TAC" (monitors the average value of the current)
Synergic Pulse and High Frequency Pulse factory installed programmes ensures the operator can produce welds in all positions.
The Multi Wave also has its own unique wave form “Mixed Arc” which can enable the operator to weld badly fitting materials (gaps) without problems.

MAIN FEATURES

PFC Power Factor Correction wide range of power supply (95Vac - 265Vac).
Arc stability and control.
Selecting Between manual set or synergistic Program.
Up to 20 synergic programs TIG.
Ignition of arc system by HF device or Lift Arc.
TIG welding with or without Slopes up and Slopes down.
Pulsed TIG welding with or without Slopes up and Slopes down.
IG Arc Mix with or without Slopes up and Slopes down.
Possibility, in Set manual, to change all the parameters of cycle.
Predisposition to work with the TIG Cold wire feeder sistem.
Full digital control of cycle.
MMA (Stick) ac/dc mode with synergic programs or manual set .
Special program for spot welding.
Predisposition to work with the foot control.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	MULTI WAVE 200 AC/DC PFC	
CODE	V0291AA	
POWER SUPPLY (+15% / -15%)	110V 1PH 50/60 HZ	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T20A	T16A
INPUT RATED SUPPLY CURRENT (I1 MAX)	26A	23A
PERMANENT INPUT CURRENT (I1 EFF)	20A	10A
RATED POWER (TIG)	2,9KVA	5,0 KVA
PERMANENT POWER 100% (TIG)	2,2KVA	2,4KVA
	TIG AC	
REGULATION FIELD IN TIG AC MODE MODE (A)	10-145A	10-200A
RATED SECONDARY CURRENT (40°C)	145A (80%ED)	200A (40%ED)
PERMANENT SECONDARY CURRENT 100%	125A	125A
NO LOAD VOLTAGE	65V	
	TIG DC	
REGULATION FIELD IN TIG DC MODE (A)	5-145A	5-200A
RATED SECONDARY CURRENT MIN (40°C)	145A (70%ED)	200A (30%ED)
PERMANENT SECONDARY CURRENT 100%	125A	125A
NO LOAD VOLTAGE	65V	
	MMA (STICK)	
REGULATION FIELD IN STICK MODE	20-95A	20-160A
RATED SECONDARY CURRENT (40°C)	95A (80%ED)	160A (30%ED)
PERMANENT SECONDARY CURRENT 100%	85A	90A
NO LOAD VOLTAGE	VRD OFF 65V - VRD ON 25V	
OVERLOAD PROTECTION	THERMAL	
PROTECTION CLASS	IP21S	
INSULATION CLASS	H	
HOT START	YES	
ANTI STICKING	YES	
ARC FORCE	YES	
TIG IGNITION	HF OR LIFT ARC	
REMOTE CONTROL	RECEPTACLE YES (ANALOG OR DIGITAL)	
REMOTE CONTRO	L OPTIONAL (ANALOG OR DIGITAL)	
FOOT CONTROL	OPTIONAL	
TIG COLD WIRE FEEDERE SISTEM 4WD	OPTIONAL	
GAS BOTTLE TROLLEY	NO	
WIDTH-HEIGHT-LENGTH (MM)	300X425X565	
WEIGHT (KG)	22	

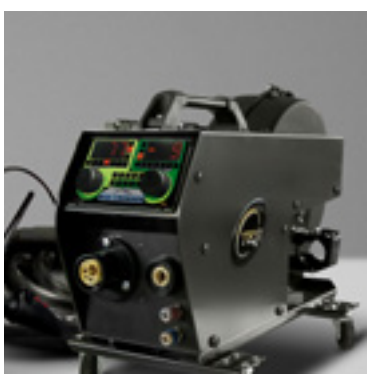
OPTIONAL

CODE	DESCRIPTION
Z0294AA	EARTH CABLE AND CLAMP 25mm2 / 4m WITH PLUG 50
Z0296AA	STICK WELDING TORCH 25mm2 / 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4m
Z0031AA	TIG TORCH DIGIT 26 / 4m
V0305AA	FOOT CONTROL Multi Wave

MULTI WAVE 400 AC/DC- MULTI WAVE 500 AC/DC

DESCRIPTION

This powerful Multi Process Ac/DC power source is part of our new Multi Wave range. High power with an excellent Duty Cycle makes the system ideal for professional welding of all the alloys of aluminum and of all the noble metals. A variety of Synergic programmes are factory installed to enable the operator to produce quality welding results without a high level of skill requirement. The Synergic programmes include Pulsed TIG, and MMA for all materials. The exclusive "TAC" (True average current), in our pulsed arc process, gives fast and accurate control of the welding current, and offers outstanding welding performance. Our special wave form "Mix Arc", reduces the risk of impurity inclusions in the weld pool especially at high current. The Multi Wave 400/500 offers many options including our Synergic Cold Wire Feeder system for semi automatic welding procedures. All Multi Wave AC/DC 3 Phase machines have the option of Synergic external wire feeder for MIG/MAG welding. This impressive wire feed system includes all of the features of the Concept Plus giving higher welding speeds and deeper penetration when welding. The Multi Wave 400/500 has options for remote foot control or remote digital torch.



MAIN FEATURES

- Arc stability and control.
- Selecting Between manual set or synergistic Program.
- Up to 20 synergic programs TIG.
- Ignition of arc system by HF device or Lift Arc.
- TIG welding with or without Slopes up and Slopes down.
- Pulsed TIG welding with or without Slopes up and Slopes down.
- TIG Arc Mix with or without Slopes up and Slopes down.
- Possibility, in Set manual, to change all the parameters of cycle.
- Predisposition to work with the TIG Cold wire feeder sistem.

MAIN FEATURES

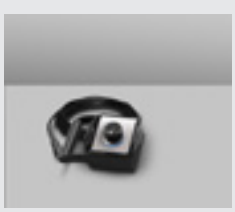
- Full digital control of cycle.
- MMA (Stick) ac/dc mode with synergic programs or manual set.
- Special program for spot welding.
- Predisposition to work with the foot control.
- Predisposition to work with MIG/MAG device (optionals external wire feeder and interconnecting cable).
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed.
- MIG/MAG Double Pulsed, already installed.
- Automatic change of polarity.

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	MULTI WAVE 400 AC/DC	MULTI WAVE 500 AC/DC
CODE	V0272AA	V0271AA
POWER SUPPLY	400V 3PH 50/60 HZ	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	16A	30A
EFFECTIVE INPUT CURRENT (I1 EFF.)	13A	20A
RATED POWER (MMA (STICK)) KVA	11KVA	21KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	9KVA	13,8KVA
	TIG	
REGULATION FIELD IN TIG MODE (A)	5A - 400A	5A - 500A
RATED SECONDARY CURRENT (40°C)	400A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A	320A
NO LOAD VOLTAGE	20V	20V
	MIG	
REGULATION FIELD IN MIG-MAG MODE	10A - 320A	10A - 400A
RATED SECONDARY CURRENT (40°C)	320A (ED=40%)	400A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A	320A
NO LOAD VOLTAGE	20V	20V
	MMA (STICK)	
REGULATION FIELD IN STICK MODE	20A - 250A	20A - 320A
RATED SECONDARY CURRENT (40°C)	250A (ED=40%)	320A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	160A	290A
NO LOAD VOLTAGE	VRD OFF 72V - VRD ON 20V	VRD OFF 72V - VRD ON 20V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
TIG IGNITION	HF OR LIFT ARC	HF OR LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)	OPTIONAL (ANALOG OR DIGITAL)
FOOT CONTROL	OPTIONAL	OPTIONAL
WATER COOLER UNIT	OPTIONAL	OPTIONAL
GAS BOTTLE TROLLEY	BUILT IN	BUILT IN
TIG COLD WIRE FEEDERE SISTEM 4WD	OPTIONAL	OPTIONAL
EXTERNAL MIG/MAG WIRE FEEDER 4WD	OPTIONAL	OPTIONAL
INTERCONNECTING CABLE 5M	OPTIONAL	OPTIONAL
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	505X845X920	505X890X920
WEIGHT (KG)	50KG	51KG

MULTI WAVE 400 AC/DC- MULTI WAVE 500 AC/DC

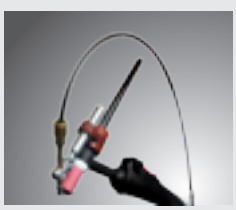
OPTIONAL

CODE	DESCRIPTION
V0267AA	TROLLEY BASIC (MULTI SYNERGIC & MULTI WAVE)
V0112AA	WATER COOLING SYSTEM (MULTI SYNERGIC & MULTI WAVE)
V0099AA	WIRE FEEDER TIG COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT
Z0098AA	EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI SYNERGIC & MULTI WAVE)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0260AA	CABLE ASSEMBLY 95Mm2 / LENGTH 5M
Z0261AA	CABLE ASSEMBLY 95Mm2 / LENGTH 10M
V0100AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI SYNERGIC & MULTI WAVE ONLY FOR MIG)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
V0305AA	FOOT CONTROL MULTI WAVE
Z0231AA	EARTH CABLE AND CLAMP 50Mm2 / 3M WITH PLUG 50
Z0251AA	EARTH CABLE AND CLAMP 70Mm2 / 3,5M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0244AA	TIG TORCH DIGIT 26 COLD WIRE / 3+1M
Z0325AA	TIG TORCH DIGIT 18HC COLD WIRE / 3+1M (400A ED=100%)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)







DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0272A	MULTI WAVE 400 AC/DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	

COMPOSITION	
CODE	MODEL NAME
V0096AA	MULTI WAVE 400 W AC/DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	

COMPOSITION	
CODE	MODEL NAME
V0115AA	MULTI WAVE 400 W AC/DC DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0114AA	MULTI WAVE 400 W AC/DC FF
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0099AA) WIRE FEEDER COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT	

COMPOSITION	
CODE	MODEL NAME
V0271AA	MULTI WAVE 500 AC/DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0097AA	MULTI WAVE 500 W AC/DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	

COMPOSITION	
CODE	MODEL NAME
V0118AA	MULTI WAVE 500 W AC/DC DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC (V0112AA) COOLING UNIT LIQUID COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0117AA	MULTI WAVE 500 W AC/DC FF
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0099AA) WIRE FEEDER COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT	

MULTI WAVE 250 DC

DESCRIPTION

Synergic Tig welding Inverter with HF arc starting, compact, portable. The Multi Wave 250 DC boasts an incredible 250A @ 100% duty cycle.
This machine is built for heavy duty TIG welding.
As with all Multi Wave machines, the 250 DC has a simple to use digital control panel allowing the operator to choose Synergic Pulsed and High frequency pulse settings factory installed for most applications.
The innovations of the Multi Wave family are built in this portable machine with the result of higher thickness of welding material at faster speed. The equipment is complete with all functions to perform professional welding.
The TAC (true average current) allows pulsation of the arc without extra regulation and the special function of MIX ARC ensures impurity from the welding pool to be eroded in high current applications.
The equipment has the option of the external cold wire feeder system to produce semi automatic welding. The DC 250 can operate with foot control or digital remote control torch.

MAIN FEATURES

Arc stability and control.
Selecting Between manual set or synergistic Program.
Up to 20 synergic programs TIG.
Ignition of arc system by HF device or Lift Arc.
TIG welding with or without Slopes up and Slopes down.
Pulsed TIG welding with or without Slopes up and Slopes down.
TIG Arc Mix with or without Slopes up and Slopes down.
Possibility, in Set manual, to change all the parameters of cycle.
Predisposition to work with the TIG Cold wire feeder sistem.
Full digital control of cycle.
MMA (Stick) mode with synergic programs or manual set.
Special program for spot welding.
Predisposition to work with the foot control.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	MULTI WAVE 250 DC
CODE	V0093AA
POWER SUPPLY	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	14,5 A
EFFECTIVE INPUT CURRENT (I1 EFF.)	9,4 A
RATED POWER (MMA (STICK)) KVA	10KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	6,5KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	5A - 250A
RATED SECONDARY CURRENT (40°C)	250A (ED=100%)
PERMANENT SECONDARY CURRENT 100%	250A
NO LOAD VOLTAGE	20V
	MMA (STICK)
REGULATION FIELD IN STICK MODE	20A - 220A
RATED SECONDARY CURRENT (40°C)	220A (ED=100%)
PERMANENT SECONDARY CURRENT 100%	220A
NO LOAD VOLTAGE	VRD OFF 60V VRD ON 20V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	HF OR LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)
FOOT CONTROL	OPTIONAL
TIG COLD WIRE FEEDERE SISTEM 4WD	OPTIONAL
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	300X425X565
WEIGHT (KG)	29,9KG

OPTIONAL

CODE	DESCRIPTION
Z0295AA	EARTH CABLE AND CLAMP 35mm2 / 4m WITH PLUG 50
Z0297AA	STICK WELDING TORCH 35mm2/ 4m WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4m
Z0031AA	TIG TORCH DIGIT 26 / 4m
Z0244AA	TIG TORCH DIGIT 26 COLD WIRE / 3+1m
V0099AA	WIRE FEEDER TIG COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT
V0305AA	FOOT CONTROL MULTI WAVE

MULTI WAVE 400 DC

DESCRIPTION

This powerful Multi Process DC power source is part of our new Multi Wave range. High power with an excellent Duty Cycle makes the system ideal for professional welding of all the alloys of aluminum and of all the noble metals. A variety of Synergic programmes are factory installed to enable the operator to produce quality welding results without a high level of skill requirement. The Synergic programmes include Pulsed TIG, and MMA for all materials. The exclusive "TAC" (True average current), in our pulsed arc process, gives fast and accurate control of the welding current, and offers outstanding welding performance.
Our special wave form "Mix Arc", reduces the risk of impurity inclusions in the weld pool especially at high current. The Multi Wave 400 DC offers many options including our Synergic Cold Wire Feeder system for semi automatic welding procedures. All Multi Wave 3 Phase machines have the option of Synergic external wire feeder for MIG/MAG welding. This impressive wire feed system includes all of the features of the Concept Plus giving higher welding speeds and deeper penetration when welding. The Multi Wave 400 DC has options for remote foot control or remote digital torch.

MAIN FEATURES

- Arc stability and control.
- Selecting Between manual set or synergistic Program.
- Up to 20 synergic programs TIG.
- Ignition of arc system by HF device or Lift Arc.
- TIG welding with or without Slopes up and Slopes down.
- Pulsed TIG welding with or without Slopes up and Slopes down.
- TIG Arc Mix with or without Slopes up and Slopes down.
- Possibility, in Set manual, to change all the parameters of cycle.
- Predisposition to work with the TIG Cold wire feeder sistem.
- Full digital control of cycle.
- MMA (Stick) mode with synergic programs or manual set.
- Special program for spot welding.

MAIN FEATURES

- Predisposition to work with the foot control.
- Predisposition to work with MIG/MAG device (optionals external wire feeder and interconnecting cable).
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed.
- MIG/MAG Double Pulsed, already installed.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	MULTI WAVE 400 DC
CODE	V0273AA
POWER SUPPLY	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	16A
EFFECTIVE INPUT CURRENT (I1 EFF.)	13A
RATED POWER (MMA (STICK)) KVA	11KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	9KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	5A - 400A
RATED SECONDARY CURRENT (40°C)	400A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A
NO LOAD VOLTAGE	20V
	MIG
REGULATION FIELD IN MIG-MAG MODE	10A - 320A
RATED SECONDARY CURRENT (40°C)	320A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A
NO LOAD VOLTAGE	20V
	MMA (STICK)
REGULATION FIELD IN STICK MODE	20A - 250A
RATED SECONDARY CURRENT (40°C)	250A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	160A
NO LOAD VOLTAGE	VRD OFF 60V VRD ON 20V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	HF OR LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)
WATER COOLER UNIT	OPTIONAL
GAS BOTTLE TROLLEY	BUILT IN
TIG COLD WIRE FEEDERE SISTEM 4WD	OPTIONAL
EXTERNAL MIG/MAG WIRE FEEDER 4WD	OPTIONAL
INTERCONNECTING CABLE 5M	OPTIONAL
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	505X705X920
WEIGHT (KG)	50KG

MULTI WAVE 400 DC

OPTIONAL

CODE	DESCRIPTION
V0267AA	TROLLEY BASIC (MULTI SYNERGIC & MULTI WAVE)
V0112AA	WATER COOLING SYSTEM (MULTI SYNERGIC & MULTI WAVE)
V0099AA	WIRE FEEDER TIG COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT
Z0098AA	EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI SYNERGIC & MULTI WAVE)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0260AA	CABLE ASSEMBLY 95Mm2 / LENGTH 5M
Z0261AA	CABLE ASSEMBLY 95Mm2 / LENGTH 10M
V0100AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI SYNERGIC & MULTI WAVE ONLY FOR MIG)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
V0305AA	FOOT CONTROL MULTI WAVE
Z0231AA	EARTH CABLE AND CLAMP 50Mm2 / 3M WITH PLUG 50
Z0251AA	EARTH CABLE AND CLAMP 70Mm2 / 3,5M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0244AA	TIG TORCH DIGIT 26 COLD WIRE / 3+1M
Z0325AA	TIG TORCH DIGIT 18HC COLD WIRE / 3+1M (400A ED=100%)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0273AA	MULTI WAVE 400 DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0094AA	MULTI WAVE 400 W DC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	

COMPOSITION	
CODE	MODEL NAME
V0121AA	MULTI WAVE 400 W DC DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0122AA	MULTI WAVE 400 W DC FF
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0099AA) WIRE FEEDER COLD WIRE - 15K WITH WHEELS AND SWIVEL SUPPORT	

MULTI SYNERGIC

MULTI SYNERGY is the modern solution for applications in the medium high current range where the development of modern synergy helps in the welding of different material such as aluminium, stainless steel, copper alloys and standard steel alloys, reducing the welding cost and improving the overall efficiency of the welding.

A complete range of programs that are easy to use provide excellent results even for first time users of digital machines. The highly effeicent and robust inverter allows for a minmium of primary power input providing lower energy operating cost.

The selection of the welding parameters is fast and sure - thanks to the easy synergic
set function, all that is required is to select the thickness of the material and then weld, the digital control maintains the arc quality, auto adjusting and adapting the welding parameters to suit and maintain ideal welding performance during different working situations.

It is a complete welding power source that covers all kinds of applications from
light and precision welding using copper alloys and aluminium up to the high speed welding process of mild steel.

Multifunction system for all applications, complete for any application, any material, any position the machine is suitable for high performance welding in mild steel, aluminium and stainless steel
Compact and flexible it is the ideal choice for skilled and unskilled users thanks to the mig-mag synergic programs and easy to use front control panel.
The latest development of high speed mig technology provides better welding results, increases the speed of welding and provides significant weld cost savings of up to 50% built in base programs for pulse mig and double pulse with Plus Concept technology MMA professional mode with easy Synergic or Manual setting complete TIG mode for the highest level of applications user job function for all kinds of applications with quick recall of the most used applications.
It is a new cost effective system bringing new technology at an affordable price, reducing the costs of your welding applications, improving weld quality while delivering greater functionality to your workshop.


ter welding
TPS
RILAND
Multi Synergic
Multifunction System For All Applications

MULTI SYNERGIC 280KT / 350KT / 500KT

DESCRIPTION

Multifunction system for all applications, complete for any application, any material, The Multi 280KT, 350KT & 500KT range are compact MIG/MAG Pulsed welding multifunction Inverters. Each has a connection at the rear of the machine ready to accept the optional external wire feeder. The dual feeder system allows for two different types of material to be welded without continuous changing of the wire. By pushing the torch switch connected to the internal wire feeder it automatically activates the wire feeder. If the operator pushes the torch switch on the other external feeder, that feeder activates an the internal wire feeder enters sleep mode.

A Multifunction system for all applications, complete for any application, any material, any position.The machine is suitable for high performance welding in mild steel, aluminium and stainless steel.

Compact and flexible it is the ideal choice for skilled and unskilled users thanks to the Mig-Mag Synergic programs and easy to use front control panel.

The latest development of high speed Mig technology provides better welding results, increases the speed of welding and provides significant weld cost savings of up to 45%. Factory installed Synergic programs for Pulse Mig and Double Pulse with Plus Concept technology, MMA (Stick) and TIG Lift. Simple setting of parameters in both manual and Synergic modes.

The Multi Synergic range has the facility to save the operators own settings, with a simple recall of the Job when required. A new cost effective system bringing new technology at an affordable price, reducing the costs of your welding applications, improving weld quality while delivering greater functionality to your workshop.

MAIN FEATURES

- Increased Welding Speed.
- Increased control of the deposit.
- Arc stability and control.
- Higher Penetration.
- Quality of the Deposit.
- Selecting Between manual set or synergistic Program.
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed (5 Pulsed programs).
- MIG/MAG Double Pulsed, already installed.
- MMA (Stick) mode with synergic programs or manual set .
- Special program for spot welding.

MAIN FEATURES

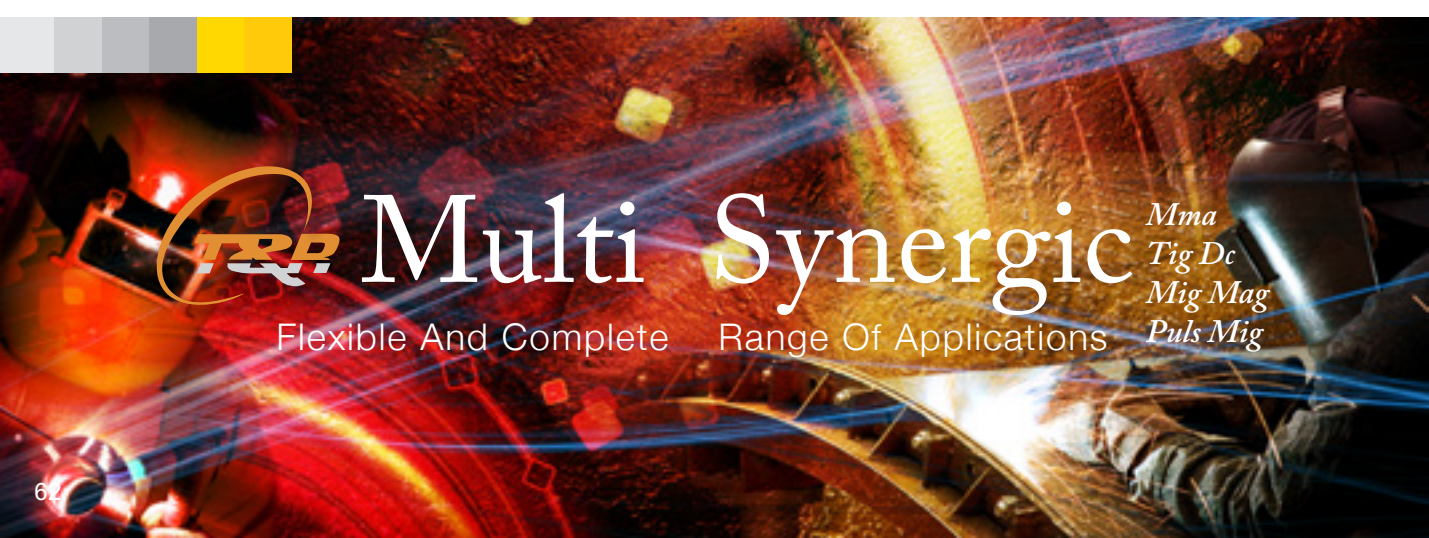
- TIG Lift Arc welding with or without Slopes up and Slopes down.
- Pulsed TIG Lift Arc welding with or without Slopes up and Slopes down.
- Possibility, in Set manual, to change all the parameters of MIG/MAG - TIG – MMA (Stick) cycle.
- Full digital control of cycle.
- Predisposition for the connection of a second external MIG/MAG wire feeder device.

TECHNICAL DATA		DESCRIPTION	
DESCRIPTION	MULTI SYNERGIC 280KT	MULTI SYNERGIC 350KT	MULTI SYNERGIC 500KT
CODE	V0101AA	V0102AA	V0103AA
POWER SUPPLY	400V 3PH 50/60 HZ	400V 3PH 50/60 HZ	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T12A	T20A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	18A	28A46A	
EFFECTIVE INPUT CURRENT (I1 EFF.)	9A	13A22A	
RATED POWER (MMA (STICK)) KVA	12,5KVA	19,5KVA	32KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	6,1KVA	9KVA	15,3KVA
		TIG	
REGULATION FIELD IN TIG MODE (A)	5A - 280A	5A - 350A	5A - 500A
RATED SECONDARY CURRENT (40°C)	280A (ED=40%)	350A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	180A	225A	320A
NO LOAD VOLTAGE	20V	20V20V	
		MIG	
REGULATION FIELD IN MIG-MAG MODE	20A - 280A	20A - 350A	20A - 500A
RATED SECONDARY CURRENT (40°C)	280A (ED=40%)	350A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	180A	225A	320A
NO LOAD VOLTAGE	20V	20V20V	
		MMA (STICK)	
REGULATION FIELD IN STICK MODE	20A - 280A	20A - 350A	20A - 500A
RATED SECONDARY CURRENT (40°C)	280A (ED=40%)	350A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	180A	225A	320A
NO LOAD VOLTAGE	VRD OFF 68V VRD ON 20V	VRD OFF 68V VRD ON 20V	VRD OFF 68V VRD ON 20V
OVERLOAD PROTECTION	THERMAL	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S	IP21S
INSULATION CLASS	H	H H	
HOT START	YES	YESYES	
ANTI STICKING	YES	YESYES	
ARC FORCE	YES	YESYES	
TIG IGNITION	LIFT ARC	LIFT ARC	LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)	YESYES (ANALOG OR DIGITAL)	 (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)	OPTIONAL (ANALOG OR DIGITAL)	OPTIONAL (ANALOG OR DIGITAL)
WATER COOLER UNIT	NO	OPTIONAL	OPTIONAL
GAS BOTTLE TROLLEY	BUILT IN	BUILT IN	BUILT IN
EXTERNAL MIG/MAG WIRE FEEDER 4WD	OPTIONAL	OPTIONAL	OPTIONAL
INTERCONNECTING CABLE 5M	OPTIONAL	OPTIONAL	OPTIONAL
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	505X1040X920	505X1040X920	505X1040X920
WEIGHT (KG)	46KG	51KG	53KG

MULTI SYNERGIC 280KT / 350KT / 500KT

OPTIONAL

CODE	DESCRIPTION
V0267AA	TROLLEY BASIC (MULTI SYNERGIC & MULTI WAVE)
V0112AA	WATER COOLING SYSTEM (MULTI SYNERGIC & MULTI WAVE)
Z0098AA	EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI SYNERGIC & MULTI WAVE)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0260AA	CABLE ASSEMBLY 95Mm2 / LENGTH 5M
Z0261AA	CABLE ASSEMBLY 95Mm2 / LENGTH 10M
V0100AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI SYNERGIC & MULTI WAVE ONLY FOR MIG)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
Z0295AA	EARTH CABLE AND CLAMP 35Mm2 / 4M WITH PLUG 50
Z0231AA	EARTH CABLE AND CLAMP 50Mm2 / 3M WITH PLUG 50
Z0251AA	EARTH CABLE AND CLAMP 70Mm2 / 3,5M WITH PLUG 50
Z0297AA	STICK WELDING TORCH 35Mm2 / 4M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)



DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0101AA	MULTI SYNERGIC 280KT
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	

COMPOSITION	
CODE	MODEL NAME
V0106AA	MULTI SYNERGIC 280KT DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0102AA	MULTI SYNERGIC 350KT
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0104AA	MULTI SYNERGIC 350KW
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	

COMPOSITION	
CODE	MODEL NAME
V0107AA	MULTI SYNERGIC 350KW DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0103AA	MULTI SYNERGIC 500KT
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	

COMPOSITION	
CODE	MODEL NAME
V0105AA	MULTI SYNERGIC 500KW
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	

COMPOSITION	
CODE	MODEL NAME
V0108AA	MULTI SYNERGIC 500KW DUO
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

MULTI SYNERGIC 400F / 500F

DESCRIPTION

The Multi Synergic 400F & 500F is a very powerful system for professional welding, and high performance, with separate Wire Feeder System, with options for interconnecting cable length. A Multifunction system for all applications, complete for any application, any material, in any position. The machine is suitable for high performance welding in Mild Steel, Aluminium, Stainless Steel Copper and it's alloy's. Compact and flexible it is the ideal choice for skilled and unskilled users thanks to the Mig-Mag Synergic programs and easy to use front control panel. The latest development of high speed Mig technology provides better welding results, increases the speed of welding and provides significant weld cost savings of up to 45%. The Multi Synergic range has arrange of factory installed Synergic programs for Pulsed & Double Pulsed MIG/MAG welding with Plus Concept technology, MMA (Stick), and TIG Lift. The Multi Synergic range has the facility to save the operators own settings, with a simple recall of the Job when required. A new cost effective system bringing new technology at an affordable price, reducing the costs of your welding applications, improving weld quality while delivering greater functionality to your workshop.

MAIN FEATURES

- Increased Welding Speed
- Increased control of the deposit
- Arc stability and control
- Higher Penetration
- Quality of the Deposit
- Selecting Between manual set or synergistic Program
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed (7 Pulsed programs)
- MIG/MAG Double Pulsed, already installed
- MMA (Stick) mode with synergic programs or manual set
- Special program for spot welding

MAIN FEATURES

- TIG Lift Arc welding with or without Slopes up and Slopes down
- Pulsed TIG Lift Arc welding with or without Slopes up and Slopes down
- Possibility, in Set manual, to change all the parameters of MIG/MAG - TIG – MMA (Stick) cycle.
- Full digital control of cycle

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	MULTI SYNERGIC 400F	MULTI SYNERGIC 500F
CODE	V0303AA	V0294AA
POWER SUPPLY	400V 3PH 50/60 HZ	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	26A	46A
EFFECTIVE INPUT CURRENT (I1 EFF.)	13,5A	22A
RATED POWER (MMA (STICK)) KVA	18KVA	32KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	9,4KVA	15,3KVA
	TIG	
REGULATION FIELD IN TIG MODE (A)	5A - 400A	5A - 500A
RATED SECONDARY CURRENT (40°C)	400A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A	320A
NO LOAD VOLTAGE	20V	20V
	MIG	
REGULATION FIELD IN MIG-MAG MODE	20A - 400A	20A - 500A
RATED SECONDARY CURRENT (40°C)	400A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A	320A
NO LOAD VOLTAGE	20V	20V
	MMA (STICK)	
REGULATION FIELD IN STICK MODE	20A - 400A	20A - 500A
RATED SECONDARY CURRENT (40°C)	400A (ED=40%)	500A (ED=40%)
PERMANENT SECONDARY CURRENT 100%	250A	320A
NO LOAD VOLTAGE	VRD OFF 72V	VRD OFF 72V
	VRD ON 20V	VRD ON 20V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
TIG IGNITION	LIFT ARC	LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)	OPTIONAL (ANALOG OR DIGITAL)
WATER COOLER UNIT	OPTIONAL	OPTIONAL
GAS BOTTLE TROLLEY	BUILT IN	BUILT IN
EXTERNAL MIG/MAG WIRE FEEDER 4WD	BUILT IN	BUILT IN
INTERCONNECTING CABLE 5M	BUILT IN	BUILT IN
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	505X1695X920	505X1695X920
WEIGHT (KG)	89KG	89KG

MULTI SYNERGIC 400F / 500F

OPTIONAL

CODE	DESCRIPTION
V0267AA	TROLLEY BASIC (MULTI SYNERGIC & MULTI WAVE)
V0112AA	WATER COOLING SYSTEM (MULTI SYNERGIC & MULTI WAVE)
Z0098AA	EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI SYNERGIC & MULTI WAVE)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0260AA	CABLE ASSEMBLY 95Mm2 / LENGTH 5M
Z0261AA	CABLE ASSEMBLY 95Mm2 / LENGTH 10M
V0100AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI SYNERGIC & MULTI WAVE ONLY FOR MIG)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
Z0251AA	EARTH CABLE AND CLAMP 70Mm2 / 3,5M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0303AA	MULTI SYNERGIC 400F
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	
+ (V0267AA) TROLLEY BASIC	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0294AA	MULTI SYNERGIC 500F
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	
+ (V0267AA) TROLLEY BASIC	
+ Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0304AA	MULTI SYNERGIC 400FW
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0295AA	MULTI SYNERGIC 500FW
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	
+ (V0267AA) TROLLEY BASIC	
+ (V0112AA) WATER COOLING SYSTEM	
+ (Z0098AA) EXTERNAL WIRE FEEDER MULTIFIL - 15K WITH WHEELS AND SWIVEL SUPPORT	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

Plus Concept

Hight Productivity Solution

++ Increased Welding Speed ++ Control of the Deposit

++ Arc stability and control ++ Higher Penetration

++ Quality of the Deposit

MULTI PLUS 250K – 400K

DESCRIPTION

The Multi Plus 250 and 400 are MIG/MAG Pulsed welding multifunction compact type, which have an internal wire feeder. The Multi 400 has the option of an external wire feeder from the existing cable connector at the rear of the power source to create a dual wire feed system. The dual feeder system allows for two different types of material to be welded without continuous changing of the wire. By pushing the torch switch connected to the internal wire feeder it automatically activates the wire feeder. If the operator pushes the torch switch on the other external feeder, that feeder activates an the internal wire feeder enters sleep mode. PLUS CONCEPT is an innovative solution that revolutionises the Welding Industry.
Now, high efficiency welding is possible with Gas Metal Arc Welding and Pulse Arc and in standard applications. The forced dynamism of the PLUS CONCEPT not only allows a higher quality of welding but it also achieves a fast transfer drop rate in the high frequency arc pool with surprising results: It increases significantly the welding speed by up to 45% and, at the same time, increases penetration of the weld. Higher speed, higher penetration and less spatter mean less energy used during the deposit and reduced deformation during the welding.
The installation also has the Double Pulse welding function. The Multi range offers simple and precise settings of all parameters. The Multi Plus are extremely versatile and have TIG, Pulsed TIG (Lift Arc ignition) and MMA (Stick), MIG/MAG Pulsed and Double Pulse synergic programmes in all modes.

MAIN FEATURES

- Increased Welding Speed.
- Increased control of the deposit.
- Arc stability and control.
- Higher Penetration.
- Quality of the Deposit.
- Selecting Between manual set or synergistic Program.
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed.
- MIG/MAG Double Pulsed, already installed.
- MMA (Stick) mode with synergic programs or manual set .
- Special program for spot welding.

MAIN FEATURES

- TIG Lift Arc welding with or without Slopes up and Slopes down.
- Pulsed TIG Lift Arc welding with or without Slopes up and Slopes down.
- Possibility, in Set manual, to change all the parameters of MIG/MAG - TIG – MMA (Stick) cycle.
- Full digital control of cycle.
- Predisposition for the connection of a second external MIG/MAG wire feeder device (only 400 P.S

TECHNICAL DATA	DESCRIPTION	
DESCRIPTION	MULTI PLUS 250K	MULTI PLUS 400K
CODE	V0052AA	V0032AA
POWER SUPPLY (+15% / -15%)	230V 1PH 50/60HZ	400V 3PH 50/60HZ
FUSES (TIME DELAY)	T25A	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	44,8A	26A
EFFECTIVE INPUT CURRENT (I1 EFF.)	24A	18A
RATED POWER (MMA (STICK)) KVA	10.3KVA	18KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	5.5KVA	12.5KVA
	TIG	
REGULATION FIELD IN TIG MODE (A)	10A – 250A	10A –400A
RATED SECONDARY CURRENT (40°C)	250A (ED=40%)	400A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	160A	310A
NO LOAD VOLTAGE	65V	65V
	MIG	
REGULATION FIELD IN MIG-MAG MODE (A)	20A - 250A	20A – 400A
RATED SECONDARY CURRENT (40°C)	250A (ED=40%)	400A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	160A	310A
NO LOAD VOLTAGE	65V	65V
	MMA (STICK)	
REGULATION FIELD IN STICK MODE (A)	20A - 220A	20A - 400A
RATED SECONDARY CURRENT (40°C)	220A (ED=40%)	400A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	140A	310A
NO LOAD VOLTAGE	VRD OFF 65V VRD ON 25V	VRD OFF 65V VRD ON 25V
OVERLOAD PROTECTION	THERMAL	THERMAL
PROTECTION CLASS	IP21S	IP21S
INSULATION CLASS	H	H
HOT START	YES	YES
ANTI STICKING	YES	YES
ARC FORCE	YES	YES
TIG IGNITION	LIFT ARC	LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)	OPTIONAL (ANALOG OR DIGITAL)
WATER COOLER UNIT	NO	OPTIONAL
DRAWER	OPTIONAL	OPTIONAL
GAS BOTTLE TROLLEY	OPTIONAL	OPTIONAL
EXTERNAL MIG/MAG WIRE FEEDER 4WD	NO	OPTIONAL
INTERCONNECTING CABLE 5M	NO	OPTIONAL
WIDTH-HEIGHT-LENGTH (MM)	340X410X630	340X410X630
WEIGHT (KG)	36KG	45KG

MULTI PLUS 250K – 400K

OPTIONAL

CODE	DESCRIPTION
V0064AA	TROLLEY WITH DRAWER (MULTI PLUS)
V0035AA	TROLLEY UR LIQUID COOLING SYSTEM (MULTI PLUS)
Z0060AA	EXTERNAL WIRE FEEDER LPM 300 - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI PLUS)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0185AA	CABLE ASSEMBLY 70Mm2 / LENGTH 15M
Z0397AA	CABLE ASSEMBLY 70Mm2 / LENGTH 20M
V0109AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI PLUS)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
Z0295AA	EARTH CABLE AND CLAMP 35Mm2 / 4M WITH PLUG 50
Z0231AA	EARTH CABLE AND CLAMP 50Mm2 / 3M WITH PLUG 50
Z0297AA	STICK WELDING TORCH 35Mm2 / 4M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0052AA	MULTI PLUS 250K
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD (WITHOUT TROLLEY)	

COMPOSITION	
CODE	MODEL NAME
V0066AA	MULTI PLUS 250KT
INCLUDED:	
▪ (V0052AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD + (V0064AA) TROLLEY WITH DRAWER (MULTI PLUS)	

COMPOSITION	
CODE	MODEL NAME
V0032AA	MULTI PLUS 400K
INCLUDED:	
▪ MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD (WITHOUT TROLLEY)	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

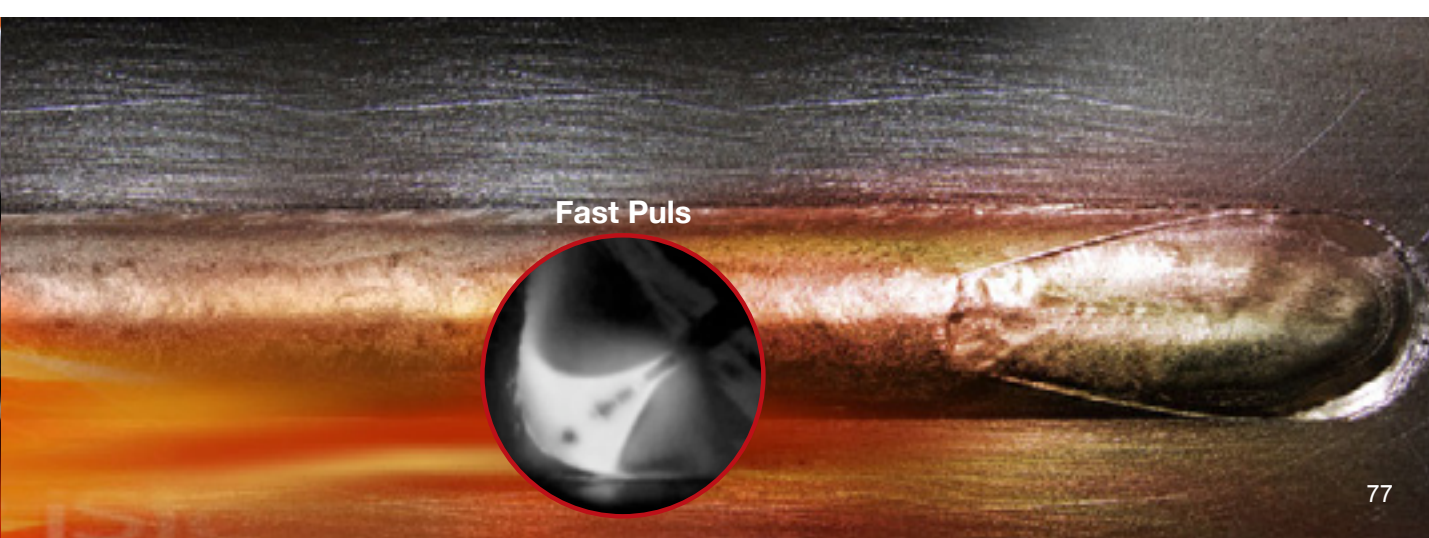
COMPOSITION	
CODE	MODEL NAME
V0033AA	MULTI PLUS 400KT
INCLUDED:	
▪ (V0032AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0064AA) TROLLEY WITH DRAWER (MULTI PLUS)	

COMPOSITION	
CODE	MODEL NAME
V0034AA	MULTI PLUS 400KW
INCLUDED:	
▪ (V0032AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0035AA) TROLLEY UR LIQUID COOLING SYSTEM (MULTI PLUS)	

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0067AA	MULTI PLUS 400KT DUO
INCLUDED:	
▪ (V0032AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0064AA) TROLLEY WITH DRAWER (MULTI PLUS)	
+ (Z0060AA) EXTERNAL WIRE FEEDER LPM 300-15K WITH WHEELS & SWIVEL SUPPORT (MULTI PLUS)	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0068AA	MULTI PLUS 400KW DUO
INCLUDED:	
▪ (V0032AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0035AA) TROLLEY UR LIQUID COOLING SYSTEM (MULTI PLUS)	
+ (Z0060AA) EXTERNAL WIRE FEEDER LPM 300-15K WITH WHEELS & SWIVEL SUPPORT (MULTI PLUS)	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	



MULTI PLUS 500F

DESCRIPTION

The Multi Plus 500F is a very powerful system for professional MIG/MAG Pulsed welding, and high performance.
The Multi Plus 500F has a separate feeder, with options for interconnecting cable lengths.
PLUS CONCEPT is an innovative solution that is revolutionises the Welding Industry.
Now, high efficiency welding is possible with Gas Metal Arc Welding, Pulse Arc in standard applications.
The forced dynamism of the PLUS CONCEPT not only allows a higher quality of welding but it also achieves a fast transfer drop rate in the high frequency arc pool increasing weld speed by up to 45%. The high droplet rate enables the operator to increase the penetration of the weld.
Higher speed, increased penetration and less spatter mean less energy is used during the deposit and reduced deformation during welding.
The installation also has Double Pulse welding function and the settings of all parameters are extremely simple.
The Multi Plus range is extremely versatile offering the operator the choice of TIG, Pulsed TIG (Lift Arc ignition) and MMA (Stick), all with synergic programs installed as standard.

MAIN FEATURES

- Increased Welding Speed.
- Increased control of the deposit.
- Arc stability and control.
- Higher Penetration.
- Quality of the Deposit.
- Selecting Between manual set or synergistic Program.
- MIG/MAG mode with high speed program, already installed.
- Pulsed MIG/MAG mode with high efficiency fast pulse, already installed.
- MIG/MAG Double Pulsed, already installed.
- MMA (Stick) mode with synergic programs or manual set .
- Special program for spot welding.

MAIN FEATURES

- TIG Lift Arc welding with or without Slopes up and Slopes down.
- Pulsed TIG Lift Arc welding with or without Slopes up and Slopes down.
- Possibility, in Set manual, to change all the parameters of MIG/MAG - TIG – MMA (Stick) cycle.
- Full digital control of cycle.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	MULTI PLUS 500F
CODE	V0058AA
POWER SUPPLY (+15% / -15%)	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	38A
EFFECTIVE INPUT CURRENT (I1 EFF.)	25A
RATED POWER (MMA (STICK)) KVA	26KVA
PERMANENT POWER 100% (MMA (STICK)) KVA	17.3KVA
	TIG
REGULATION FIELD IN TIG MODE (A)	10A - 500A
RATED SECONDARY CURRENT (40°C)	500A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	380A
NO LOAD VOLTAGE	15V
	MIG
REGULATION FIELD IN MIG-MAG MODE (A)	20A - 500A
RATED SECONDARY CURRENT (40°C)	500A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	380A
NO LOAD VOLTAGE	65V
	MMA (STICK)
REGULATION FIELD IN STICK MODE (A)	20A - 500A
RATED SECONDARY CURRENT (40°C)	500A (ED=60%)
PERMANENT SECONDARY CURRENT 100% (A)	380A
NO LOAD VOLTAGE	VRD OFF 65V - VRD ON 15V
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
HOT START	YES
ANTI STICKING	YES
ARC FORCE	YES
TIG IGNITION	LIFT ARC
REMOTE CONTROL RECEPTACLE	YES (ANALOG OR DIGITAL)
REMOTE CONTROL	OPTIONAL (ANALOG OR DIGITAL)
WATER COOLER UNIT	OPTIONAL
GAS BOTTLE TROLLEY	BUILT IN
EXTERNAL MIG/MAG WIRE FEEDER 4WD	BUILT IN
INTERCONNECTING CABLE 5M	BUILT IN
WIDTH-HEIGHT-LENGTH (MM)	610X1110X1000
WEIGHT (KG)	95KG

MULTI PLUS 500F

OPTIONAL

CODE	DESCRIPTION
V0028AA	TROLLEY BASIC (MULTI PLUS)
V0035AA	TROLLEY UR LIQUID COOLING SYSTEM (MULTI PLUS)
Z0060AA	EXTERNAL WIRE FEEDER LPM 300 - 15K WITH WHEELS AND SWIVEL SUPPORT (MULTI PLUS)
Z0083AA	CABLE ASSEMBLY 70Mm2 / LENGTH 5M
Z0159AA	CABLE ASSEMBLY 70Mm2 / LENGTH 10M
Z0185AA	CABLE ASSEMBLY 70Mm2 / LENGTH 15M
Z0397AA	CABLE ASSEMBLY 70Mm2 / LENGTH 20M
Z0260AA	CABLE ASSEMBLY 95Mm2 / LENGTH 5M
Z0261AA	CABLE ASSEMBLY 95Mm2 / LENGTH 10M
V0109AA	DIGITAL REMOTE CONTROL DRC WITHOUT CABLE (MULTI PLUS)
Z0395AA	DRC CABLE LENGTH 5M
Z0256AA	DRC CABLE LENGTH 10M
Z0257AA	DRC CABLE LENGTH 20M
Z0251AA	EARTH CABLE AND CLAMP 70Mm2 / 3,5M WITH PLUG 50
Z0255AA	STICK WELDING TORCH 50Mm2 / 4M WITH PLUG 50
Z0030AA	TIG TORCH BASIC 26 / 4M (TIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0031AA	TIG TORCH DIGIT 26 / 4M (TIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0246AA	TIG TORCH DIGIT SUPER18 / 4M (400A 100%) (TIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)
Z0275AA	MIG TORCH 250 / 4M (MIG STANDARD TORCH 1 SWITCH / AIR COOLED)
Z0191AA	MIG TORCH DIGIT 250A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / AIR COOLED)
Z0099AA	MIG TORCH 500 HC - 3 M (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0100AA	MIG TORCH 500 HC – 4 M / (MIG STANDARD TORCH 1 SWITCH / LIQUID COOLED)
Z0192AA	MIG TORCH DIGIT 550A / 3,5M (MIG SPECIAL TORCH WITH REMOTE CONTROL / LIQUID COOLED)

DIFFERENT CONFIGURATIONS TO MEET ALL NEEDS

COMPOSITION	
CODE	MODEL NAME
V0275AA	MULTI PLUS 500 BASIC
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	

COMPOSITION	
CODE	MODEL NAME
V0058AA	MULTI PLUS 500 F
INCLUDED:	
▪ MULTI-PROCESS WELDING SOURCE (WITHOUT TROLLEY)	
+ (V0028AA) TROLLEY BASIC (MULTI PLUS)	
+ (Z0060AA) EXTERNAL WIRE FEEDER LPM 300-15K WITH WHEELS & SWIVEL SUPPORT (MULTI PLUS)	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	

COMPOSITION	
CODE	MODEL NAME
V0079AA	MULTI PLUS 500 FW
INCLUDED	
▪ (V0032AA) MULTI-PROCESS WELDING EQUIPMENT WITH INTEGRATED WIRE FEEDER 4WD	
+ (V0035AA) TROLLEY UR LIQUID COOLING SYSTEM (MULTI PLUS)	
+ (Z0060AA) EXTERNAL WIRE FEEDER LPM 300-15K WITH WHEELS & SWIVEL SUPPORT (MULTI PLUS)	
+ (Z0083AA) CABLE ASSEMBLY 70MM2 / LENGTH 5M	


Plasma Cut 100P


ter welding
TRP
RILAND
Plasma Cut
Cutting Solutions

PLASMA SITE CUT 10

DESCRIPTION

Portable inverter Plasma cutting system, 230Vac single phase. The Site Cut 10 is a portable inverter Plasma cutting system, complete with an integral Compressor making this ideal for site work.
A 230Vac single phase, fan-cooled Plasma Cutting System, which operates without HF pilot arc striking.
This source grants outstanding plasma cutting performance and is a must for sheetmetal contractors, fabricators & professional services. Ideal on steel construction sites, plumbing, automotive repair and farm maintenance.
Excellent cut quality on mild steel, galvanized, stainless, copper and aluminium.
Site Cut 10 generator does not work with high-frequency arc ignition it uses HF technology with BACK STRIKING system.
Suitable for generator power supply.

MAIN FEATURES

Equipped with an internal compressor.
Start arc with special pneumatic cycle system to avoid disturbing other equipment.
Function Post Gas for effective cooling of the cutting torch.
Automatic shutdown of the Post Gas for a quick re-start of the arc.
Safety contacts on the head of the torch, to ensure removal of parts safely.
Control pilot arc less than 10 A, to facilitate the cutting of the overlapped sheets .
Supplied complete with Torch PT-25

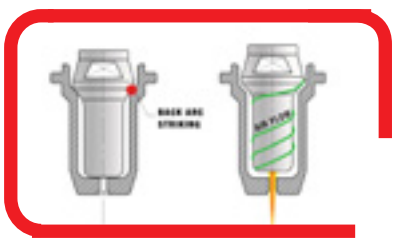
TECHNICAL DATA	DESCRIPTION
DESCRIPTION	PLASMA SITE CUT 10
CODE	V0266AA
POWER SUPPLY	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	16A
RATED POWER (40% ED)	3,6KVA
CURRENT RANGE	8-25A
MAX NO LOAD VOLTAGE	320V
ED AT 40°C	40%
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	214X409X425
WEIGHT (KG)	18,8KG

CUTTING PERFORMANCE

	RECOMMENDED (mm)	MAXIMUM (mm)	SEVERANCE (mm)
MILD STEEL	6mm	10mm	12mm
STAINLESS STEEL	6mm	10mm	12mm
ALUMINIUM	6mm	10mm	12mm

cutting
Stand off

grating



OPTIONAL

CODE	DESCRIPTION
Z0292AA	EARTH CABLE AND CLAMP 10mm2 / 3m WITH PLUG 25
Z0011AA	COMPASS FOR PLASMA CUTTING TORCH PT-25

PLASMA P-TRONIC 40P

DESCRIPTION

The P-Tronic 40P is a portable 230V ac single phase fan cooled inverter plasma cutting system without HF pilot arc striking. This Plasma Cutter grants outstanding plasma cutting performances and value to fabricators, steel constructions, plumbing, automotive repair. Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper, etc.

The P-Tronic range allows you to choose between three different types of cutting:

standard cutting, gouging, and a special cycle for the cutting of sheet metal grills.

Fits directly to any Compressed air source. The P-Tronic has its own Air regulator and filter fitted to the rear of the machine.

P-Tronic 40P does not need high-frequency arc ignition: it uses the no HF technology with BACK STRIKING system. This system of striking is ideal when working in Petrochemical plants and Gas installations.

MAIN FEATURES

Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper.
Continuous adjustment of cutting current.
No HF system, that can damage or interfere with electronics.
Pilot arc control facilitates un-interrupted cutting on expanded metal or grating.
Post-flow cooling provides torch cooling after the cut for a longer torch life.
Automatic post-flow stop for rapid re-striking.
Safety pins deactive the torch when consumables are removed.
The P-Tronic 40P plasma cutting source, is supplied complete of our torch PT-80 (length 6m).
External pressure reducer with filter included.
Manometer for the reading of the air pressure, installed on the front panel.
This plasma cutting source is also suitable for working with gouging process or with grating process.
Smaller, lighter and portable, this equipment is protected by a solid plastic casing.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	P-TRONIC 40P
CODE	V0042AA
POWER SUPPLY (-10% / +15%)	230V 1PH 50/60 HZ
FUSES (TIME DELAY)	T30A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	24A
RATED POWER (40% ED)	5.5KVA
CURRENT RANGE	20 – 40A
MAX NO LOAD VOLTAGE	260V
ED AT 40°C	40%
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	194X310X450
WEIGHT (KG)	10,1 KG

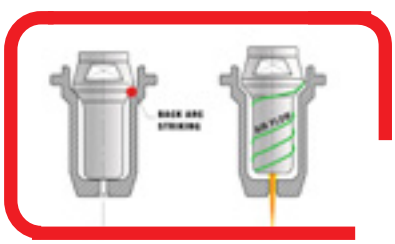
CUTTING PERFORMANCE

	RECOMMENDED (mm)	MAXIMUM (mm)	SEVERANCE (mm)
MILD STEEL	12mm	18mm	22mm
STAINLESS STEEL	10mm	15mm	18mm
ALUMINIUM	10mm	15mm	18mm

cutting
Stand off

gouging

grating



OPTIONAL

CODE	DESCRIPTION
Z0292AA	EARTH CABLE AND CLAMP 10mm2 / 3m WITH PLUG 25
Z0134AA	COMPASS FOR PLASMA CUTTING TORCH PT-80

PLASMA P-TRONIC 70

DESCRIPTION

The P-Tronic 70P is a portable 400V ac three phase, fan cooled inverter plasma cutting system without HF pilot arc striking.
This Plasma Cutter grants outstanding plasma cutting performances and value to fabricators, steel constructions, plumbing, automotive repair. Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper, etc.
The P-Tronic range allows you to choose between three different types of cutting:
standard cutting, gouging, and a special cycle for the cutting of sheet metal grills.
Fits directly to any Compressed air source. The P-Tronic has its own Air regulator and filter fitted to the rear of the machine.
P-Tronic 40P does not need high-frequency arc ignition: it uses the no HF technology with BACK STRIKING system. This system of striking is ideal when working in Petrochemical plants and Gas installations.

MAIN FEATURES

Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper.
Continuous adjustment of cutting current.
No HF system, that can damage or interfere with electronics.
Pilot arc control facilitates un-interrupted cutting on expanded metal or grating.
Post-flow cooling provides torch cooling after the cut for a longer torch life.
Automatic post-flow stop for rapid re-striking.
Safety pins deactive the torch when consumables are removed.
The P-Tronic 70 plasma cutting source, is supplied complete of our torch PT-80 (length 6m), with centralized connector.
Pressure regulator integrated within the source.
Pressure adjustment knob, installed on the front panel.
Manometer for the reading of the air pressure, installed on the front panel.
This plasma cutting source is also suitable for working with gouging process or with grating process.
Control pilot arc less than 10 A, to facilitate the cutting of the overlapped sheets

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	P-TRONIC 70
CODE	V0082AA
POWER SUPPLY (-10% / +15%)	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T16A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	16A
RATED POWER (60% ED)	11KVA
CURRENT RANGE	20 – 70A
MAX NO LOAD VOLTAGE	280V
ED AT 40°C	60%
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	345X370X560
WEIGHT (KG)	30,4 KG

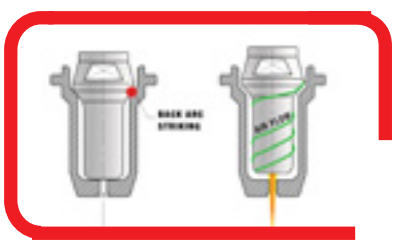
CUTTING PERFORMANCE

	RECOMMENDED (mm)	MAXIMUM (mm)	SEVERANCE (mm)
MILD STEEL	20mm	25mm	30mm
STAINLESS STEEL	15mm	18mm	20mm
ALUMINIUM	17mm	20mm	25mm

cutting
Stand off

gouging

grating



OPTIONAL

CODE	DESCRIPTION
Z0292AA	EARTH CABLE AND CLAMP 10mm2 / 3m WITH PLUG 25
Z0134AA	COMPASS FOR PLASMA CUTTING TORCH PT-80
Z0144AB	PLASMA TORCH PTM100 / 12m FOR P-TRONIC 70 (MECHANIZED APPLICATIONS)

PLASMA P-TRONIC 100

DESCRIPTION

The P-Tronic 100 is a portable 3 Phase 400V fan cooled inverter plasma cutting system, without HF pilot arc striking.
This Plasma Cutter grants outstanding plasma cutting performances and value to fabricators, steel constructions, plumbing, automotive repair. Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper, etc.
The P-Tronic range allows you to choose between three different types of cutting:
standard cutting, gouging, and a special cycle for the cutting of sheet metal grills.
Direct fitting to any external compressed air source, the pressure regulator is integrated within the machine.
P-Tronic 100 does not work with high-frequency arc ignition: it uses the no HF technology with BACK STRIKING system.
This system of striking is ideal when working in Petrochemical plants and Gas installations.

MAIN FEATURES

Excellent cut quality on mild steel, galvanized, stainless, aluminium, copper.
Continuous adjustment of cutting current.
No HF system, that can damage or interfere with electronics.
Pilot arc control facilitates un-interrupted cutting on expanded metal or grating.
Post-flow cooling provides torch cooling after the cut for a longer torch life.
Automatic post-flow stop for rapid re-striking.
Safety pins deactive the torch when consumables are removed.
The P-Tronic 100 plasma cutting source, is supplied complete of our torch PT-100 (length 6m), with centralized connector.
Pressure regulator integrated within the source.
Pressure adjustment knob, installed on the front panel.
Manometer for the reading of the air pressure, installed on the front panel.
This plasma cutting source is also suitable for working with gouging process or with grating process.
Control pilot arc less than 10 A, to facilitate the cutting of the overlapped sheets.
Source with wheels.

TECHNICAL DATA	DESCRIPTION
DESCRIPTION	P-TRONIC 100
CODE	V0059AA
POWER SUPPLY (-10% / +15%)	400V 3PH 50/60 HZ
FUSES (TIME DELAY)	T25A
MAX INPUT RATED SUPPLY CURRENT (I1 MAX)	28A
RATED POWER (60% ED)	23KVA
CURRENT RANGE	20 – 100A
MAX NO LOAD VOLTAGE	310V
ED AT 40°C	60%
OVERLOAD PROTECTION	THERMAL
PROTECTION CLASS	IP21S
INSULATION CLASS	H
DIMENSIONS : WIDTH-HEIGHT-LENGTH (MM)	345X610X600
WEIGHT (KG)	43,7 KG

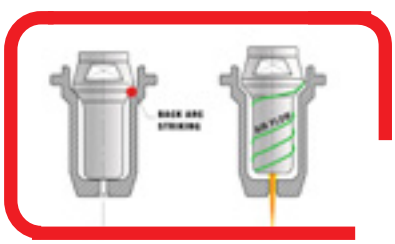
CUTTING PERFORMANCE

	RECOMMENDED (mm)	MAXIMUM (mm)	SEVERANCE (mm)
MILD STEEL	30mm	35mm	40mm
STAINLESS STEEL	20mm	25mm	30mm
ALUMINIUM	25mm	30mm	35mm

cutting
Stand off

gouging

grating



OPTIONAL

CODE	DESCRIPTION
Z0292AA	EARTH CABLE AND CLAMP 10mm2 / 3m WITH PLUG 25
Z0143AA	COMPASS FOR PLASMA CUTTING TORCH PT-80
Z0098AA	PLASMA TORCH PTM100 / 6m FOR P-TRONIC 100 (MECHANIZED APPLICATIONS)
Z0144AA	PLASMA TORCH PTM100 / 12m FOR P-TRONIC 100 (MECHANIZED APPLICATIONS)

NOTE

NOTE

NOTE

GENERAL TERMS AND CONDITIONS OF SALE

Unless otherwise agreed in writing between the parties, the present conditions of sale invalidate and supersede and govern all prior sales between TER SrL and any Customer and supersedes any other applicable provision of the present models or documents of the customer.

Art. 1

Products: The delivery of catalogues and price lists do not constitute a formal offer by TER SrL which remains free to schedule any changes to them without prior notice. Any technical data of products (current absorption, electrical power absorbed and yields, weights, volumes, etc..) Contained in the artwork of TER SrL, such as catalogues, drawings, monographs, price lists is to be considered purely indicative and not binding on TER SrL. The product documentation such as instruction manuals, drawings, pictures and illustrations in general are the sole property TER SrL and can not be modified or copied by anyone. TER s.r.l reserve the right to make any technical changes to its products. The Customer shall have no right of compensation, in any form, as a result of these technical amendments to the products.

Art. 2

Prices: The prices of TER s.r.l products are never inclusive of taxes, fees, installation costs, freight, postage and packaging and are always intended for returned products Ex Works warehouse TER SrL 36030 Caldogno (VI), via G. Leopardi 13.

Art. 3

Orders: orders for products TER s.r.l made by customers should always be in writing and sent by Mail, Fax or Mail. The sending of an order by a Customer, to TER SrL, while binding on the customer, is always subject to final approval by TER SrL who has the power to reject it within 15 days of receipt.

Art. 4

Payment Terms: Except as may be otherwise agreed in writing between the parties, payment of the price of the products is always to be considered the date of the invoice issued by TER SrL.

Art. 5

Private property: TER s.r.l reserves, items that were sold, the right of property in accordance with Articles 1523 and following of the Civil Code, until full payment of the price. The payment of allowances by way of payment of the price do not release the buyer if not with the actual payment of the same. The buyer is obliged:

a) to put it to good use, according to their destination.

b) not to remove them from your home or acquired without prior written permission of TER SrL.

In order to ascertain compliance with the commitments set out above, TER SrL may order inspections at any time of its own representatives to the premises. The Customer will answer for things bought for theft, fire or other accident.

Art. 6

Termination of the contract of sale: the failure to pay an amount greater than the eighth part of the price and non-compliance with the obligations laid down in this Act will produce ipso jure termination of the contract of sale and the consequent right to TER SrL to demand immediate payment of all installments, including non-expired, or the immediate return of the things sold. In this case, the buyer agrees to immediately return the things you buy, the amounts already paid in payment of the price shall remain vested in TER SrL as compensation for the use and depreciation of objects, and this without prejudice to any additional responsibilities.

Art. 7

Yield: Unless otherwise agreed, the yield is always intended warehouse TER SrL.

Art. 8

Shipping: shipments are made on the basis of precise instructions of the customers. In the absence of these TER s.r.l proceed with the shipment leveraging its industry expertise and the resources available. However, goods always travel at the risk of the customer.

Art. 9

Order Fulfillment: delivery times are indicative and not binding in any way the TER SrL. After fifteen (15) days of receipt of the goods (see date of invoice or delivery note), we do not accept claims or objections. These in any case must be notified by registered letter.

Art. 10

Packaging: Should it be necessary at the time of shipment the use of packaging, they will be billed at cost and added to the invoice for the goods.

Art. 11

Return of materials: the returns of any kind on the part of customers, including equipment made for repairs, even if under warranty, should always be made in port. Its repayment by TER s.r.l will be freight collect.

Art. 12

Registration: where it is necessary to record this Act, as a result of laws or because of the failure of the purchaser, stamp duties and registration fees, and related penalties, shall be borne by the buyer. Any disputes which may arise between the parties does not constitute a valid reason to pause and defer payments.

Art. 13

Warranty: The warranty of the new merchandise is sold for a period of one year, in respect of the goods used the warranty will be fixed from time to time by the TER SrL and reported under the list of the material sold. The goods to be repaired under warranty must be sent to TER SrL in accordance with the provisions of art. 11 "Returns of material" of this document. The warranty does not apply to parts subject to normal wear such as, but not limited to: welding torches and parts, ground wire, pipes, wiring harnesses, connectors, fuses, wire feeder gear motors and parts, plugs and sockets etc..

Repairs carried out under the guarantee scheme does not involve the extension of the warranty.

In case of injury to persons or damage to property due to defects or defects covered by the warranty, TER SrL shall be liable only to the extent of the price paid for the product itself. In addition to that described here, TER s.r.l does not provide any warranty for its products, in particular, does not compensate for damage Loss or loss of production.

Art. 14

Any dispute arising from the interpretation and/or execution of the contract, shall be the Court of Vicenza. It will still be entitled TER s.r.l also act in different holes.

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