



DIGITAL WELDING CATALOGUE V1 2019

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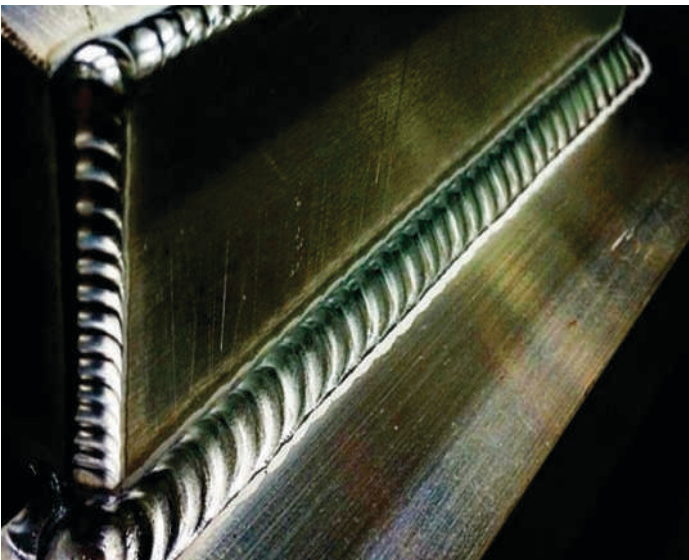
The Digital Pioneer in **WELDING TECHNOLOGY**



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DIGITAL INVERTER MMA WELDING MACHINE

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PRIMIARC 328 VRD

Industrial MMA welder



- Capable for welding with long cables, up to 100+100 meters and return cables.
- Suitable for all types of electrodes including cellulosic.
- Smooth and stable arc with minimum spatter.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	12.1
Rated Input Current (A)	18.5
No-Load Voltage (V) (VRD-off)	67
Output Current Range (A)	20-300A
Arc Force (A)	0-100
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-4.0
Weight (Kg)	14.5
Dimension (mm)	450 x 220 x 343

DIGITAL INVERTER MMA WELDING MACHINE

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PRIMIARC 408 VRD

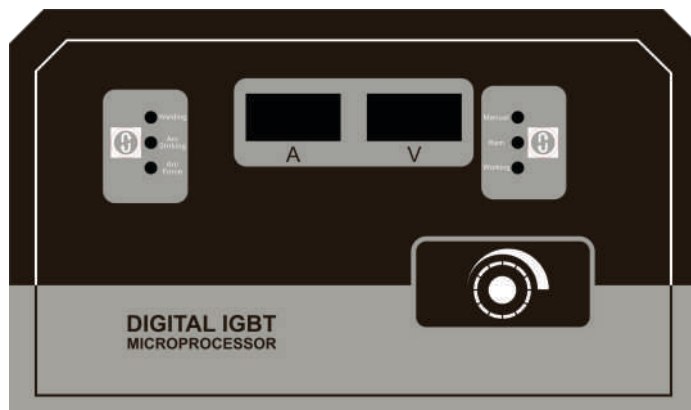
Digital Industrial MMA Welder



- Microprocessor control, simple operation, more perfect welding performance.
- Provides quick, direct connection to remote controls and switches
- The unique air duct design, failure rate greatly reduced, extending the service life of the machine.
- Suitable for all types of electrodes including cellulosic.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

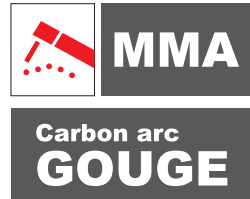
Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	18.2
Rated Input Current (A)	27.6
No-Load Voltage (V) (VRD-off)	67
Output Current Range (A)	20-400A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-5.0
Weight (Kg)	24
Dimension (mm)	515 x 280 x 435

DIGITAL INVERTER MMA WELDING MACHINE

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PRIMIARC 508 VRD

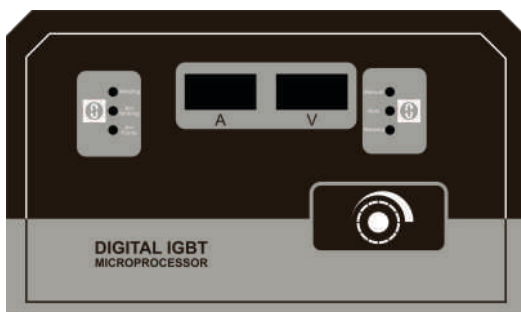
Digital Industrial MMA welder



- Comprehensive protecting function, with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design, failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 unit-control units, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- Designed for heavy duty stick welding needs. Whether you are using cellulose, low hydrogen, stainless steel or hardfacing electrode, it can produce a smooth, quality arc for consistent results day-in and day-out.
- Arc gouge with the carbon electrode.
- Easy to operate-Microprocessor panel control makes procedure setting simple and easy.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

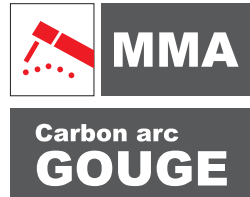
Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	25.3
Rated Input Current (A)	38.4
No-Load Voltage (V) (VRD-off)	74
Output Current Range (A)	20-500A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-6.0
Weight (Kg)	38.5
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER MMA WELDING MACHINE

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PRIMIARC 630 VRD

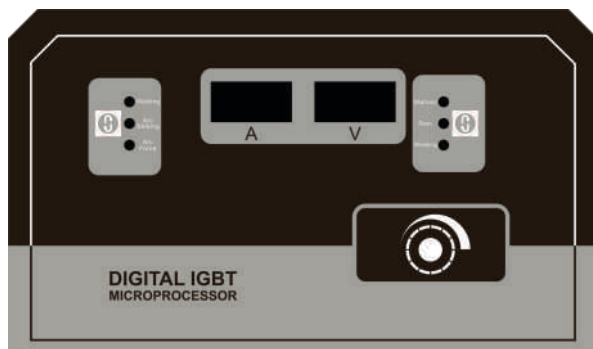
Digital Industrial MMA Welder



- Comprehensive protecting function, with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- Designed for heavy duty stick welding needs. Whether you are using cellulose, low hydrogen, stainless steel or hardfacing electrode, it can produce a smooth, quality arc for consistent results day-in and day-out.
- Easy to operate-Microprocessor panel control makes procedure setting simple and easy.
- Arc gouge with the carbon electrode.
- Built-in VRD

Package includes:

- Inverter power source
- 2m electrode holder & cable
- 2m earth clamp & cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	36
Rated Input Current (A)	44
No-Load Voltage (V) (VRD-off)	77
Output Current Range (A)	20-630A
Arc Force (A)	20-150
Duty Cycle (%)	60% @ 40°C
Welding Electrode Size (mm)	2.5-6.0
Weight (Kg)	43
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER MIG/MMA WELDING MACHINE

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MIGARC 200

Digital Synergic MIG/MMA Welding Machine

- Single phase, portable, fan-cooled digital inverter welding machine
- Microprocessor operation panel which brings much more simple & precise control & performance
- Much compact design with light weight but higher duty cycle.
- With Synergic control which ensures a much simple & smart welding operation
- Programmable 9 welding models in memory for easy welding setting



Package includes:

- Inverter power source
- MB15 Torch
- 2m earth cable



Technical Data	MIG	MMA	LIFT TIG
Input Power Voltage (V)	AC 220V +- 15%, 1PH		
Input Voltage Frequency (Hz)	50/60		
Rated Input Power Capacity (KVA)	6	5.4	3.3
Rated Input Current (A)	27	24.5	15
No-Load Voltage (V)	52		
Output Current Range (A)	20-200A	20-160A	20-160A
Duty Cycle (%)	60% @ 40°C		
Welding Wire Size (mm)	0.6-1.0		
Welding Electrode size (mm)		2.0-3.2	1.6-2.0
Weight (Kg)	13		
Dimension (mm)	525 x 380 x 380		

DIGITAL INVERTER MIG/MAG WELDING MACHINE

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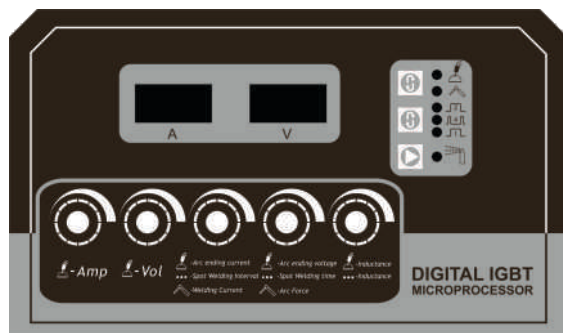
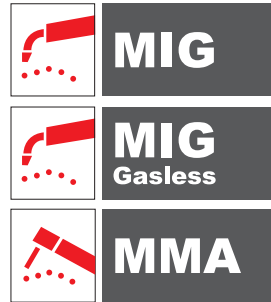
DIGIMIG 275

Digital MCU MIG/MMA welding machine

- Microprocessor operation panel which brings much more simple and precise control and performance.
- Portable, function of MMA and MIG, workable for 300mm coil which can be well protected internally.
- Much compact design with light weight but higher duty cycle.
- With arc ending & spot welding, deep molten puddle, less spatter.

Package includes:

- Inverter power source
- MB25 Torch 3m
- 2m earth cable
- Argon flowmeter



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	8.4	9.5
Rated Input Current (A)	38	43
No-Load Voltage (V)	52	
Output Current Range (A)	20-250A	
Duty Cycle (%)	60% @ 40°C	
Welding Wire Size (mm)	0.6-1.0	
Welding Electrode size (mm)		2.5-4.0
Weight (Kg)	20	
Dimension (mm)	622 x 280 x 450	

DIGITAL INVERTER MIG/MAG WELDING MACHINE

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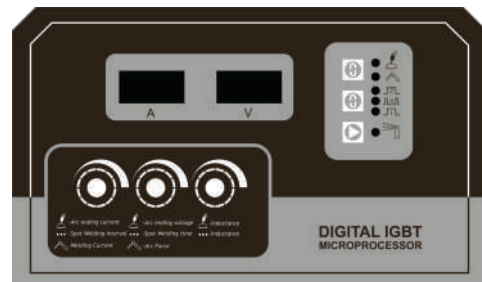
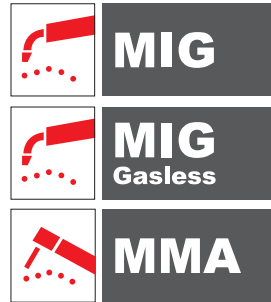
PRIMIMIG 550

Digital Microprocessor MIG/MMA welding machine

- Compact design: trolley, water tank, power source can be selected according to applications.
- With Synergic control which ensures a much simple & smart welding operation
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.

Package includes:

- Inverter power source
- Double drive wire feeder
- MB40 torch 3m
- 2m earth cable
- Argon flowmeter



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 380V +- 15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	24.6	25.3
No-Load Voltage (V)	74	
Output Current Range (A)	20-500A	
Pre-Flow (S)	0-2	
Post-Flow (S)	0-2	
Duty Cycle (%)	60% @ 500A, 100% @ 387A	
Welding Wire Size (mm)	0.6-1.6	
Welding Electrode size (mm)		2.5-6.0
Weight (Kg)	40	
Dimension (mm)	622 x 280 x 480	

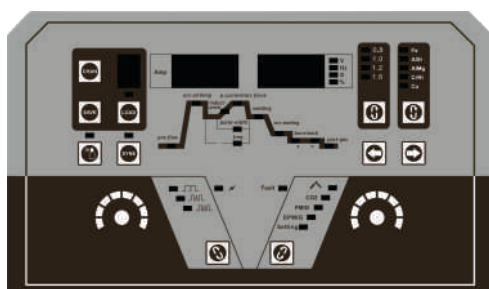
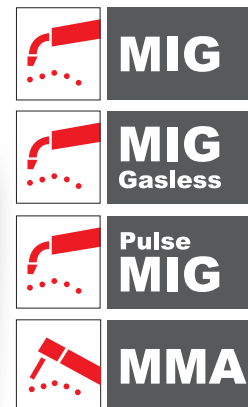
DIGITAL INVERTER MIG/MAG WELDING MACHINE

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PRIMIMIG 555DP

Digital Double Pulse MIG/MMA welding machine

- Aluminum pulse process, outstanding welding performance for Al welding.
- Single pulse, double pulse, MIG/MMA 3 in 1
- Delivers a stacked dime appearance during aluminum welding.
- Including sets of expert welding parameter, can save 10 sets programs.
- Intelligent Synergic control makes all the jobs become easy with sets of expert welding parameters stored.
- Inverter frequency can be up to 66 KHz which ensures much more smooth and stable arc.
- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.



Package includes:

- Inverter power source
- Water cooled double drive wire feeder
- MB501 water cool torch 3m
- 2m earth cable
- Argon flowmeter
- Heavy duty water cooler
- Heavy duty trolley



Technical Data	MIG	MMA
Input Power Voltage (V)	AC 380V+-15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	24.6	25.3
No-Load Voltage (V)	81	
Output Current Range (A)	20-500A	
Pre-Flow (S)	0-5	
Post-Flow (S)	0-5	
Duty Cycle (%)	60% @ 500A, 100% @ 387A	
Welding Wire Size (mm)	0.6-1.6	
Welding Electrode size (mm)		2.5-6.0
Weight (Kg)	40	
Dimension (mm)	622 x 280 x 480	

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 60i

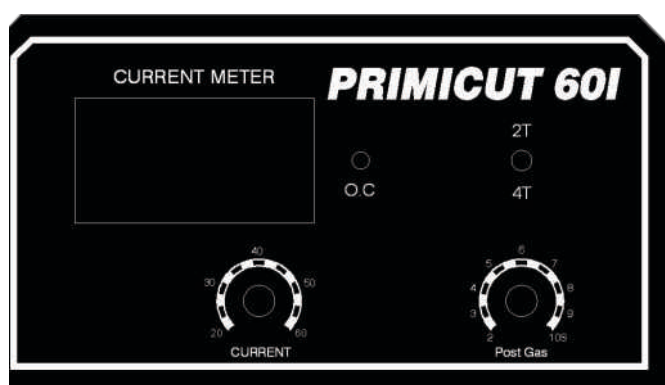
Digital Microprocessor Air Plasma Cutting Machine



- Microprocessor operation panel which brings much more simple and precise control and performance.
- With 2T/4T and post gas adjustment to meet different cutting demand.
- Narrow cutting seam, smooth appearance, less transmutation
- Compatible with network or generator use
- Auto-protection against over voltage and over heat

Package includes:

- Inverter power source
- AG60 5m torch
- Air regulator (water trap)
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 220V +- 15%, 1PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	7.9
Rated Input Current (A)	35.9
No-Load Voltage (V)	264
Output Current Range (A)	20-60A
Recommended cut capacity (mm)	20
Serverance cut capacity (mm)	25
Duty Cycle (%)	60%@40°C
Weight (Kg)	18
Dimension (mm)	450x220x345

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 100C

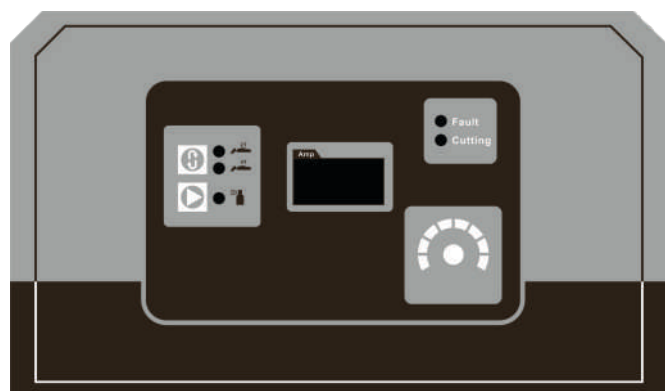
Digital Microprocessor Air Plasma Cutting Machine



- Microprocessor operation panel which brings much more simple and precise control and performance.
- With 2T/4T and post gas adjustment to meet different cutting demand.
- Narrow cutting seam, smooth appearance, less transmutation
- Compatible with network or generator use
- Auto-protection against over voltage and over heat

Package includes:

- Inverter power source
- P80 5m torch
- Air regulator (water trap)
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	15.1
Rated Input Current (A)	23
No-Load Voltage (V)	285
Output Current Range (A)	5-100A
Air Pressure (Mpa)	0.6
Recommended Cut Capacity (mm)	30
Serverance Cut Capacity (mm)	40
Duty Cycle (%)	60%@40'C
Weight (Kg)	28.3
Dimension (mm)	500 x 280 x 435

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 120

Digital Microprocessor Air Plasma Cutting Machine

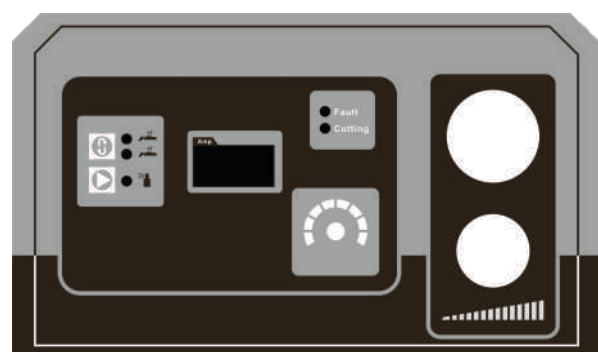


CNC

- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Simple control with microprocessor, high duty cycle and performance needed for tough industrial cutting jobs.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- With built-in gas regulator which is easier to set the air compressor.
- Adopting high voltage pulse design instead of general high frequency pulse which can smoothly work with CNC control without any interference.

Package includes:

- Inverter power source
- P80 5m torch
- Water trap
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	16.2
No-Load Voltage (V)	287
Output Current Range (A)	5-120A
Pre-Flow (S)	0.1-5 S
Post-Gas (S)	0-30 S
Recommended Cut Capacity (mm)	35
Serverance Cut Capacity (mm)	50
Duty Cycle (%)	60%@40°C
Weight (Kg)	38
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER PLASMA CUTTING MACHINE

Pinnacle

PRIMICUT 160

Digital Microprocessor Air Plasma Cutting Machine

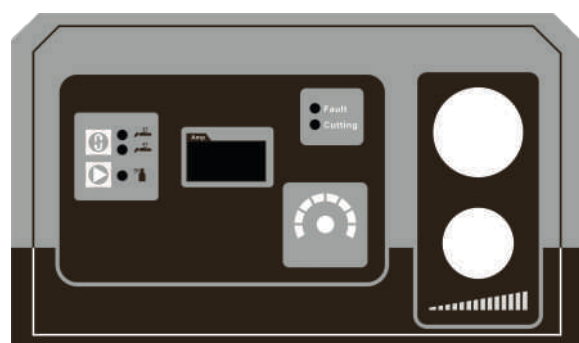


CNC

- Compact design: trolley, water tank, power source can be combined freely according to your need.
- Simple control with microprocessor, high duty cycle and performance needed for tough industrial cutting jobs.
- Comprehensive protecting function: with the protection of overvoltage, under voltage, default phase, against lightning stroke, overcurrent, over heat etc.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Unitization design: the machine consists of 4 units-control unit, input unit, inverter unit, output unit. Only need replace the related unit power board for maintenance, any professional debugging is unnecessary.
- With built-in gas regulator which is easier to set the air compressor.
- Adopting high voltage pulse design instead of general high frequency pulse which can smoothly work with CNC control without any interference.

Package includes:

- Inverter power source
- P150 5m torch
- Water trap
- 2m earth cable



Technical Data

Input Power Voltage (V)	AC 380V +- 15%, 3PH
Input Voltage Frequency (Hz)	50/60
Rated Input Power Capacity (KVA)	29.2
No-Load Voltage (V)	292
Output Current Range (A)	5-160A
Pre-Flow (S)	0.1-5 S
Post-Gas (S)	0-30 S
Recommended Cut Capacity (mm)	45
Serverance Cut Capacity (mm)	60
Duty Cycle (%)	60%@40°C
Weight (Kg)	50
Dimension (mm)	622 x 280 x 480

DIGITAL INVERTER

TIG/MMA/PULSE WELDING MACHINE

Pinnacle

PRIMITIG AC/DC 208P

Digital Multi Process AC/DC PULSE TIG/MMA Machine

- AC/DC TIG/MMA/Pulse 4 in 1, much compact design for hand carry.
- Microprocessor control: simple operation ,more perfect welding performance, 10 programs can be stored.
- Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Auto-protection against over voltage and under voltage, default phase, against lightning stroke, over current ,over heat etc.
- Compatible with network or generator use
- Different output wave to fulfill professional welding requirement.

Package includes:

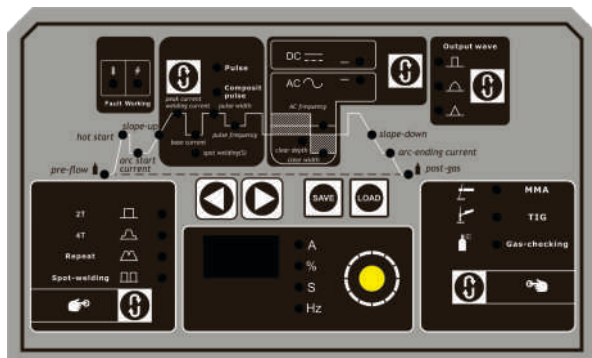
- Inverter power source
- WP-26 4m torch
- 2m earth cable
- Argon flowmeter

TIG

MMA

AC/DC

REMOTE CONTROL



Technical Data	TIG	MMA
Input Power Voltage (V)	AC 220V +- 15%, 1PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	4.6	7
No-Load Voltage (V)	60	
Output Current Range (A)	5-200A	40-200A
Pre-Flow (S)	0-10 S	
Post-Flow (S)	0-10 S	
Pulse Frequency (HZ)	0.1-20	
Duty Cycle (%)	60% @ 40°C	
Weight (Kg)	14	
Dimension (mm)	480 x 201 x 295	

DIGITAL INVERTER

TIG/MMA/PULSE WELDING MACHINE

Pinnacle

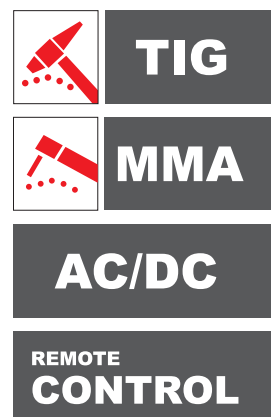
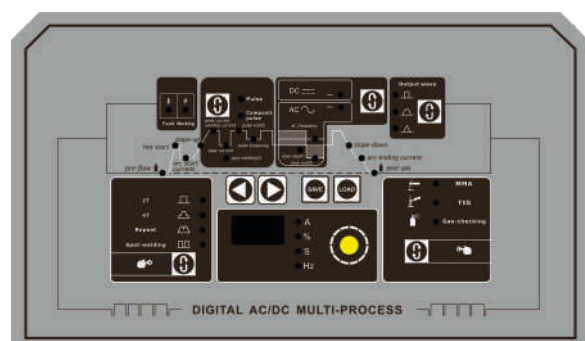
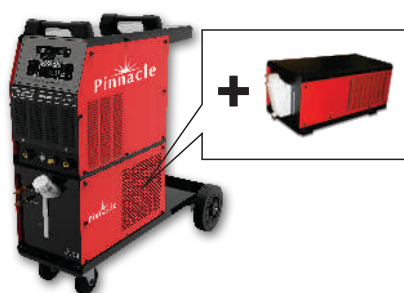
PRIMITIG AC/DC 318P

Digital Multi Process AC/DC PULSE TIG/MMA Machine

- AC/DC TIG/MMA/Pulse 4 in 1, much compact design for hand carry.
- Microprocessor control: simple operation ,more perfect welding performance, 10 programs can be stored.
- Pulsing adds arc stability, reduces heat input and warpage and can increase travel speeds.
- The unique air duct design: failure rate greatly reduced, extending the service life of the machine.
- Auto-protection against over voltage and under voltage, default phase, against lightning stroke, over current ,over heat etc.
- Compatible with network or generator use
- Different output wave to fulfill professional welding requirement.

Package includes:

- Inverter power source
- WP-26 4m torch
- 2m earth cable
- Argon flowmeter



Technical Data	TIG	MMA
Input Power Voltage (V)	AC 380V +- 15%, 3PH	
Input Voltage Frequency (Hz)	50/60	
Rated Input Power Capacity (KVA)	9	13
No-Load Voltage (V)	67	
Output Current Range (A)	5-315A	40-315A
Pre-Flow (S)	0-10 S	
Post-Flow (S)	0-10 S	
Pulse Frequency (HZ)	0.1-20	
Duty Cycle (%)	60%@40°C	
Weight (Kg)	26	
Dimension (mm)	515 x 280 x 435	

WATER COOLER

- Water cooler is integral with high temperature resistant material, put an end to slack phenomenon
- Proclined water filling and outfall design make the water run easier.
- Adopting the cooper high lift water pump especially designed for welding machines which can keep machines from rust and dirt. The pressure can be up to 3kg.
- Particular tunnel cooling design equipped with the cooper refrigerator which make the cooling capacity 30% higher than other similar cooler unit.
- European fast anti-leaking connector makes the operation easier and performance more reliable.



Sample Machines



Technical Data

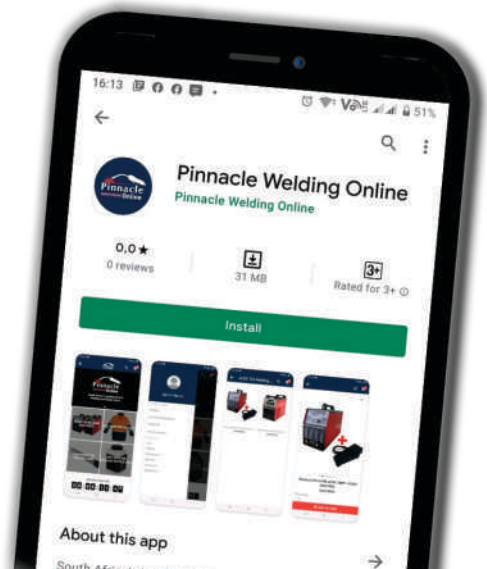
Power Voltage (V)	AC 380V +- 15%, 50Hz
Phase	1PH
Heat dissipation Capacity	1.5Kw (1L/min)
Power Capacity of Motor	370W
Max Pressure / Lift	0.3 Mpa/35m
Water Volume	10L
Operation Temperature	20°C - 60°C
Weight	15kg
Dimension (mm)	622 x 305 x 270



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DIGITAL WELDING



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