

GASLESS FLUX CORED WIRE INVERTER WELDING MACHINE WITH MMA

**PERFECT
POWER**



DIY



Flux cored
(gasless) wire
compatible



MMA



Lift TIG



Compact
and portable



Synergic



Direct torch
connector



Thermal
overload
protection



FC-120

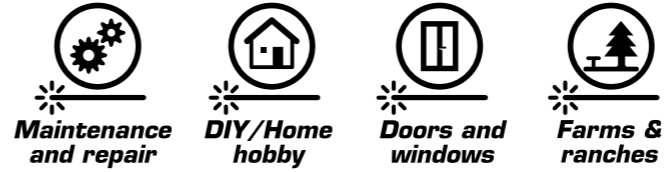
Features

- ★ Multi-function: Gasless flux cored wire welding, MMA and lift TIG.
- ★ Suitable for 1KG wire spool.
- ★ Compact design, lightweight, but robust.
- ★ User-friendly and cost effective.
- ★ Overload protection.
You can just plug and then weld with a complete accessory set : MIG torch, earth cable, welding mask and steel brush.

Perfect welding performance



Applications



Technical Data

Model	FC-120	FC-120
Power input AC(V)	1pH 220V ±15%	1pH 110V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	23	42
Rated output current(A)/voltage(V)	120/20.0 (MIG) 120/24.8 (MMA)	120/20.0(MIG) 120/24.8(MMA)
Welding current range(A)	30-120 (MIG) 20-120 (MMA)	30-120(MIG) 20-120(MMA)
Open circuit voltage DC(V)	60	60
Rated duty cycle(%)	60	60
IP grade	IP21	IP21
Insulation grade	H	H
N.W.(kg)	7.25	7.25
Dimensions(mm)	430*220*320	430*220*320

GAS/GASLESS MIG/MAG IGBT INVERTER WELDING MACHINE



MIG/MAG



MMA



Lift TIG



Flux cored (gasless) wire compatible



Compact and portable



Synergic



Thermal overload protection



MIG-140

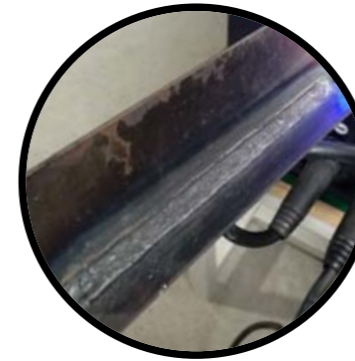


MIG-160

Features

- ★ Multi-function welding - MIG/MAG, LIFT TIG, MMA, FLUX CORED Wire welding.
- ★ 1KG/5KG wire spool capable.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.

Perfect welding performance



Applications



Maintenance and repair



Doors and windows



Farms & ranches



DIY/Home hobby



Vehicle maintenance



Steel fabrication and machining

Technical Data

Model	MIG-140	MIG-160
Power input AC(V)	1pH 220V ±15%	1pH 220V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	26	29
Rated output current(A)/voltage(V)	140/21.0 (MIG)	160/22.0 (MIG)
	140/25.6 (MMA)	160/26.4 (MMA)
Welding current range(A)	30-140 (MIG)	30-160 (MIG)
	20-140 (MMA)	20-160 (MMA)
Open circuit voltage DC(V)	60	60
Rated duty cycle(%)	60	60
IP grade	IP21	IP21
Insulation grade	H	H
N.W.(kg)	10.2	10.6
Dimensions(mm)	520*240*375	520*240*375

GAS/GASLESS DOUBLE PULSED MIG/MAG WELDING MACHINE



MIG/MAG



MMA



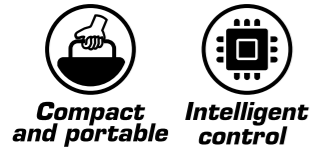
Lift TIG



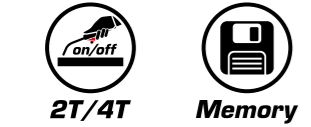
Flux cored (gasless) wire compatible



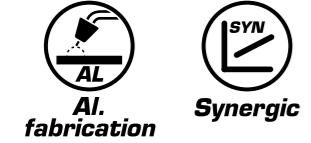
MIG-160P
MIG-180P



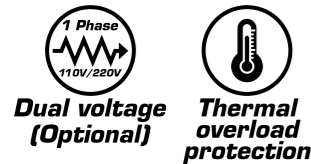
Compact and portable Intelligent control



2T/4T Memory



AI fabrication Synergic



Dual voltage (Optional) Thermal overload protection



MIG-200DP
Double pulsed Pulsed

Features

- ★ Multi-function welding - MIG/MAG, PULSED MIG, DOUBLE PULSED MIG, LIFT TIG, MMA, FLUX CORED Wire welding.
- ★ Digital controlled PULSED MIG and DOUBLE PULSED MIG for Aluminium welding(MIG-200DP).
- ★ 1KG/5KG wire spool capable.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.

Perfect welding performance



Applications



Technical Data

Model	MIG-160PS	MIG-160P	MIG-180PS	MIG-180P	MIG-200DP
Power input AC(V)	1pH 110/220V ±15%	1pH 220V ±15%	1pH 110/220V ±15%	1pH 220V ±15%	1pH 220V ±15%
Power input frequency(Hz)	50/60	50/60	50/60	50/60	50/60
Rated current input(A)	26(220V)42(110V)	26	29(220V)45(110V)	29	34
Rated output current(A)/voltage(V)	160/22.0(MIG,220V) 140/25.6(MMA,220V) 130/20.5(MIG,110V) 110/24.4(MMA,110V)	160/22.0(MIG) 140/25.6(MMA)	180/23.0(MIG,220V) 160/26.4(MMA,220V) 140/21.0(MIG,110V) 130/25.2(MMA,110V)	180/23.0(MIG) 160/26.4(MMA)	200/24.0(MIG) 180/27.2(MMA)
Welding current range(A)	30-160(MIG,220V) 20-140(MMA,220V) 30-130(MIG,110V) 20-110(MMA,110V)	30-160(MIG) 20-140(MMA)	30-180(MIG,220V) 20-160(MMA,220V) 30-140(MIG,110V) 20-130(MMA,110V)	30-180(MIG) 20-160(MMA)	30-200(MIG) 20-180(MMA)
Open circuit voltage DC(V)	62	62	62	62	62
Rated duty cycle(%)	60	60	60	60	60
IP grade	IP21	IP21	IP21	IP21	IP21
Insulation grade	H	H	H	H	H
N.W.(kg)	14.5	14.5	15	15	16
Dimensions(mm)	560*270*405	560*270*405	560*270*405	560*270*405	560*270*405

MIG/MAG IGBT INVERTER WELDING MACHINE



DIY



INDUSTRIAL USE



MIG/MAG



MMA



15KG Wire spool



Flux cored (gasless) wire compatible



2T/4T



VRD



Thermal overload protection



MIG-320



MIG-200

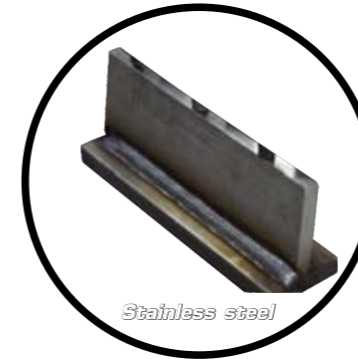


MIG-250

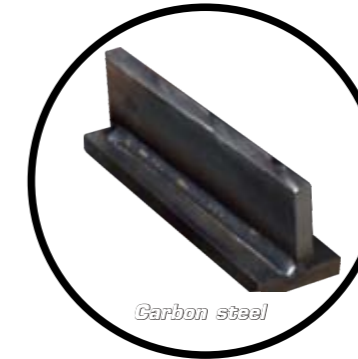
Features

- ★ Multi-function welding - MIG/MAG, MMA and FLUX CORED Wire welding.
- ★ Capable for 15kg and 5kg wire spool.
- ★ Professional MMA welding process with VRD function.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.

Perfect welding performance



Stainless steel



Carbon steel

Applications



Maintenance and repair



Doors and windows



Farms & ranches



Vehicle maintenance



Steel fabrication and machining

Technical Data

Model	MIG-200	MIG-250	MIG-250	MIG-320
Power input AC(V)	1pH 220V ±15%	1pH 220V ±15%	3pH 380V ±15%	3pH 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60	50/60
Rated current input(A)	43.6	58.4	14.4	18.5
Rated output current(A)/voltage(V)	200/24.0(MIG) 200/28.0(MMA)	250/26.5(MIG) 250/30.0(MMA)	250/26.5(MIG) 250/30.0(MMA)	320/31.5(MIG) 300/32.0(MMA)
Welding current range(A)	40-200(MIG) 30-200(MMA)	40-250(MIG) 30-250(MMA)	40-250(MIG) 30-250(MMA)	40-320(MIG) 30-300(MMA)
Open circuit voltage DC(V)	56	56	56	56
Rated duty cycle(%)	60	30	30	30
IP grade	IP21S	IP21S	IP21S	IP21S
Insulation grade	F	F	F	F
N.W.(kg)	21.3	21.3	21.3	24.8
Dimensions(mm)	550*310*535	550*310*535	550*310*535	550*325*605

MIG/MAG IGBT INVERTER WELDING MACHINE

**PERFECT
POWER**



**INDUSTRIAL
USE**



**Wide voltage range
3pH 220V/440V**



MIG/MAG



MMA



**15KG
Wire spool**



**Flux cored
(gasless) wire
compatible**



2T/4T



VRD



**Thermal
overload
protection**



**Wide voltage range
3pH/220V/440V**

MIG-250PRO



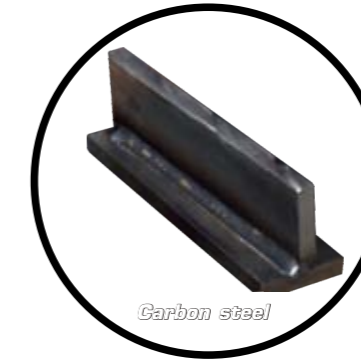
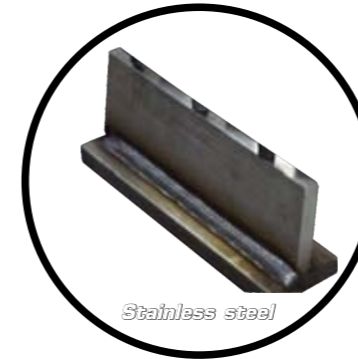
**Wide voltage range
3pH/220V/440V**

MIG-320PRO

Features

- ★ Multi-function welding - MIG/MAG, MMA and FLUX CORED Wire welding.
- ★ Capable for 15kg and 5kg wire spool.
- ★ Professional MMA welding process with VRD function.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.

Perfect welding performance



Applications



**Maintenance
and repair**



**Doors and
windows**



**Farms &
ranches**



**Vehicle
maintenance**



**Steel fabrication
and machining**

Technical Data

Model	MIG-250PRO	MIG-320PRO
Power input AC(V)	3pH 220V/440V ±15%	3pH 220V/440V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	25.2(220V), 12.4(440V)	25.2(220V), 15.9(440V)
Rated output current(A)/voltage(V)	200/24.0 (MIG,220V) 200/28.0 (MMA,220V) 250/26.5 (MIG,440V) 250/30.0 (MMA,440V)	200/24.0 (MIG,220V) 200/28.0 (MMA,220V) 320/30.0 (MIG,440V) 300/32.0 (MMA,440V)
Welding current range(A)	40-200 (MIG,220V) 30-200 (MMA,220V) 40-250 (MIG,440V) 40-250 (MMA,440V)	40-200 (MIG,220V) 30-200 (MMA,220V) 40-320 (MIG,440V) 40-300 (MMA,440V)
Open circuit voltage DC(V)	56	56
Rated duty cycle(%)	30	30
IP grade	IP21S	IP21S
Insulation grade	F	F
N.W.(kg)	21.3	24.8
Dimensions(mm)	550*310*535	550*310*535

MIG/MAG IGBT INVERTER WELDING MACHINE



- DIY**
- INDUSTRIAL USE**
- Wide voltage range 3pH 220V/440V**
- MIG/MAG**
- MMA**
- 15KG Wire spool**
- Flux cored (gasless) wire compatible**
- 2T/4T**
- Pulsed**
- VRD**
- AI fabrication**
- Thermal overload protection**
- Intelligent control**



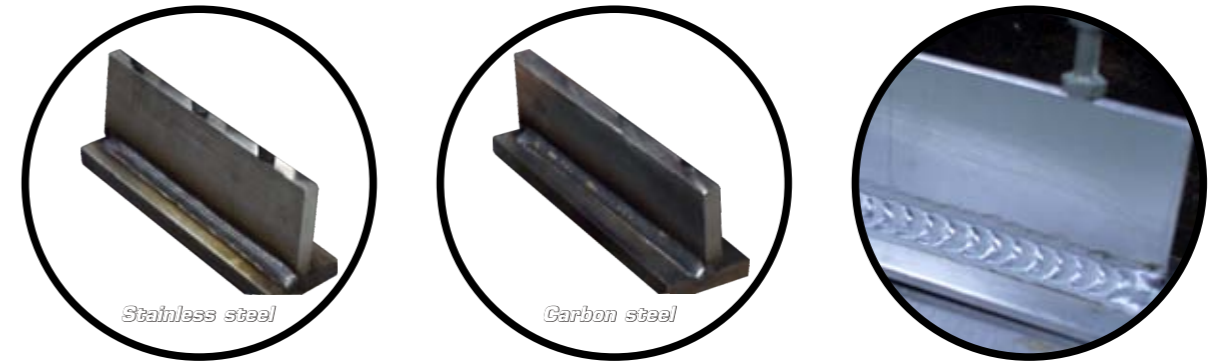
MIG-250P.PRO

MIG-320P.PRO

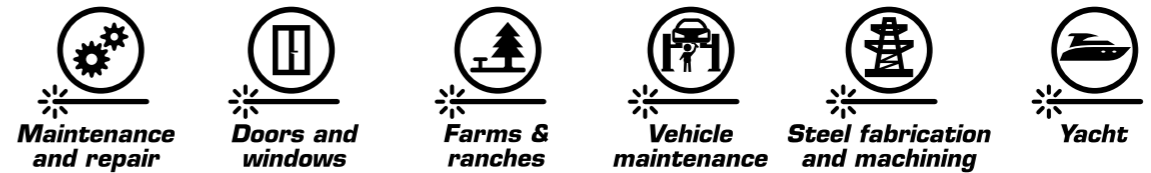
Features

- ★ 1. Multi-function welding - MIG/MAG, Pulsed MIG, MMA /TIG and FLUX CORED Wire welding.
- ★ 2. Pulsed function for Aluminium welding.
- ★ 3. Capable for 15kg and 5kg wire spool.
- ★ 4. Professional MMA welding process with VRD function.
- ★ 5. 2T/4T function.
- ★ 6. Stable arc with less spatter.
- ★ 7. Ideal for use in outdoor and indoor conditions.

Perfect welding performance



Applications



Technical Data

Model	MIG-250P.PRO	MIG-320P.PRO
Power input AC(V)	3pH 220V/440V ±15%	3pH 220V/440V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	25.2(220V), 12.4(440V)	25.2(220V), 15.9(440V)
Rated output current(A)/voltage(V)	200/24.0 (MIG,220V) 200/28.0 (MMA,220V) 250/26.5 (MIG,440V) 250/30.0 (MMA,440V)	200/24.0 (MIG,220V) 200/28.0 (MMA,220V) 320/30.0 (MIG,440V) 300/32.0 (MMA,440V)
Welding current range(A)	40-200 (MIG,220V) 30-200 (MMA,220V) 40-250 (MIG,440V) 40-250 (MMA,440V)	40-200 (MIG,220V) 30-200 (MMA,220V) 40-320 (MIG,440V) 40-300 (MMA,440V)
Open circuit voltage DC(V)	72	72
Rated duty cycle(%)	30	30
IP grade	IP21S	IP21S
Insulation grade	F	F
N.W.(kg)	21.3	24.8
Dimensions(mm)	550*310*535	550*310*535

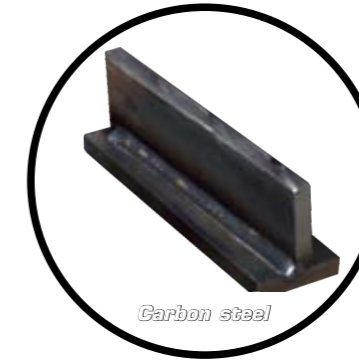
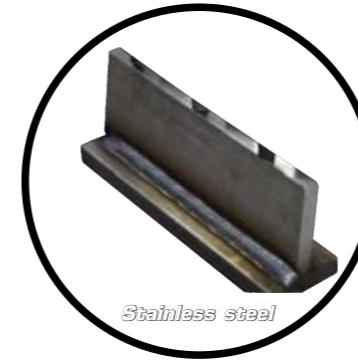
MIG/MAG IGBT INVERTER WELDING MACHINE



Features

- ★ Multi-function welding - MIG/MAG, LIFT TIG, MMA, Spool Gun and FLUX CORED Wire welding.
- ★ Capable for 15kg wire spool.
- ★ Professional MMA welding process with VRD function.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.
- ★ Standard equipped with cylinder rack.

Perfect welding performance



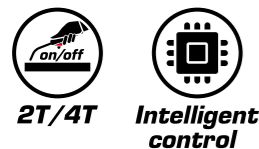
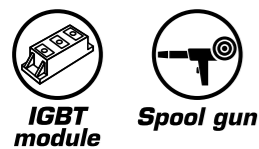
Applications



Technical Data

Model	MIG-200T	MIG-250T	MIG-250T
Power input AC(V)	1pH 220V ±15%	1pH 220V ±15%	3pH 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	37.4(MIG) 43.6(MMA) 28.0(TIG)	51.6(MIG) 58.4(MMA) 39.0(TIG)	13.0(MIG) 14.4(MMA) 10.0(TIG)
Rated output current(A)/voltage(V)	200/24.0(MIG) 200/28.0(MMA) 200/18.0(TIG)	250/26.5(MIG) 250/30.0(MMA) 250/20.0(TIG)	250/26.5(MIG) 250/30.0(MMA) 250/20.0(TIG)
Welding current range(A)	50-200(MIG) 25-200(MMA) 15-200(TIG)	50-250(MIG) 25-250(MMA) 15-250(TIG)	50-250(MIG) 25-250(MMA) 15-250(TIG)
Open circuit voltage DC(V)	56	56	56
Rated duty cycle(%)	60	60	60
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W.(kg)	43.5	49	55
Dimensions(mm)	1000*430*795	1000*430*795	1000*430*795

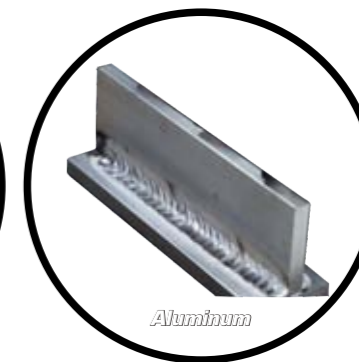
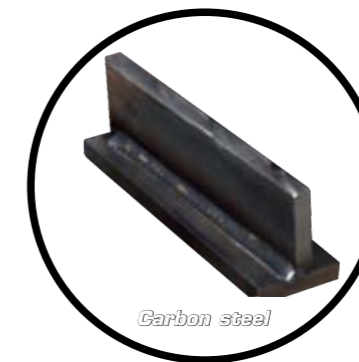
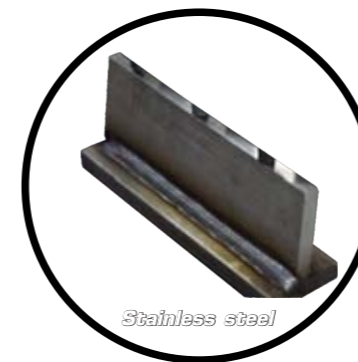
MIG/MAG IGBT INVERTER WELDING MACHINE



Features

- ★ Multi-function welding - MIG/MAG, LIFT TIG, MMA, Spool Gun and FLUX CORED Wire welding.
- ★ Capable for 15kg wire spool.
- ★ Professional MMA welding process with VRD function.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Ideal for use in outdoor and indoor conditions.
- ★ Standard equipped with cylinder rack.

Perfect welding performance



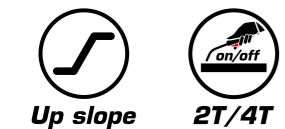
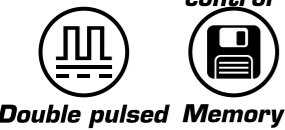
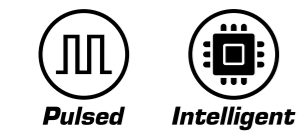
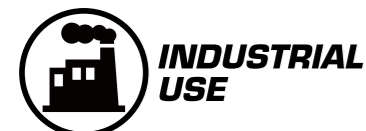
Applications



Technical Data

Model	MIG-300T	MIG-400T	MIG-500T
Power input AC(V)	3pH 380V ±15%	3pH 380V ±15%	3pH 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	17.0(MIG) 18.8(MMA) 12.7(TIG)	26.2(MIG) 27.7(MMA)	37.5(MIG) 38.4(MMA)
Rated output current(A)/voltage(V)	300/29.0(MIG) 300/32.0(MMA) 300/22.0(TIG)	400/34.0(MIG) 400/36.0(MMA)	500/39.0(MIG) 500/40.0(MMA)
Welding current range(A)	50-300(MIG) 25-300(MMA) 15-300(TIG)	50-400(MIG) 25-400(MMA)	50-500(MIG) 25-500(MMA)
Open circuit voltage DC(V)	56	62	73
Rated duty cycle(%)	60	60	60
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W.(kg)	52	52.5	63
Dimensions(mm)	1000*430*795	1000*430*795	1000*430*795

MIG/MAG IGBT INVERTER WELDING MACHINE



Spool gun (Optional)

STANDARD

Ideal for industry or workshop cylinder rack
MIG-230PLUS

ECONOMY

Ideal for industry or workshop use
MIG-230

MINI

Ideal for outdoor conditions
MIG-230MINI

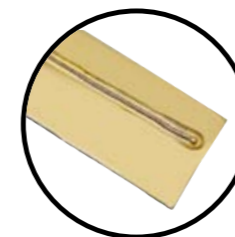
Features

- ★ Expert of welding thin metal material.
- ★ Patented digital control software technology.
- ★ Synergic function.
- ★ Inverter frequency: IGBT 35 kHz.
- ★ Welding parameters memoried function.
- ★ Overload protection & loss-phase and lack-voltage protection.
- ★ Could work with industrial robot via communication modules.
- ★ Welding process: MIG/MAG; pulsed MIG/MAG; double pulse MIG/MAG.

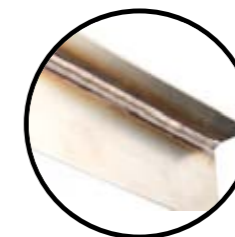
Suitable for different types of materials



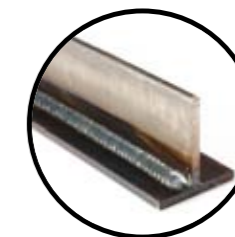
Aluminum
0.33-8mm



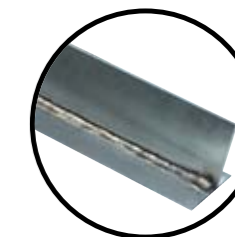
Copper
0.5-4mm



Stainless steel
0.5-4mm



Carbon steel
0.5-5mm



Galvanized sheet
0.5-5mm

Applications



Maintenance and repair



Vehicle maintenance



Doors and windows



Yacht



Farms & ranches



Steel fabrication and machining



Petroleum pipeline



Building and construction

Technical Data

Model	MIG-230PLUS	MIG-230	MIG-230MINI
Power input AC(V)	3pH /380V ±10% 1pH /220V ±10%	3pH /380V ±10% 1pH /220V ±10%	1pH/220V ±10%
Power input frequency (Hz)	50/60	50/60	50/60
Rated input capacity (kVA)	6.4	6.4	6.4
Rated current input (A)	29/9.4	29/9.4	29
Rated open circuit voltage DC(V)	65	65	65
Welding current range (A)	10-220	10-220	10-220
Rated duty cycle (60%/100%)	220A/170A	220A/170A	220A/170A
Welding wire diameter (mm)	Aluminum φ1.0/φ1.2 Other metals φ0.8/φ1.0	Aluminum φ1.0/φ1.2 Other metals φ0.8/φ1.0	Aluminum φ1.0/φ1.2 Other metals φ0.8/φ1.0
IP grade	IP 21	IP 21	IP 21
Insulation grade	F	F	F
Cooling method	Air cooling	Air cooling	Air cooling
Temperature in working environment	-15~40°C	-15~40°C	-15~40°C
Wire feed speed (m/min)	2-18	2-18	2-15
Efficiency (%)	85	85	85
Power factor (cosΦ)	0.93	0.93	0.93
N.W./G.W.(kg)	40/43	29/31	22/24
Packing dimensions (mm)	700*380*690	600*430*640	530*400*470

MIG/MAG IGBT INVERTER WELDING MACHINE



Separate Wire Feeder
Ideal for industry use
or workshop use
MIG-280

Ideal for industry use
or workshop use
MIG-280PLUS



Pulsed



Intelligent control



Double pulsed



Memory



Up slope



2T/4T



Down slope



AI fabrication



Synergic

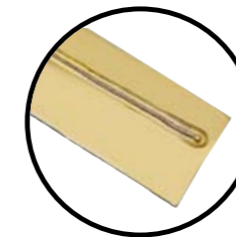
Features

- ★ Patented digital control software technology.
- ★ Synergic function.
- ★ Welding parameters memoried function.
- ★ Overload protection & loss-phase and lack-voltage protection.
- ★ Capable of both thin and moderately thick metal material welding.
- ★ Could work with industrial robot via communication modules.
- ★ Welding process: MIG/MAG; pulsed MIG/MAG; double pulse MIG/MAG.
- ★ High speed current capability achieves stable arc and high efficiency

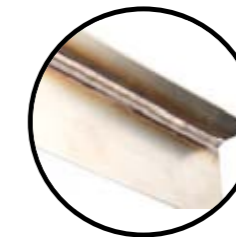
Suitable for different types of materials



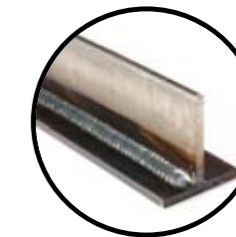
Aluminum
0.4-15mm



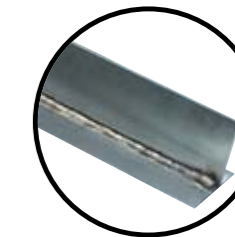
Copper
0.5-6mm



Stainless steel
0.5-6mm



Carbon steel
0.5-10mm



Galvanized sheet
0.5-10mm

Applications



Maintenance
and repair



Vehicle
maintenance



Doors and
windows



Yacht



Farms &
ranches



Steel fabrication
and machining



Petroleum
pipeline



Building and
construction

Technical Data

Model	MIG-280	MIG-280PLUS
Power input AC(V)	3PH /380V ±10% 1PH /220V ±10%	3PH /380V ±10% 1PH /220V ±10%
Rated input capacity (KVA)	9.2	9.2
Rated current input (A)	42/14	42/14
Rated open circuit voltage DC(V)	45	45
Welding current range (A)	25-250	25-250
Rated duty cycle (60%/100%)	250A/217A	250A/217A
Welding wire diameter (mm)	Aluminum φ1.0/φ1.2 Other metals φ0.8/φ1.0	Aluminum φ1.0/φ1.2 Other metals φ0.8/φ1.0
Insulation grade	F	F
IP grade	IP 21	IP 21
Efficiency (%)	85	85
Power factor (cosΦ)	0.93	0.93
N.W./G.W.(kg)	48/62 & 21/23	59/78
Packing dimensions (mm)	940*460*650 & 750*380*550	940*460*880

MIG/MAG IGBT INVERTER WELDING MACHINE



INDUSTRIAL USE



IGBT module



MIG/MAG



Flux cored (gasless) wire compatible



MMA



2T/4T Hot start



Synergic Arc force



Thermal overload protection Intelligent control



MIG-350



MIG-400

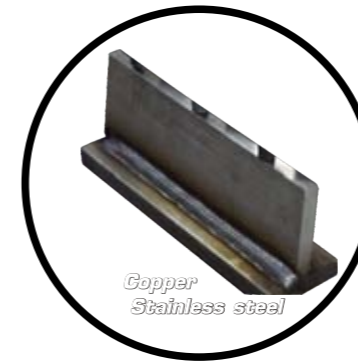


MIG-500

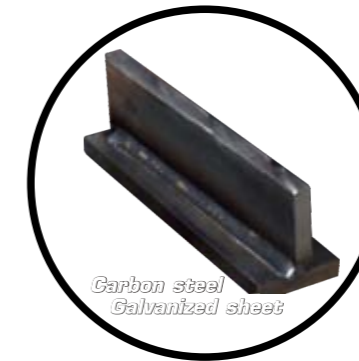
Features

- ★ Multi-function welding - MIG/MAG, MMA, and FLUX CORED Wire welding.
- ★ 20kg wire spool capability for heavy industrial use.
- ★ 2T/4T function.
- ★ Stable arc with less spatter.
- ★ Industrial grade IGBT module adopted.
- ★ Portable separated wire feeder with control cables and control keys, can be carried to perform distance welding work.

Perfect welding performance



Copper
Stainless steel



Carbon steel
Galvanized sheet

Applications



Maintenance and repair



Doors and windows



Shipbuilding



Vehicle maintenance



Steel fabrication and machining

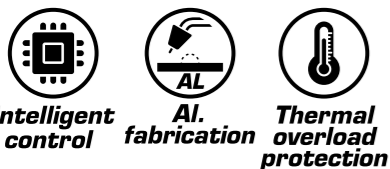


Petroleum pipeline

Technical Data

Model	MIG-350	MIG-400	MIG-500
Power input AC(V)	3pH 380V ±10%	3pH 380V ±10%	3pH 380V ±10%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	19	26	37.4
Rated output current(A)/voltage(V)	330/30.5(MIG)	400/34.0(MIG)	500/39.0(MIG)
	300/32.0(MMA)	400/36.0(MMA)	500/40.0(MMA)
Welding current range(A)	50-330(MIG)	50-400(MIG)	50-500(MIG)
	20-300(MMA)	20-400(MMA)	20-500(MMA)
Open circuit voltage DC(V)	58	58	58
Rated duty cycle(%)	60	60	60
IP grade	IP21S	IP21S	IP21S
Insulation grade	F	F	F
N.W.(kg)	26	27	33
Dimensions(mm)	655*340*510	655*340*510	655*340*510

MIG/MAG IGBT INVERTER WELDING MACHINE



Wide voltage range
3pH/220V/440V

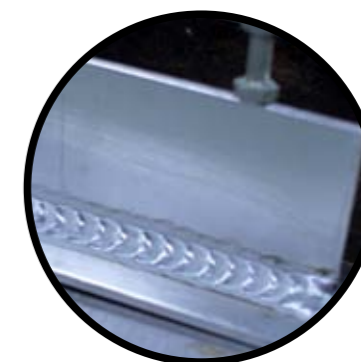
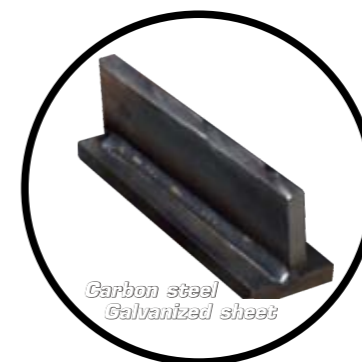
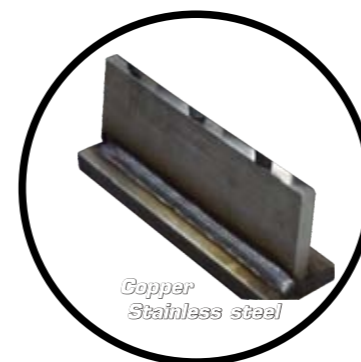


MIG-500P.PRO

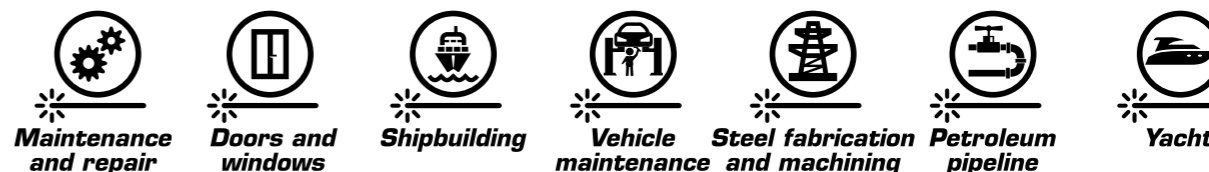
Features

- ★ Multi-function welding - MIG/MAG, Pulsed MIG, MMA /TIG and FLUX CORED Wire welding.
- ★ Pulsed function for Aluminium welding.
- ★ 20kg wire spool capability for heavy industrial use.
- ★ 2T/4T function.
- ★ Professional MMA welding with VRD function.
- ★ Stable arc with less spatter.
- ★ Industrial grade IGBT module adopted.
- ★ Portable separated wire feeder with control cables and control keys, can be carried to perform distance welding work.

Perfect welding performance



Applications



Technical Data

Model	MIG-350P.PRO	MIG-500P.PRO
Power input AC(V)	3pH 220V/440V ±15%	3pH 220V/440V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	26.5(220V) 18.3(440V)	33.9(220V) 33.2(440V)
Rated output current(A)/voltage(V)	250/26.5 (MIG,220V) 250/30.0 (MMA,220V) 350/31.5 (MIG,440V) 300/32.0 (MMA,440V)	300/29.0 (MIG,220V) 300/30.0 (MMA,220V) 500/39.0 (MIG,440V) 500/40.0 (MMA,440V)
Welding current range(A)	40-250 (MIG,220V) 30-250 (MMA,220V) 40-350 (MIG,440V) 40-300 (MMA,440V)	40-300 (MIG,220V) 30-300 (MMA,220V) 40-500 (MIG,440V) 40-500 (MMA,440V)
Open circuit voltage DC(V)	72	72
Rated duty cycle(%)	40	40
IP grade	IP21	IP21
Insulation grade	F	F
N.W.(kg)	22	30.5
Dimensions(mm)	515*270*265	550*280*550

TIG INVERTER WELDING MACHINE WITH CLEAN FUNCTION



DIY



TIG



MMA



Clean



2T/4T



Pulsed



Thermal overload protection



TIG-160/180



TIG-160P/180P



TIG-200

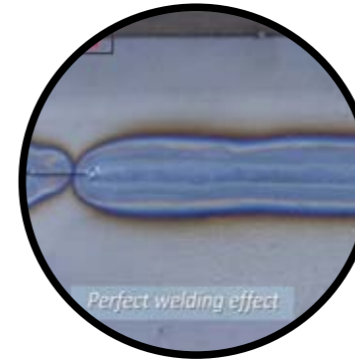


TIG-200P

Features

- ★ Multi-function welder: DC TIG, Pulsed TIG, MMA and Clean function.
- ★ High frequency arc start with high success rate.
- ★ Clean function, to clean the rust and oil on the surface of the material, like carbon steel and stainless steel.
- ★ 2T/4T function, adjustable Pre-Flow and Post-Flow.
- ★ Exceptional energy saving performance and high reliability.
- ★ Pulsed function only for TIG-160P/180P/200P.

Perfect welding performance



Applications



Maintenance and repair



DIY/Home hobby



Doors and windows



Farms & ranches

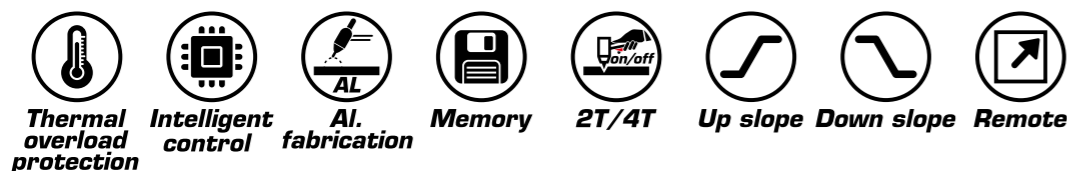
Technical Data

Model	TIG-160/TIG-160P	TIG-180/TIG-180P	TIG-200/TIG-200P
Power input AC(V)	1pH 220V ±15%	1pH 220V ±15%	1pH 220V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	20.3	24	27.9
Rated output current(A)/voltage(V)	160/16.4 (TIG) 140/25.6 (MMA)	180/17.2 (TIG) 160/26.4 (MMA)	200/18.0 (TIG) 180/27.2 (MMA)
Welding current range(A)	10-160 (TIG) 20-140 (MMA)	10-180 (TIG) 20-160 (MMA)	10-200 (TIG) 20-180 (MMA)
Open circuit voltage DC(V)	60	60	60
Rated duty cycle(%)	60	60	60
IP grade	IP21S	IP21S	IP21S
Insulation grade	F	F	F
N.W.(kg)	5.2	5.2	5.5
Dimensions(mm)	400*155*310	400*155*310	400*155*310

IGBT INVERTER AC/DC TIG WELDING MACHINE



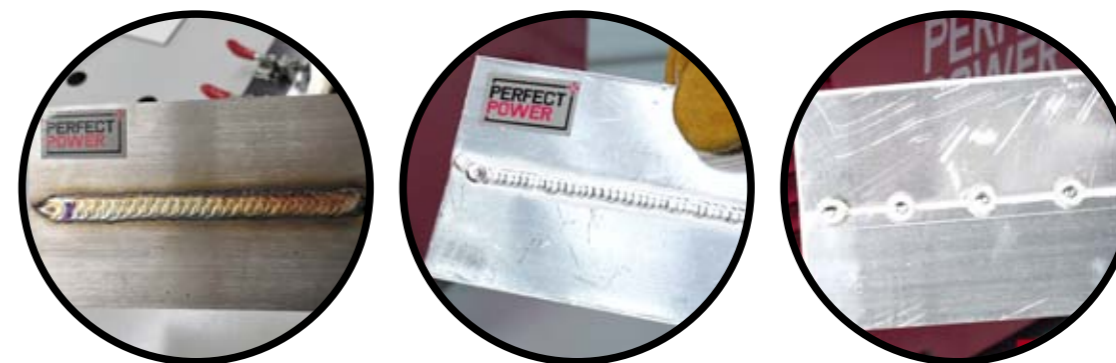
DIGITAL CONTROLLED ONE FOR 1/110V OR 1/220V INPUT VOLTAGE
TIG-200P AC/DC



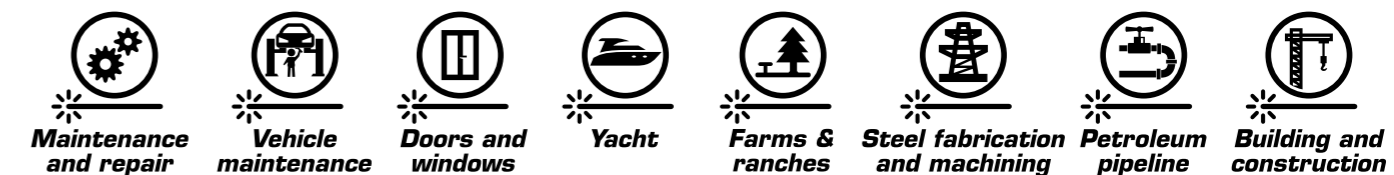
Features

- ★ PWM control technology enables constant and stable output current.
- ★ Excellent high frequency arc starting .
- ★ Adjustable pulse frequency per your needs.
- ★ Cleaning zone width and clean scope can be adjusted to meet high technical requirements.
- ★ Multiple welding processes: AC TIG; AC pulse TIG; DC TIG; DC pulse TIG; MMA and auto welding.
- ★ Expert of welding thin metal material, especially aluminum.
- ★ Strong ability of anti-fluctuation of power supply.
- ★ Professional MMA function.

Perfect welding performance



Applications







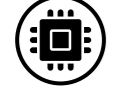



Technical Data

Model	TIG-200P AC/DC
Rated power input AC(V)	220
Power input frequency (Hz)	50/60
Rated current input (A)	31.8 (AC TIG) / 27.3 (DC TIG) / 38.9 (MMA)
Rated input power (kVA)	7.0 (AC TIG) / 6.0 (DC TIG) / 8.6 (MMA)
Welding current range (A)	15-200 (AC TIG) / 10-200 (DC TIG) / 10-180 (MMA)
Open circuit voltage (V)	60
Rated duty cycle % (40°C)	20 (AC TIG) / 15 (DC TIG) / 15 (MMA)
IP grade	IP23S
Insulation grade	F
N.W. (kg)	13
Packing dimensions (mm)	465*200*335

LCD AC/DC TIG IGBT INVERTER WELDING MACHINE



With intelligent LCD visual operation, TIG-200DP AC/DC is a professional TIG welding solution for all types of metal materials like steel, stainless steel, aluminium, copper, titanium, etc.

-  **MMA**
-  **TIG**
-  **Pulsed**
-  **Up slope**
-  **Memory**
-  **Down slope**
-  **LCD Display**
-  **Remote**
-  **Intelligent control**
-  **Dual voltage (Optional)**
-  **AI fabrication**
-  **Thermal overload protection**



TIG-200DP AC/DC



- 3.5 inch colorful LCD screen
- 4 languages supported







Features

- ★ Multi-function welding - AC TIG, AC pulse TIG, DC TIG, DC pulse TIG, MMA and Auto welding
- ★ Intelligent visual operation instruction make your work easy
- ★ Adjustable clean width and clean scope
- ★ Optional torch with amperage control & optional foot pedal switch
- ★ Digital control technology and one-knob intelligent control panel
- ★ Capable for different shapes welding, like butt joint, corner joint, T-joint, lap joint and cruciform joint

Perfect welding performance



Applications

-  **Maintenance and repair**
-  **Yacht**
-  **Doors and windows**
-  **Farms & ranches**
-  **DIY/Home hobby**
-  **Vehicle maintenance**

Technical Data

Model	TIG-200DP AC/DC
Power input AC(V)	1pH 220V ±15%
Power input frequency(Hz)	50/60
Rated current input(A)	25.2
Rated output current(A)/voltage(V)	200/18.0 (TIG) 200/28.0 (MMA)
Welding current range(A)	10-200 (TIG) 30-200 (MMA)
Open circuit voltage DC(V)	62
Rated duty cycle(%)	40
IP grade	IP21S
Insulation grade	F
N.W.(kg)	15.1
Dimensions(mm)	460*220*375

MOSFET INVERTER AC/DC TIG WELDING MACHINE



Ideal for industry use
TIG-315 AC/DC

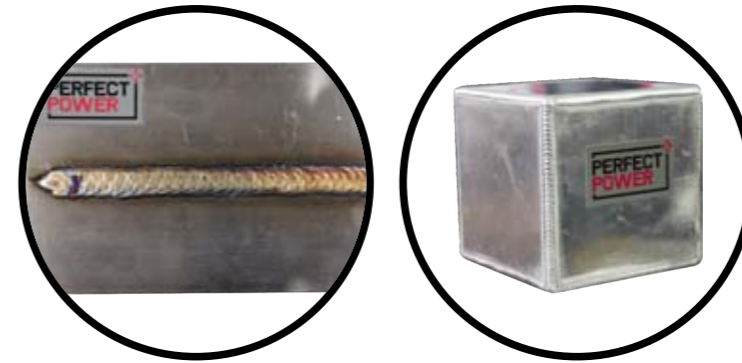
Ideal for industry use
Cylinder rack
TIG-315W AC/DC



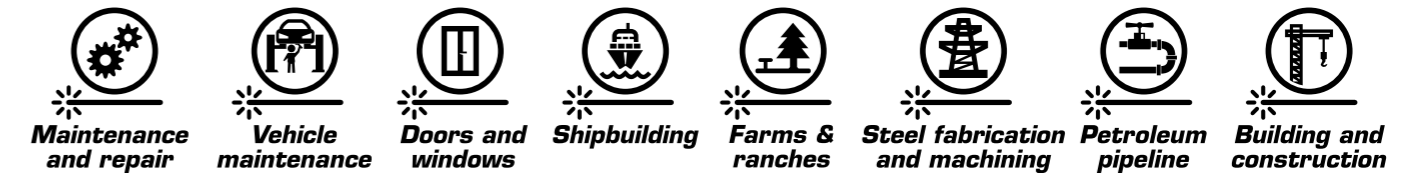
Features

- ★ Adjustable AC frequency per your needs.
- ★ PWM control technology enables fast and stable arc starting.
- ★ 5 welding processes: AC TIG; AC pulse TIG; DC TIG; DC pulse TIG; ARC.
- ★ Cleaning zone width can be adjusted to meet high technological requirements.
- ★ Excellent welding capability: aluminum, copper, carbon steel, stainless steel and other metal materials.

Perfect welding performance



Applications



Technical Data

Model	TIG-315 AC/DC	TIG-315W AC/DC
Power input AC(V)	3pH / 380V ±10%	3pH / 380V ±10%
Rated input capacity (kVA)	8.9	8.9
Rated current input (A)	13.5	13.5
Rated open circuit voltage DC(V)	45	45
Welding current range (A)	30-315(DC) , 70-315(AC)	30-315(DC) , 70-315(AC)
Rated duty cycle (60%/100%)	315A/244A	315A/244A
Insulation grade	F	F
IP grade	IP 21	IP 21
Efficiency (%)	85	85
Power factor (cosΦ)	0.85	0.85
N.W./G.W.(kg)	39/42	63/67
Packing dimensions (mm)	750*400*710 (Carton) 720*400*800 (Wooden)	990*510*1090(Wooden)

IGBT INVERTER AC/DC TIG WELDING MACHINE



Ideal for industry use
TIG-500 AC/DC



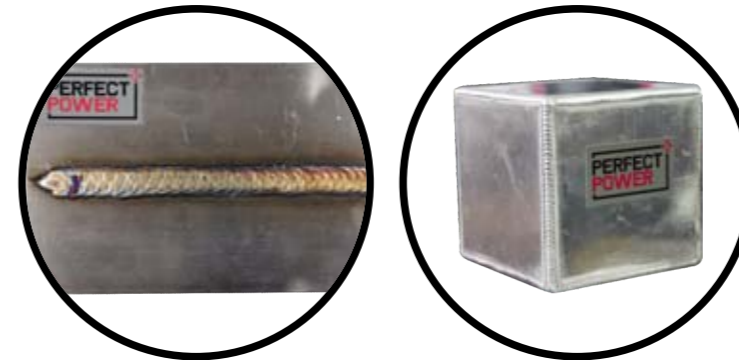
Ideal for industry use
Cylinder rack
TIG-500W AC/DC



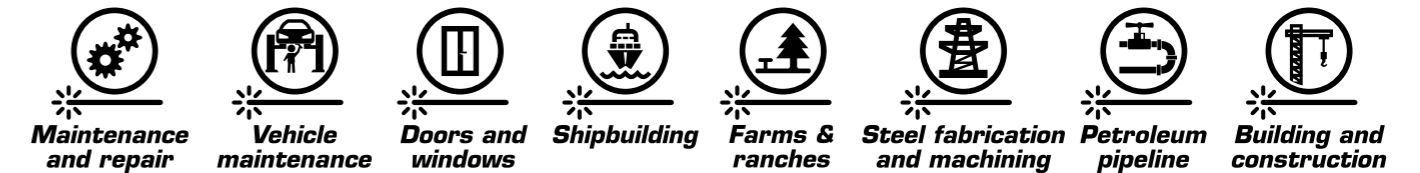
Features

- ★ Adjustable AC frequency per your needs.
- ★ PWM control technology enables fast and stable arc starting.
- ★ 5 welding processes: AC TIG; AC pulse TIG; DC TIG; DC pulse TIG; ARC.
- ★ Cleaning zone width can be adjusted to meet high technological requirements.
- ★ Excellent welding capability: aluminum, copper, carbon steel, stainless steel and other metal materials.

Perfect welding performance



Applications



Technical Data

Model	TIG-500 AC/DC	TIG-500W AC/DC
Power input AC(V)	3pH / 380V ±10%	3pH / 380V ±10%
Rated input capacity (kVA)	17.8	17.8
Rated current input (A)	27	27
Rated open circuit voltage DC(V)	65	65
Welding current range (A)	30-500(DC) 、 70-450(AC)	30-500(DC) 、 70-450(AC)
Rated duty cycle (60%/100%)	500A/387A	500A/387A
Insulation grade	F	F
IP grade	IP 21	IP 21
Efficiency (%)	85	85
Power factor (cosΦ)	0.85	0.85
N.W./G.W.(kg)	43/47	75/79
Packing dimensions (mm)	740*410*780 (Carton) 730*430*860 (Wooden)	1030*550*1160 (Wooden)

IGBT INVERTER AC/DC TIG WELDING MACHINE



INDUSTRIAL USE



IGBT module



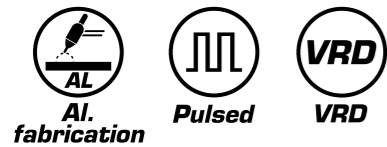
AC/DC



TIG



MMA



AL fabrication



Pulsed



VRD



2T/4T



Up slope



Remote



Memory



Down slope



Thermal overload protection



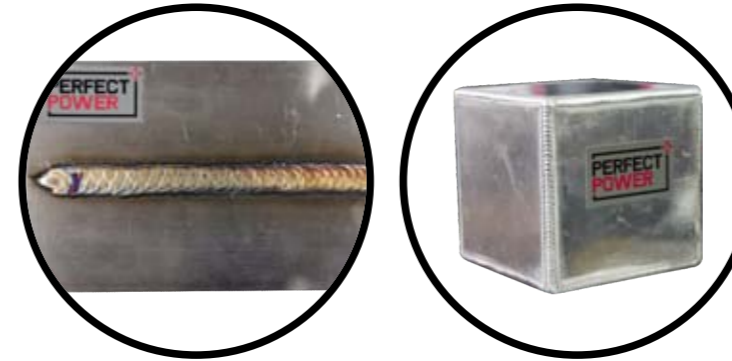
3
220V
440V
Wide voltage range
3/220V/440V

TIG-350P AC/DC PRO

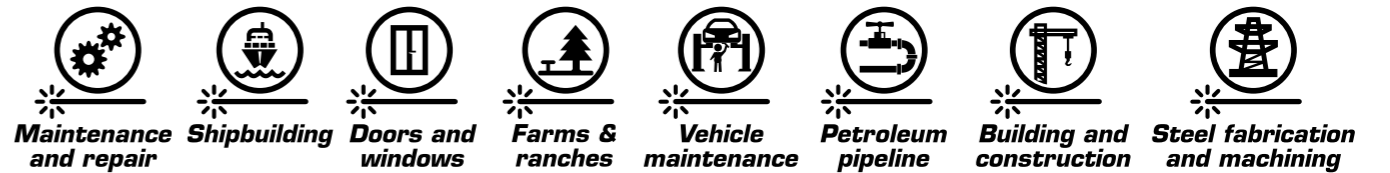
Features

- ★ Multi-function welding - AC TIG, AC pulsed TIG, DC TIG, DC pulsed TIG, MMA and Auto welding.
- ★ Industrial purpose IGBT dual-module and heavy duty cycle.
- ★ Minimum AC current can be 10A, ensuring optimal welding performance of thin aluminum sheet.
- ★ Memory function: can save 18 sets of parameters.
- ★ High frequency arc start with high success rate.
- ★ Adjustable clean width and clean scope.
- ★ Intelligent over-voltage, low-voltage, over-current and over-heat protection, safe and reliable.
- ★ Capable for different shapes welding, like butt joint, corner joint, T-joint, lap joint and cruciform joint.

Perfect welding performance



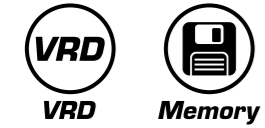
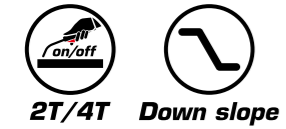
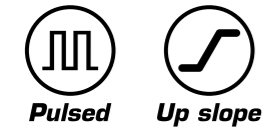
Applications



Technical Data

Model	TIG-350P AC/DC PRO	
Power input AC(V)	3pH 220V/440V ±15%	
Power input frequency(Hz)	50/60	
Rated current input(A)	16.4	
Rated output current(A)/voltage(V)	250/20.0 (TIG,3-220V)	350/24.0 (TIG,3-440V)
	200/28.0 (MMA 3-220V)	275/31.0 (MMA,3-440V)
Welding current range(A)	10-250 (TIG,3-220V)	10-350 (TIG,3-440V)
	30-200 (MMA,3-220V)	30-275 (MMA,3-440V)
Open circuit voltage DC(V)	69	
Rated duty cycle(%)	60	
IP grade	IP21S	
Insulation grade	F	
N.W.(kg)	50.1	
Dimensions(mm)	605*310*595	

IGBT INVERTER PULSED DC TIG WELDING MACHINE

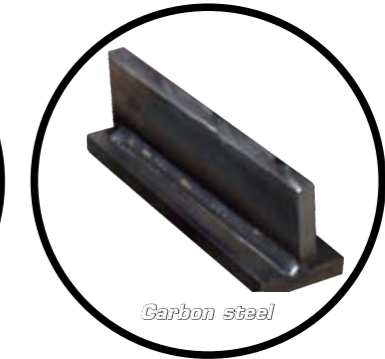
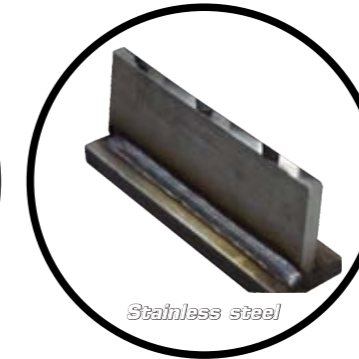


TIG-400P

Features

- ★ Multi-function welding: DC TIG, DC pulsed TIG, spot welding and MMA welding.
- ★ Industrial purpose IGBT dual-module and heavy duty cycle.
- ★ Digital control technology, accurate welding power control.
- ★ Spot welding for even 0.3mm metal sheet, without deformation.
- ★ High frequency arc start with high success rate.
- ★ Peak current & time, base current & time adjustable.

Perfect welding performance



Applications



Maintenance and repair



Shipbuilding



Doors and windows



Farms & ranches



Building and construction



Vehicle maintenance



Steel fabrication and machining










Petroleum pipeline

Technical Data

Model	TIG-400P
Power input AC(V)	3pH 380V ±15%
Power input frequency(Hz)	50/60
Rated current input(A)	16.4
Rated output current(A)/voltage(V)	400/26.0 (TIG)
	350/34.0 (MMA)
Welding current range(A)	10-400 (TIG)
	30-350 (MMA)
Open circuit voltage DC(V)	69
Rated duty cycle(%)	60
IP grade	IP21S
Insulation grade	F
N.W.(kg)	50.1
Dimensions(mm)	605*310*595

IGBT INVERTER MMA/STICK WELDING MACHINE



-  **DIY**
-  **MMA**
-  **Dual voltage (Optional)**
110V/220V
-  **Compact and portable**
-  **Hot start (Build-in)**
-  **Arc force (Build-in)**
-  **Thermal overload protection**



MMA-120
MMA-160



MMA-180
MMA-200





Features

- ★ Compact design, lightweight, but robust.
- ★ User-friendly and cost effective.
- ★ Arc Force, Anti-Stick and Hot Start technology enable easy arc starting, arc stability and smooth welding.
- ★ Overload protection.
You can just plug and then weld with a complete accessory set : MMA welding cable, earth cable, welding mask and steel brush.

Perfect welding performance



Applications

-  **Maintenance and repair**
-  **Doors and windows**
-  **Farms & ranches**
-  **DIY/Home hobby**

Technical Data

Model	MMA-120	MMA-160	MMA-180	MMA-200
Power input AC(V)	1pH 220V ±15%	1pH 220V ±15%	1pH 220V ±15%	1pH 220V ±15%
Power input frequency(Hz)	50/60	50/60	50/60	50/60
Rated current input(A)	25	30.8	37.3	42.7
Rated output current(A)/voltage(V)	120/24.8	160/26.4	180/27.2	200/28.0
Welding current range(A)	20-120	20-160	20-180	20-200
Open circuit voltage DC(V)	56	56	60	60
Rated duty cycle(%)	35	35	35	35
IP grade	IP21S	IP21S	IP21S	IP21S
Insulation grade	F	F	F	F
N.W.(kg)	4.12	5.91	6.1	6.5
Dimensions(mm)	300*123*210	375*152*235	375*152*235	360*250*300

IGBT INVERTER MMA/STICK WELDING MACHINE



DIY



MMA



Dual voltage
(110/220)



Compact and portable



Cellulose electrode
E7018 E6010



Hot start
(Build-in)



Generator friendly
70V~130V/
170V~250V



Arc force
(Build-in)



Thermal overload protection



OCV/80V



MMA-160CS

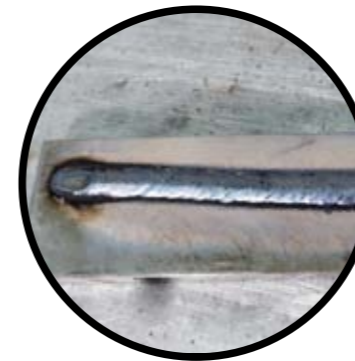


MMA-200CS

Features

- ★ 80V open circuit voltage ensures smooth cellulose electrode welding, such as E7018 and E6010.
- ★ Compact design, lightweight, but robust.
- ★ User-friendly and cost effective.
- ★ Arc Force, Anti-Stick and Hot Start technology enable easy arc starting, arc stability and smooth welding.
- ★ Generator Friendly : wide voltage range supporting, 70V ~ 130v /170V ~ 250V.
- ★ Overload protection.
You can just plug and then weld with a complete accessory set : MMA welding cable, earth cable, welding mask and steel brush.

Perfect welding performance



Applications



Maintenance and repair



DIY/Home hobby



Doors and windows



Farms & ranches

Technical Data

Model	MMA-160CS	MMA-200CS
Power input AC(V)	1pH 110V/220V ±15%	1pH 110V/220V ±15%
Power input frequency(Hz)	50/60	50/60
Rated current input(A)	24 (220V)	32 (220V)
	26 (110V)	35 (110V)
Rated output current(A)/voltage(V)	160/26.4 (220V)	200/28.0 (220V)
	95/23.8 (110V)	120/24.8 (110V)
Welding current range(A)	20-160 (220V)	20-200 (220V)
	20-95 (110V)	20-120 (110V)
Open circuit voltage DC(V)	80	80
Rated duty cycle(40°C) (%)	40	60
Insulation grade	F	F
IP grade	IP21S	IP21S
N.W.(kg)	3.2	3.5
Dimension(mm)	380*240*300	380*240*300

IGBT INVERTER MMA/STICK WELDING MACHINE



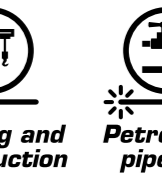
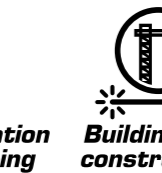
Features

- ★ Adopts advanced full bridge IGBT inverter technology.
- ★ Digital display for welding current presetting and display.
- ★ Heavy duty cycle for heavy industry use.
- ★ Arc force and hot start adjustable, ensure easy arc striking.
- ★ Auto protection against over-voltage, over-current and over-heated.
- ★ VRD function, guarantees operation safety.

Perfect welding performance



Applications



Technical Data

Model	ARC-315	ARC-400	ARC-450	ARC-500	ARC-630
Power input AC(V)	3pH 380V ±15%	3pH 380V ±15%	3pH 380V ±15%	3pH 380V ±15%	3pH 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60	50/60	550/60
Rated current input(A)	16.8	25.7	29.7	38.5	54.7
Rated output current(A)/voltage(V)	280/31.2	380/35.2	420/36.8	500/40.0	630/44.0
Welding current range(A)	20-280	25-380	25-420	30-500	30-630
Open circuit voltage DC(V)	61	66	66	68	75
Rated duty cycle(40°C)(%)	60	60	60	60	60
Insulation grade	F	F	F	F	F
IP grade	IP21S	IP21S	IP21S	IP21S	IP21S
N.W.(kg)	15	21	24	32	50.5
Dimension(mm)	570*275*430	675*340*525	675*340*525	690*350*660	770*405*730

IGBT INVERTER PLASMA CUTTING MACHINE



INDUSTRIAL USE



CNC ON-SITE & MOBILE CUTTING APPLICATIONS



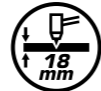
2T/4T



Grid cutting



Thermal overload protection



Max cutting CUT-60H



Max cutting CUT-80H

Features

- ★ Thanks to the advanced inverter technology, the machine is robust with powerful cutting capacity.
- ★ Able to be connected with CNC equipment to achieve automatic cutting; the connector is optional.
- ★ Powerful cutting capacity, narrow cutting seam and clean cutting edge.
- ★ 2T/4T self-locking function.
- ★ Pilot arc starting increases cutting capability and cutting speed, improving service life of torch kit.
- ★ Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- ★ Heavy duty cycle for industrial use.

Perfect cutting performance



Applications



Steel fabrication and machining



Petroleum pipeline



Maintenance and repair



Shipbuilding



Building and construction



Vehicle maintenance

Technical Data

Model	CUT-60H	CUT-60H	CUT-80H
Power input AC(V)	1pH 220V ±15%	3pH 380V ±15%	3pH 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	48.6	15	22
Rated output current(A)/voltage(V)	55/102	60/104	80/112
Cutting current range(A)	20-55	20-60	30-80
Open circuit voltage DC(V)	275	276	288
Rated duty cycle(%)	60	60	60
Max.cutting thickness(mm)	18	18	25
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W. (kg)	12	10.5	19.3
Packing dimensions (mm)	515*320*395	515*320*395	625*360*460

IGBT INVERTER PLASMA CUTTING MACHINE

**PERFECT
POWER**



**INDUSTRIAL
USE**



**IGBT
module**



**CNC ON-SITE &
MOBILE CUTTING
APPLICATIONS**



2T/4T



**Grid
cutting**



**Thermal
overload
protection**



**Max cutting
CUT-160H**



**Max cutting
CUT-100H**

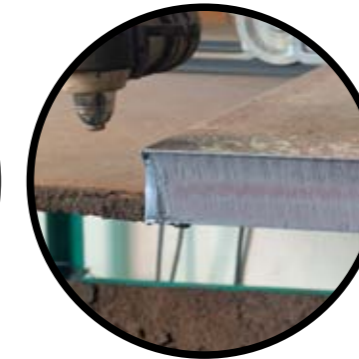


**Max cutting
CUT-120H**

Features

- ★ Thanks to the advanced inverter technology, the machine is robust with powerful cutting capacity.
- ★ Able to be connected with CNC equipment to achieve automatic cutting; the connector is optional.
- ★ Powerful cutting capacity, narrow cutting seam and clean cutting edge.
- ★ 2T/4T self-locking function.
- ★ Pilot arc starting increases cutting capability and cutting speed, improving service life of torch kit.
- ★ Operation safety protection against over-voltage, low-voltage, over-current and over-heated.
- ★ Heavy duty cycle for industrial use.

Perfect cutting performance



Applications



**Steel fabrication
and machining**



**Petroleum
pipeline**



**Maintenance
and repair**



Shipbuilding



**Building and
construction**



**Vehicle
maintenance**

Technical Data

Model	CUT-100H	CUT-120H	CUT-160H
Power input AC(V)	3ph 380V ±15%	3ph 380V ±15%	3ph 380V ±15%
Power input frequency(Hz)	50/60	50/60	50/60
Rated current input(A)	29	35	44.2
Rated output current(A)/voltage(V)	100/120	120/128	160/144
Cutting current range(A)	30-100	30-120	30-160
Open circuit voltage DC(V)	295	300	370
Rated duty cycle(%)	60	60	60
Max.cutting thickness(mm)	40	45	55
IP grade	IP21	IP21	IP21
Insulation grade	F	F	F
N.W. (kg)	21	29	60
Packing dimensions (mm)	625*360*460	630*360*515	750*425*685

IGBT INVERTER PLASMA CUTTER WITH OPTIONAL MMA FUNCTION



INDUSTRIAL USE



3 PHASE /220V



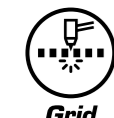
CNC ON-SITE & MOBILE CUTTING APPLICATIONS



2T/4T



MMA (Optional)



Grid cutting



Gouging



Max cutting MMA CUT-60PRO



Max cutting CUT-80PRO



Max cutting CUT-100PRO



Max cutting CUT-120PRO



Max cutting CUT-160PRO

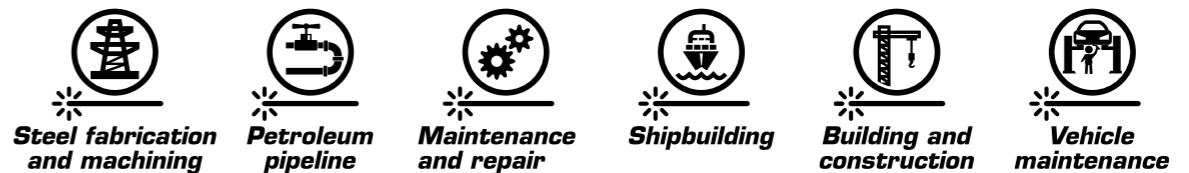
Features

- ★ 3ph/220V input power allows even 160A cutting capacity.
- ★ Able to be connected with CNC equipment to achieve automatic cutting function; the connector is optional.
- ★ MULTI-FUNCTION two in one, optional MMA function.
- ★ Powerful cutting capacity, narrow cutting seam and clean cutting edge.
- ★ 2T/4T self-locking function.
- ★ Pilot Arc Starting increases cutting capability and cutting speed, improving service life of torch kit.
- ★ Heavy duty cycle for industrial use.

Perfect cutting performance



Applications



Technical Data

Model	CUT-60PRO	CUT-80PRO	CUT-100PRO	CUT-120PRO	CUT-160PRO
Power input AC(V)	3ph 220V/380V ±15%	3ph 220V ±15%	3ph 220V ±15%	3ph 220V ±15%	3ph 220V ±15%
Power input frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Rated current input (A)	39.35	36.45	48.38	61.29	76.78
Rated output current (A)/ voltage(V)	60/104	80/112	100/120	120/128	160/144
Max. cutting current (A)	60	80	100	120	160
Open circuit voltage DC (V)	280	280	320	320	320
Max. MMA welding current (A) (Optional)	240	240	300	300	300
Rated duty cycle (%)	60%	60%	60%	60%	60%
Max. cutting thickness (mm)	20	30	35	40	55
IP grade	IP21	IP21	IP21	IP21	IP21
Insulation grade	F	F	F	F	F
N.W. (kg)	13	16.5	28	29	35
Packing dimensions (cm)	530*315*430	575*333*490	615*38*63.5	615*38*63.5	615*38*63.5

IGBT INVERTER PLASMA CUTTER WITH HF TIG / MMA FUNCTION

PERFECT
POWER



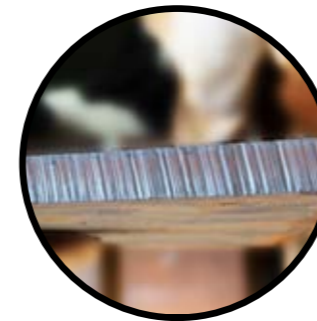
3 in 1 Combo Cutting Machine
CTM-160

Features

- ★ MULTI FUNCTIONAL 3 in 1: CUT/MMA/TIG
- ★ Highly convenient , operate it anywhere.
- ★ Drag torch arc starting .
- ★ Capable of cutting and welding various metals.
- ★ Max 15mm Cutting thickness.
- ★ LED control display.
- ★ Smart cooling & overheating protection.
- ★ Narrow cutting seam, clean cutting edge, anti deformation.

Multiprocess

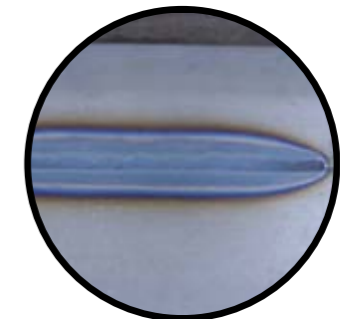
Stainless steel, carbon steel, low alloy steel, copper, aluminum and other metal sheet materials.



Max Cutting 15mm

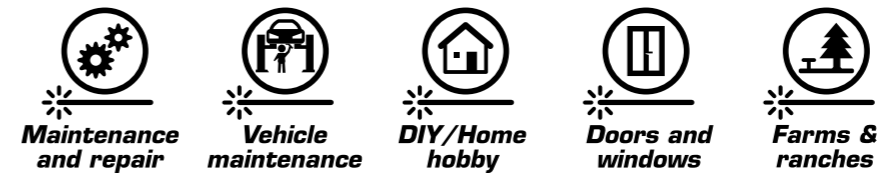


Perfect MMA Welding



HF TIG Welding

Applications



Technical Data

Model	CTM-160		
Power input AC(V)	1pH 220V ±15%		
Rated current input (A)	29.3 (CUT)	/ 32.2 (MMA)	/ 20.0 (TIG)
Rated input power (kVA)	4.5 (CUT)	/ 5.0 (MMA)	/ 3.1 (TIG)
Rated output current (A)	10-40 (CUT)	/ 10-160 (MMA)	/ 10-180 (TIG)
Open circuit voltage DC(V)	253 (CUT)	/ 70 (TIG/MMA)	
Rated duty cycle(%)	40 (CUT/TIG/MMA)		
Max.cutting thickness (mm)	15		
IP grade	IP21		
Insulation grade	H		
N.W. (kg)	6.0		
Packing dimensions (mm)	402*275*300		