

PROJECT

FONDOF



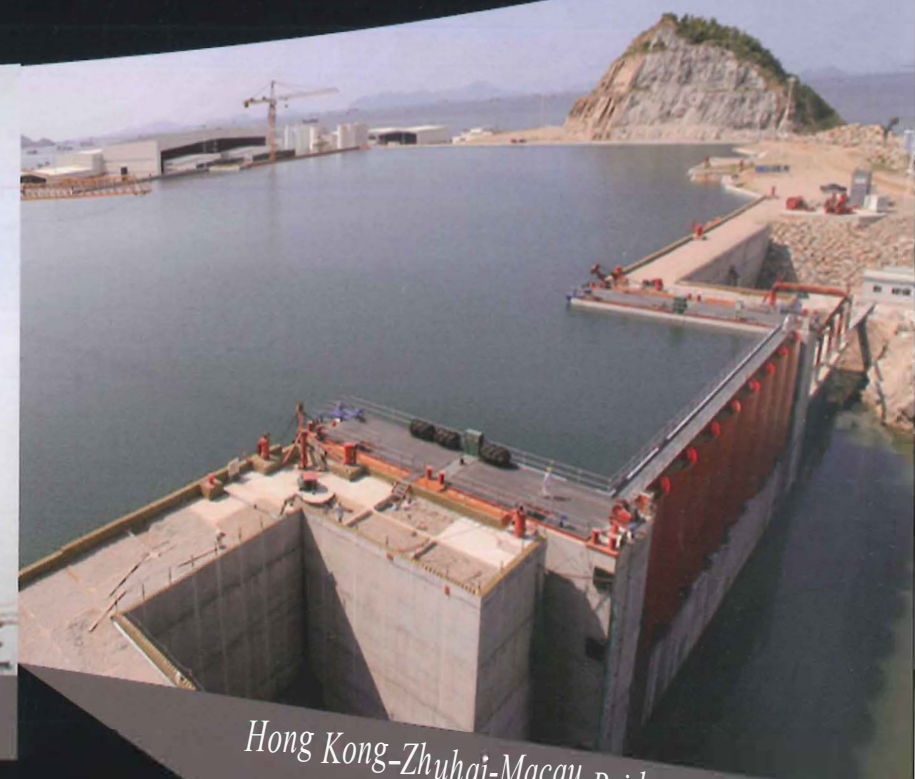
"5ia Game open tetemov ton1\1uttion



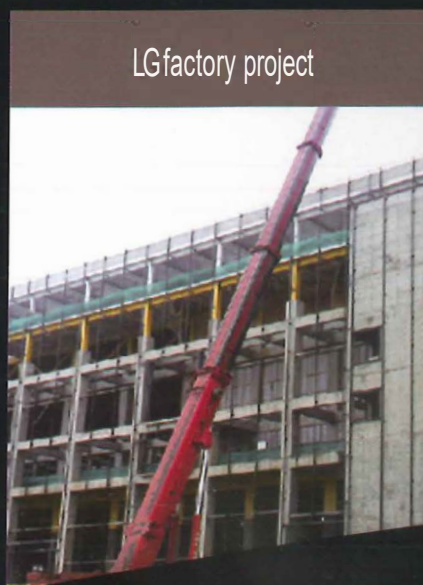
Guangzhou Tower project



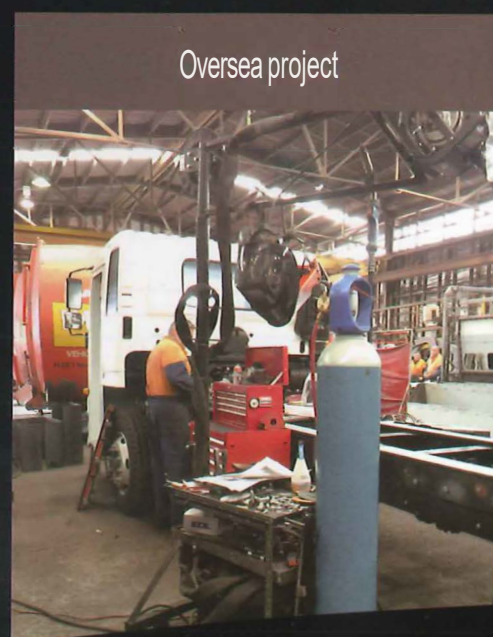
Guangzhou Tower project



Hong Kong-Zhuhai-Macau Bridge



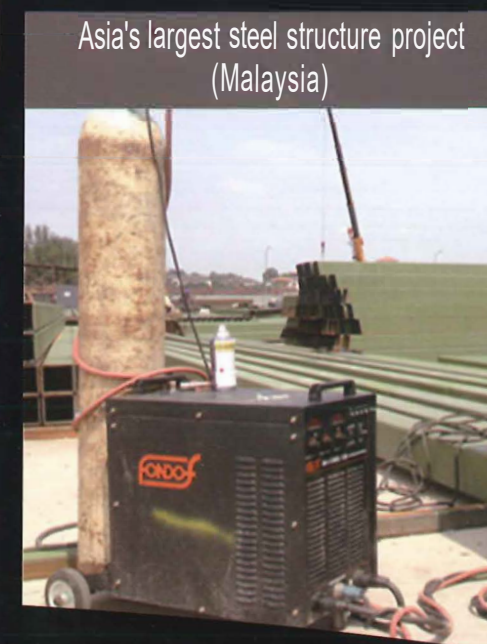
LGfactory project



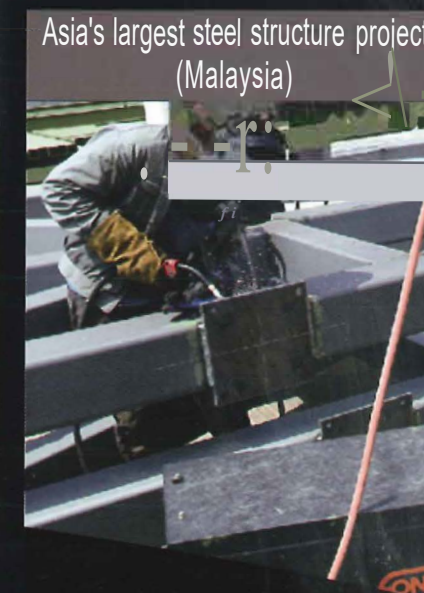
Oversea project



Shen zhen ping an plaza project



Asia's largest steel structure project
(Malaysia)



Asia's largest steel structure project
(Malaysia)

Content

TIG	01
SERIES	-
-	18

MIG	19
SERIES	-
-	30

CUT	31
SERIES	-
-	38

ARC	39
SERIES.	-
-	50



116 SERIES



Gas tungsten arc welding (GTAW), also known as tungsten inert gas (TIG) welding, is an arc welding process that uses a non-consumable tungsten electrode to produce the weld. The weld area is protected from atmospheric contamination by a shielding gas (usually an inert gas such as argon), and a filler metal is normally used, though some welds, known as autogenous welds, do not require it. A constant-current welding power supply produces energy which is conducted across the arc through a column of highly ionized steel and non-ferrous metals such as aluminum, magnesium, and copper alloys.



Model		11-1mm D'B'al											
PROCESS	ACTIG												
	DCTIG												
	Stick												
	Welding Thickness (mm)	0.3-4	0.3-5	0.3-5	0.3-6	0.3-8	0.3-12	0.3-14	0.3-18	0.3-5	0.3-8	0.3-12	0.3-14
	TIG Hi-Freq												
FEATURES	TIG Pulse												
	Square Wave												
	AC Frequency												
	Remote 2T/4T												
	Auto Function												
Dimensions (mm/in)	Water Cooling												
	Memory Recall												
	Pre Flow												
	Post Flow												
	Digital Meters												
- Net Weight (kg)		1	6.9	7.1	10	27	29	69	71	91	29	1	1

Applicable industries:





Alpha PLATFORM

upgrade tig200

- higher productivity and efficiency



4-Time Faster Chip
Output current, Arc
and HF 11sa11t adjust

Program with pre-gas
and post gas

High quality
ARC ignition spot

MMA+2T/4T+Gas
delay+Arc force



TIG200

Fastest Spot TIG
welder EVER!180/min

130,000 non-stop
ignition test +72-hour
non-stop full-load
life test

PANEL FEATURES:



Overheatwarning

Arc Force/Anti-stick-ling

Infinite Amperage

Adjusting/Welding
CutTent

Two fuctions in one:
DCTIG&MMA

Gas Post-Flow

Self-lock function

Application:



Model Paraineters	TIG200
Input Voltage(V)	AC220V±15%
Frequency(Hz)	50/60
Rated Input Current(A)	42
Rated Input Power(KVA)	9.2
No-load Voltage(V)	61
Output Current(A)	10~200
Output Voltage (V)	10.4~18
Rated Duty Cycle(%)	35
Insulation Grade	F
TIG/MMA Functions	TIG/MMA
Protection Class	IP23S
Dimension (mm)	500x200x330
Weight(kg)	10

Advantage:

- ▶ Setter heat release
- ▶ Least distortion in thin work pieces
- ▶ Arc force and 2T/4T function





Alpha PLATFORM

Fastest ARC start



h111cton 2 in 1 OC TIG +MMA

F&SI(SI) ARC strt



T2000

Alpha full cinil,1l control pl;itform

VI-m ,iln-stick function



Application:



Technical Parameters	Alpha T2000	Alpha T3000
Input Voltage(V)	AC220V±10%	AC220V±10%
Frequency(Hz)	50/60	50/60
Phase	1PH	1PH
Rated Input Current(A)	24	33
Rated Input Power(KVA)	5.3	7.3
No-load Voltage(V)	56	60
Output Current(A)	TIG 10-160 MMA 15-140	TIG 10-200 MMA 15-180
Output Voltage (V)	TIG 10.4-16.4 MMA 20.6-25.6	TIG 10.4-18 MMA 20.6-27.2
Rated Duty Cycle(%) (40 C)	TIG(30%) MMA(30%)	TIG(20%) MMA(25%)
Insulation Grade	F	F
Protection Glass	IP23S	IP23S
Cooling Method	Air cooling	Air cooling
Weight(kg)	6.9	7.1
Dimension (mm)	395*175*275	395*175*275

Advantage:

Least distortion in thin workpieces
Self-developed program for better penetration
welding speed ,and quality
Precise amperage output
spot welding speed increases by more than 300%



TIG SERIES

06

TIG SERIES

05



CLASSIC MODEL



Fu11ab11 2 in 1.
DC TIG+MMA

Professional Square
Wave Pulse

Digit Contrai with
Surier-fast Processor

Exrierienced AUTO
Program Simple and
Easy

Durable with high
performance



TIG315D.P

PANEL FEATURES:



Application:



Technical Parameters	TIG 250D	TIG 3150
Rated Input Voltage(V)	3PH380±15%	3PH380±15%
Input Power Frequency(Hz)	50/60	50/60
Rated Input Current(A)	16.5	24
Rated Input Power(kVA)	10.8	16
External Fuse (A)	32	32
No-load Voltage(V)	70	76
Pulse Frequency(Hz)	0.2-500	0.2-500
Pulse and Empty Ratio(%)	1-99	1-99
Current Up Slope Time(S)	0-15	0-15
Current Dawn Slope Time(S)	0-15	0-15
Gas Pre-flow Time(S)	0-99.9	0-99.9
Gas Post-flow Time(S)	0-99.9	0-99.9
Welding Current(A)	15-250	15-315
Rated Duty Cycle%	35	35
Efficiency	<0.85	<0.85
Power Factor	0.7-0.9	0.7-0.9
Welding Thickness(mm)	0.3-8	0.3-10
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	550x260x500	550x260x500
Weight(kg)	27	29

Advantage:

- ▶Better heat release;
- ▶Least distortion in thin workpieces;
- ▶Self-developed Program for better penetration , welding speed, and quality;
- ▶pre-set amp adjustable parameter for specialized



Alpha PLATFORM

4th generation of
real digit-controlled model



Function 2 in 1.
DC TIG+MMA

Professional Sine Wave Pulse

Digit Control with
advanced micro
processor

Experienced AUTO
function. Simple and
easy



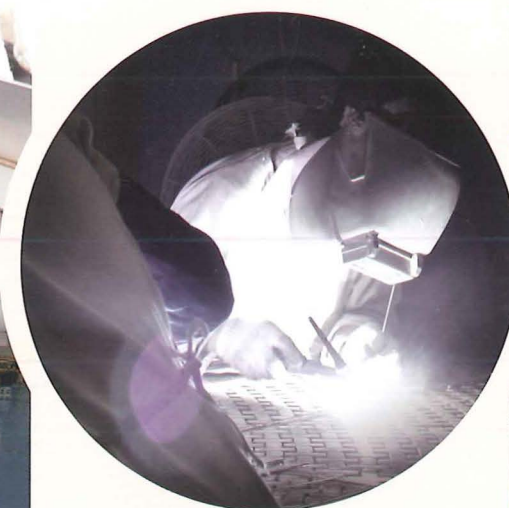
Alpha DC TIG 500

Designable with high
performance

PANEL FEATURES:



Application:



Technical Parameters	Alpha OC TIG 400	Alpha OC TIG 500	Alpha OC TIG 630
Rated Input Voltage(V)	3PH380±15%	3PH380±15%	3PH380±15%
Input Power Frequency(Hz)	50/60	50/60	50/60
Rated Input Current(A)	38	48	51
Rated Input Power(kVA)	25	32	34
External Fuse (A)	40	60	100
No-load Voltage(V)	80	80	82
Pulse Frequency(Hz)	0.2-500	0.2-500	0.2-500
Pulse and Empty Ratio(%)	1-99	1-99	1-99
Current Up Slope Time(S)	0-15	0-15	0-15
Current Down Slope Time(S)	0-15	0-15	0-15
Gas Pre-flow Time(S)	0-99.9	0-99.9	0-99.9
Gas Post-flow Time(S)	0-99.9	0-99.9	0-99.9
Welding Current(A)	15-400	15-500	20-630
Rated Duty Cycle%(40 C)	60	60	80
Efficiency	0.85	0.85	0.85
Power Factor	0.7-0.9	0.7-0.9	0.7-0.9
Welding Thickness(mm)	0.3-12	0.3-14	0.3-18
Insulation Grade	F	F	F
Protection Glass	IP23S	IP23S	IP23S
Dimensions(mm)	1000x420x1130	1000x420x1130	1065x420x1140
Weight(kg)	69	71	91

Advantage:

- › Better heat release;
- › Least distortion in thin workpieces;
- › Self-developed Program for better penetration, welding speed, and quality;
- › pre-set amp adjustable parameter for specialized applications;
- Strong output





CLASSIC MODEL

Input voltage: 200V-440V

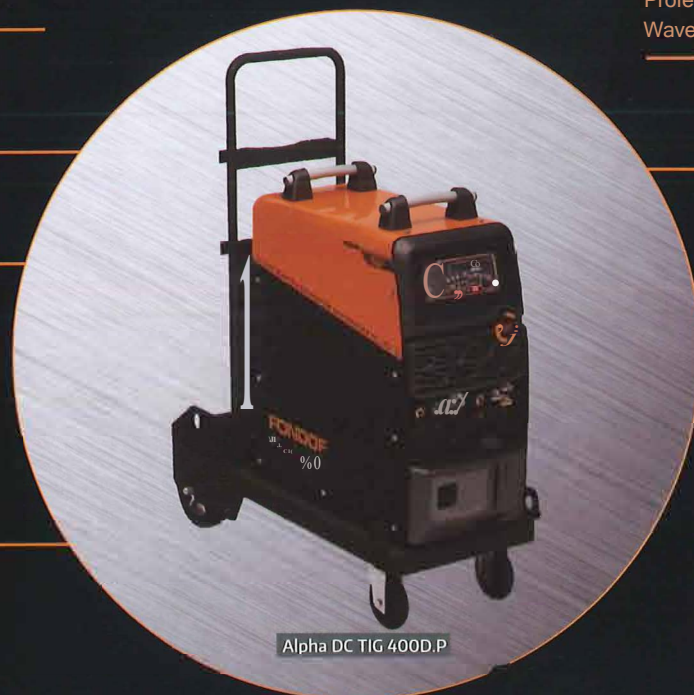


Function 2 in 1.
DC TIG+MMA

Professional Square
Wave Pulse

Digital Control with
advanced micro
processor

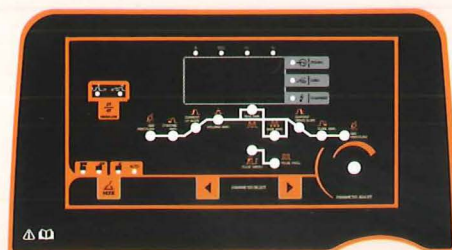
Durable with high
performance



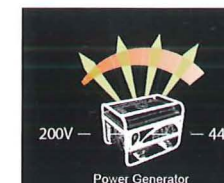
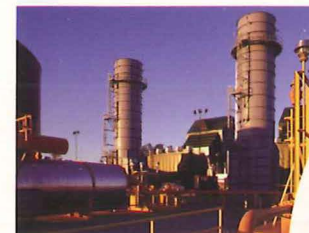
Alpha DC TIG 400D.P

Experienced AUTO
function- Simple and
Easy

PANEL FEATURES:



Application:



Technical Parameters	TIG 4000
Rated Input Voltage(V)	3PH200V-440V±15%
Input Power Frequency(Hz)	50/60
Rated Input Current(A)	47
Rated Input Power(kVA)	18
No-load Voltage(V)	78
Pulse Frequency(Hz)	0.2-500
Pulse and Empty Ratio(%)	1-99
Current Up Slope Time(S)	0-15
Current Down Slope Time(S)	0-15
Gas Pre-flow Time(S)	0-99.9
Gas Post-flow Time(S)	0-99.9
Welding Current(A)	15~400
Rated Duty Cycle%(40 °C)	60
Efficiency	<0.85
Power Factor	0.7-0.9
Welding Thickness(mm)	0.3-12
Insulation Grade	F
Protection Class	IP23S
Dimensions(mm)	1000x420x1130
Weight(kg)	79

Advantage:

- ▶ High efficiency
- ▶ Ideal for generator input
- ▶ Better welding penetration with higher speed



CLASSIC MODEL

AC/OC



Professional Square Wave Pulse

Full 3 in 1
AC TIG+DC TIG+MMA

Digit Contrai with advanced micro processor

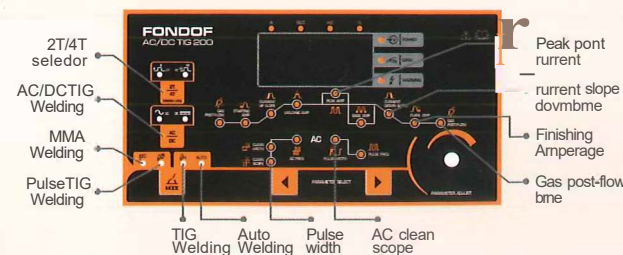
Durable with high performance



AC/DC TIG200

Experienced AUTO function- Simple and Easy

PANEL FEATURES:



Application:



Technical Parameters	AC\DC TIG 200
Rated Input Voltage(V)	1PH220V±15%
Input Power Frequency(Hz)	50/60
Rated Input Current(A)	43
Rated Input Power(kVA)	9.4
External Fuse (A)	60
No-load Voltage(V)	63
Pulse Frequency(Hz)	0.2-500(DC) 0.2-20(AC)
Pulse and Empty Ratio(%)	1-99
AC Frequency(Hz)	20~150
AC Clean width (%)	-40~+40
AC Clean scope (%)	-20~+20
Welding Current(A)	10-200
Current Up Slope Time(S)	0~15
Current Down Slope Time(S)	0~15
Gas Pre-flow Time(S)	0~99.9
Gas Post-flow Time(S)	0~99.9
Rated Duty Cycle%	35
Efficiency(Rated Conditions)	≥0.85
Insulation Grade	F
Protection Class	IP23S
Dimensions(mm)	550x260x500
Weight(kg)	29

Advantage:

- ▶Instant ARC start
- ▶Program with professional data
- Least distortion for thin plate





Alpha PLATFORM

4th generation of real
digit-controlled mode!



AC TIG + DC TIG + MMA

Auto-protection of, overvoltage
over current, and under voltage

Full Digit control

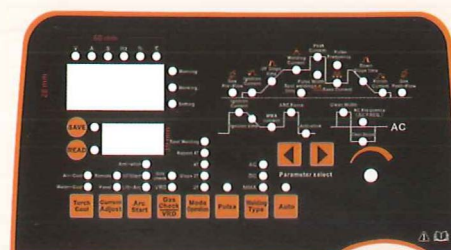


AC/DC TIG 315D.P

Remote Control
is optional

Built-in industrial
water cooling system

PANEL FEATURES:



Application



Technical Parameters	Alpha AC\DC TIG 400	Alpha AC\DC TIG 500
Rated Input Voltage(V)	3PH380V±15%	3PH380V±15%
Input Power Frequency(Hz)	50/60	50/60
Rated Input Current(A)	27	38
Rated Input Power(kVA)	18	25
No-load Voltage(V)	80	62
Pulse Frequency(Hz)	0.2-500(DC) 0.2-20(AC)	0.2-500(DC) 0.2-20(AC)
Pulse and Empty Ratio(%)	1~99	1~99
AC Frequency(Hz)	20~150	20~150
AC Clean width(%)	-40~+40	-40~+40
AC Clean scope(%)	-20~+20	-20~+20
Welding Current(A)	15-400	15-500
Current Up Slope Time(S)	0~15	0~15
Current Down Slope Time(S)	0~15	0~15
Gas Pre-flow Time(S)	0~99.9	0~99.9
Gas Post-flow Time(S)	0~99.9	0~99.9
Rated Duty Cycle(%)	60	60
Efficiency(Rated Conditions)	≥0.85	≥0.85
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	1035x420x1335	1035x420x1335

Advantage:

- Durable structure for higher efficient application
- Professional specification program
- Professional spec. programmable





CLASSIC MODEL

ac/dctig315d.p



AC TIG + DC TIG +MMA

Ideal for generator Input

Remote Control optional



AC/DC TIG 315D.P

Auto-protection of, overheat
over current, and 1111d voltage

Full Digit control

Inbuilt industrial
Welder cooling system

PANEL FEATURES:



Application:



Technical Parameters	AC/DC TIG 315	AC/DC TIG 315
Rated Input Voltage(V)	3PH380V±15%	3PH200V~440V±15%
Input Power Frequency(Hz)	50/60	50/60
Rated Input Current(A)	22	34
Rated Input Power(kVA)	14	12.9
No-load Voltage(V)	80	67
Pulse Frequency(Hz)	0.2-500(DC) 0.2-20(AC)	0.2-500(DC) 0.2-20(AC)
Pulse and Empty Ratio(%)	1-99	1-99
AC Frequency(Hz)	20-150	20-50
AC Clean width (%)	-40-+40	-40-+40
AC Clean scope (%)	-20-+20	-20-+20
Welding Current(A)	15-315	15-315
Current Up Slope Time(S)	0-15	0-15
Current Down Slope Time(S)	0-15	0-15
Gas Pre-flow Time(S)	0-99.9	0-99.9
Gas Post-flow Time(S)	0-99.9	0-99.9
Rated Duty Cycle%(40°C)	35	35
Efficiency(Rated Conditions)	0.85	0.85
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	1000mm*420mm*1130mm	1000mm*420mm*1130mm

Advantage:

- Durable structure for higher efficient application
- Precise amperage output
- Professional spec. programmable





MIG SERIES



Gas metal arc welding (GMAW), sometimes referred to by its subtypes metal inert gas (MIG) welding or metal active gas (MAG) welding, is a semi-automatic or automatic arc welding process in which a continuous and consumable wire electrode and a shielding gas are fed through a welding gun. A constant voltage, direct current power source is most commonly used with GMAW, but constant current systems, as well as alternating current, can be used. There are four primary methods of metal transfer in GMAW, called globular, short-circuiting, spray, and pulsed-spray, each of which has distinct properties and corresponding advantages and limitations.

Model		MIG 250	MIG 315	Delta MIG 400 Pro	Delta MIG 500 Pro	MIG 400	MIG 500	MIG 630	MIG 400D	MIG 500D	MIG 630D	MIG 255	MIG 355	MIG 505
Input	Voltage	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3 / 380 50/60	3/200-440 50/60	3/200-440 50/60	3/200-440 50/60
	Wire Feed Speed ipm	1-18	1-18	1.3-22	1.3-22	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18	1-18
	Wire size diameter Range	0.8-1.2	0.8-1.2	0.8-1.2	0.8-1.6	0.8-1.2	0.8-1.6	1.0-1.6	0.8-1.2	0.8-1.6	1.0-1.6	0.8-1.2	0.8-1.2	0.8-1.6
Process	MIG/MAG	■	■	■	■	■	■	■	■	■	■	■	■	■
	Flux-Cored	■	■	■	■	■	■	■	■	■	■	■	■	■
	Stick	■	■	■	■	■	■	■	■	■	■	■	■	■
	Welding Thickness(mm)	1.0-10	1.0-12	2.0-30	2.0-50	2.0-30	2.0-50	2.0-50	2.0-30	2.0-50	2.0-50	1.0-10	2.0-30	2.0-50
	Wire spool Capable	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg	20kg
Dimensions (mm/in)	XS													
	S													
	M	■	■			■			■			■	■	
	L			■	■		■	■		■	■			■
Net Weight(kg)		27	28	78	80	78	80	94	78	80	94	34	83	86

MAIN FUNCTIONS:

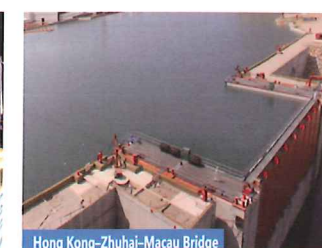
MIG/MAG machines enjoy widespread use because of its ability to provide high quality welds, for a wide range of ferrous and non-ferrous alloys, at a low price.

- ▶ The ability to join a wide range of material types and thicknesses.
- ▶ All-position welding capability.
- ▶ Excellent weld bead appearance.
- ▶ Lower hydrogen welds deposit.
- ▶ Better heat releasing
- ▶ Minimum spatter and slag faster clean up
- ▶ Less welding fumes

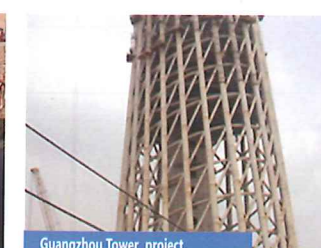
APPLICATIONS:



Asia Game open ceremony construction



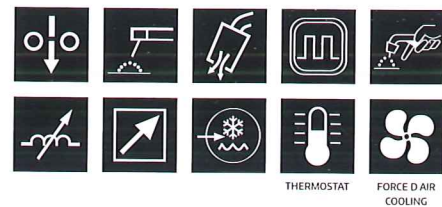
Hong Kong-Zhuhai-Macau Bridge



Guangzhou Tower project



MIG SERIES



THERMOSTAT
FORCE D'AIR
COOLING

Excellent weld bead appearance.

The ability to join a wide range of material types and thicknesses.

All-position welding capability

IP23



MIG 250

MIG/MAG machines enjoys widespread use because of its ability to provide high quality welds, for a wide range of ferrous and non-ferrous alloys.

A minimum of weld spatter and slag makes weld clean up fast and easy.

PANEL FEATURES:



Application:

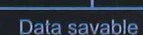
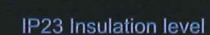
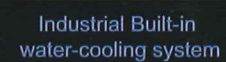
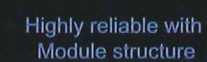
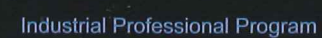
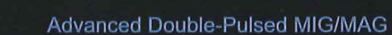
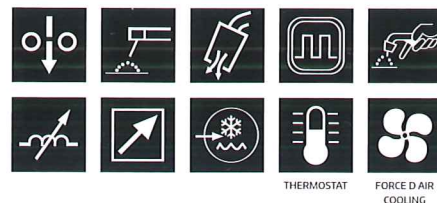


Technical Parameters	MIG 250	MIG 315
Input Voltage (V)	3PH380±15%	3PH380±15%
Frequency(Hz)	50/60	50/60
Rated Input Current (A)	13.3	22
Rated Input Power(KVA)	8.8	14.4
No-load Voltage(V)	73	76
Rated Duty Cycle(%)	35	35
Output Current (A)	50-250	50-315
Output Voltage (V)	16.5-26.5	16-29.8
Wire Diameter (mm)	Φ0.8-Φ1.2	Φ0.8-Φ1.2
Wire Type	solid /flux-cored	solid /flux-cored
Welding Method	Manual setting	Manual setting
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	550X260X500	550X260X500
Net Weight(Kg)	27	28

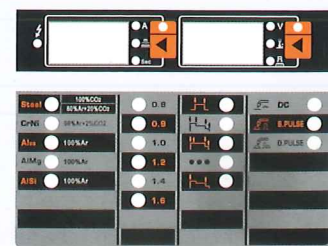
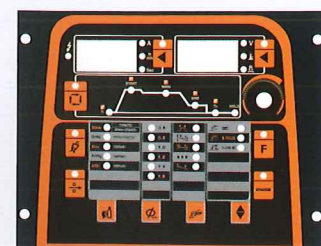
Advantage:

- ▶ Light fabrication
- ▶ Easy to operate
- ▶ Wire feeder separated





PANEL FEATURES:



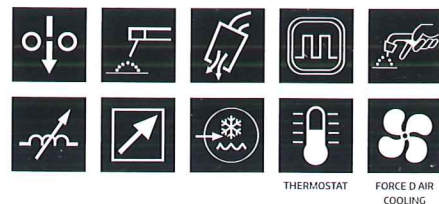
Technical Parameters	Delta MIG400Pro	Delta MIG500pro
Input Voltage（V）	3PH380±15%	3PH380±15%
Frequency(Hz)	50/60	50/60
Input Current（Effective Value）(A)	28	42
Input Power (KVA)	18	27
External Fuse（A）	40	60
No-load Voltage(V)	64	68
Rated Duty Cycle(%)(40℃)	60	60
Welding Current(A)	50-400	50-500
Wire Feed Speed（m/min）	1.3-22	1.3-22
Wire Diameter(mm)	0.8-1.0-1.2	0.8-1.0-1.2-1.6
Wire spool Capable（Kg）	20	20
Power Factor（cos）	0.9	0.9
Efficiency (Rated Conditions)	0.88	0.88
Protection Class	IP23S	IP23S
Cooling Method	Water Cooling	Water Cooling
Insulation Grade	F	F
Dimension(mm)	1000x420x1390	1000x420x1390
Net Weight	78	80

Advantage:

- ▶ Support high speed welding
- ▶ Least fumes and slag
- ▶ All position capable



MIG SERIES



Full Digit-control

Experienced Programmed adjustable

Anti-melting ball

Highly reliable with module structure

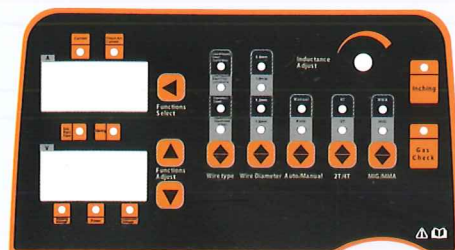


MIG 500DW

IP23 Insulation level

Industrial built-in water-cooling system

DIGIT-SYNERGIC



Application:

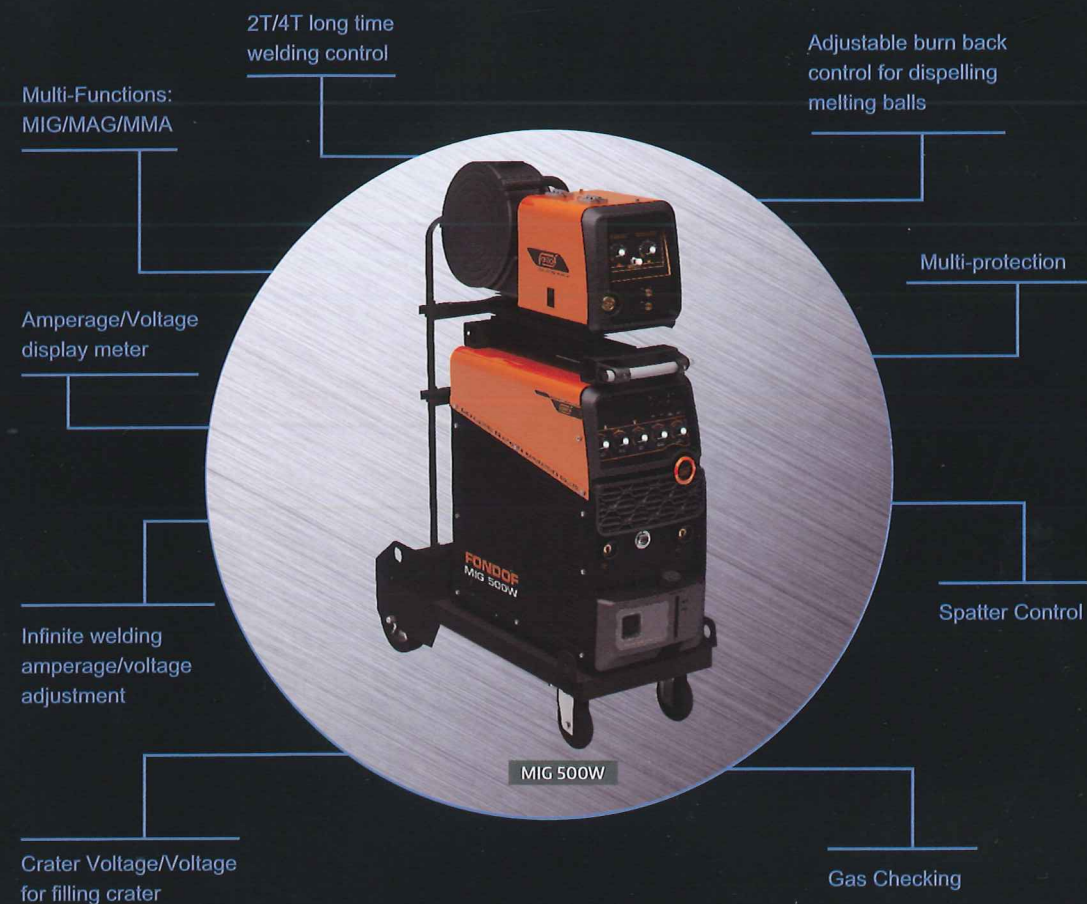
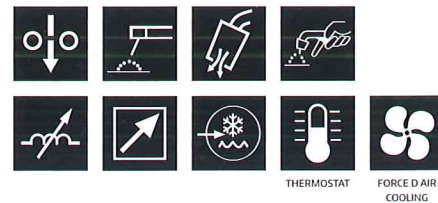


Technical Parameters	MIG 400D(W)	MIG500D(W)	MIG630D(W)
Input Voltage (V)	3PH380±15%	3PH380±15%	3PH380±15%
Frequency (HZ)	50/60	50/60	50/60
Rated Input Current (A)	22	36	63
Rated Input Power (KVA)	14	24	41
No-load Voltage (V)	58	80	82
Rated Duty Cycle(%)	60	60	60
Output Current (A)	30-400	30-500	50-630
Output Voltage (V)	10-40	15-50	15-55
Crater Current (A)	30-400	30-500	50-630
Crater Voltage (V)	10-40	15-50	15-55
Wire Diameter (mm)	0.8/1.0/1.2	0.8/1.0/1.2/1.6	1.0/1.2/1.6
Wire type	solid /flux-cored	solid /flux-cored	solid /flux-cored
Welding Method	Manual setting/syergic	Manual setting/syergic	Manual setting/syergic
Gas Pre-flow Time (S)	0-1	0-1	0-1
Gas Post-flow Time (S)	0-99.9	0-99.9	0-99.9
Welding Thickness (mm)	2-30	2-50	2-50
Protection Class	IP23S	IP23S	IP23S
Insulation Grade	F	F	F
Dimensions(mm)	1000x420x1390	1000x420x1390	1065x420x1400
Net Weight(Kg)	78	80	94

Advantage:

- ▶ Heavy duty
- ▶ Support high efficiency welding
- ▶ All position capable





PANEL FEATURES:



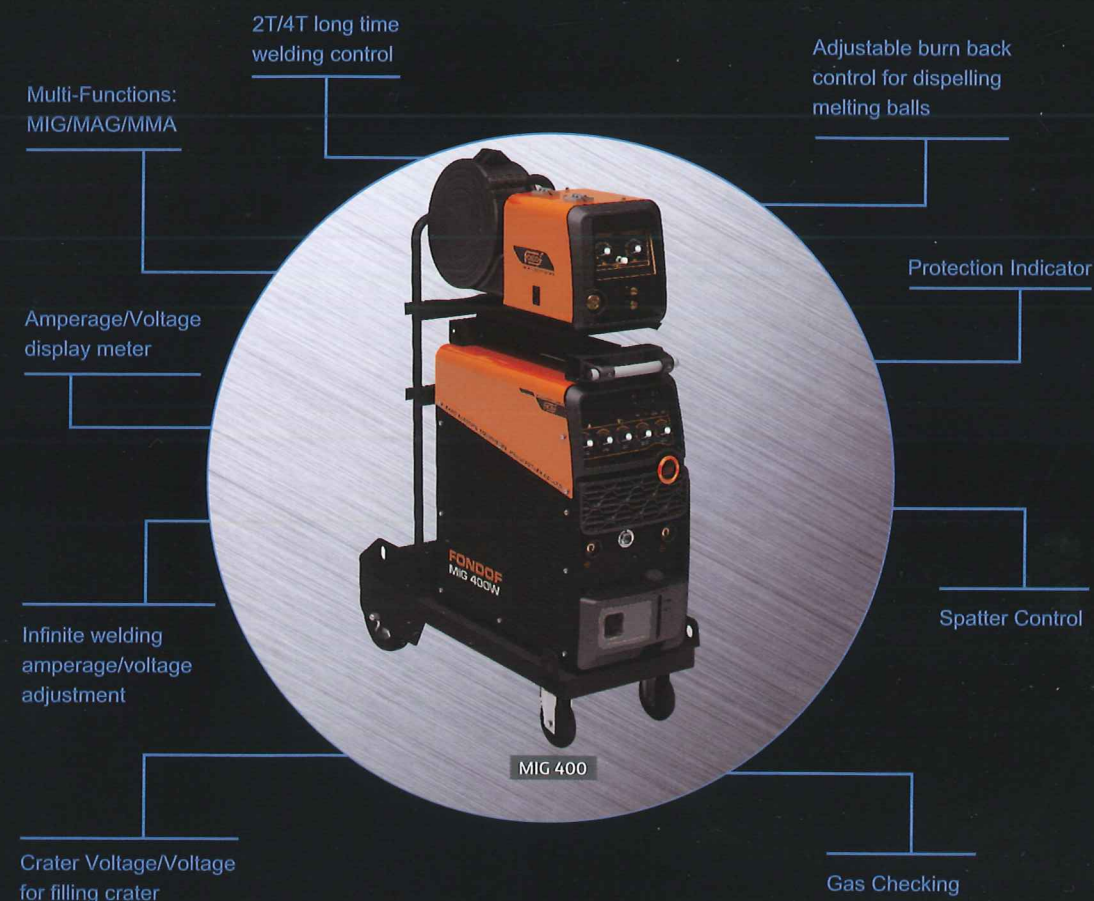
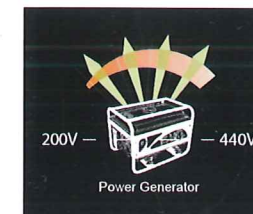
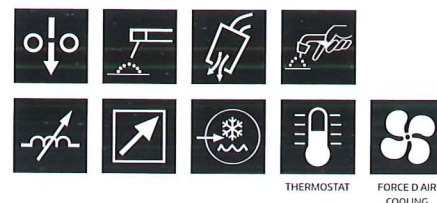
Technical Parameters	MIG 400(W)	MIG 500(W)	MIG 630(W)
Input Voltage（V）	3PH380±15%	3PH380±15%	3PH380±15%
Frequency（HZ）	50/60	50/60	50/60
Rated Input Current（A）	22	36	63
Rated Input Power（KVA）	14	24	41
No-load Voltage（V）	58	80	82
Rated Duty Cycle(%)	60	60	60
Output Current（A）	30-400	30-500	50-630
Output Voltage（V）	10-40	15-50	15-55
Crater Current（A）	30-400	30-500	50-630
Crater Voltage（V）	10-40	15-50	15-55
Wire Diameter（mm）	0.8/1.0/1.2	0.8/1.0/1.2/1.6	1.0/1.2/1.6
Wire type	solid /flux-cored	solid /flux-cored	solid /flux-cored
Welding Method	Manual setting	Manual setting	Manual setting
Welding Thickness（mm）	2-30	2-50	2-50
Protection Class	IP23S	IP23S	IP23S
Insulation Grade	F	F	F
Dimensions(mm)	1000x420x1390	1000x420x1390	1065x420x1400
Net Weight(Kg)	78	80	94

Advantage:

- ▶ Heavy duty
- ▶ All position capable
- ▶ Module structure



mig 255/355/505
global input voltage: 220-440v



PANEL FEATURES:



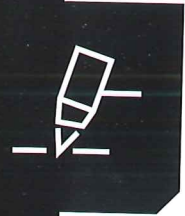
Application:



Technical Parameters	MIG 255	MIG 355	MIG 505
Input Voltage（V）	3PH200V~440V±15%	3PH200V~440V±15%	3PH200V~440V±15%
Power Frequency（HZ）	50/60	50/60	50/60
Rated Input Current（A）	22	45	65
Rated Input Power（KVA）	8.4	17	25
No-load Voltage（V）	40	41	41
Rated Duty Cycle%	60	60	60
Output Current（A）	40-250	50-350	50-500
Output Voltage（V）	16-26.5	16.5-31.5	16.5-39
Crater Current（A）	40-250	50-350	50-500
Crater Voltage（A）	8-40	12-36	15-45
Wire Diameter（mm）	0.8/1.0/1.2	0.8/1.0/1.2	0.8/1.0/1.2/1.6
Wire type	solid /flux-cored	solid /flux-cored	solid /flux-cored
Welding Method	Manual setting	Manual setting	Manual setting
Welding Thickness（mm）	1-10	2-30	2-50
Protection Class	IP23S	IP23S	IP23S
Insulation Grade	F	F	F
Dimensions(mm)	550x260x500	1000x420x1390	1000x420x1390
Net Weight(Kg)	34	83	86
water-cooling system	Optional	Optional	Optional

Advantage:

- ▶ Ideal for generator input
- ▶ Heavy duty
- ▶ All position applicable



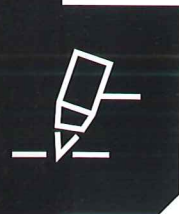
CUT SERIES



Plasma cutting is a process that is used to cut steel and other metals of different thicknesses (or sometimes other materials) using a plasma torch. In this process, an inert gas (in some units, compressed air) is blown at high speed out of a nozzle; at the same time an electrical arc is formed through that gas from the nozzle to the surface being cut, turning some of that gas to plasma.



Model		CUT2000(N)	CUT2000D(N)	CUT3000(N)	CUT4500(N)	CUT5000(N)	CUT6000(N)
Input	Input Voltage(V/Hz)	1~220V (50/60Hz)	1~220V (50/60Hz)	3~380V (50/60Hz)	3~380V (50/60Hz)	3~380V (50/60Hz)	3~380V (50/60Hz)
	Recommended Generator Power(KVA)	6.3	6.3	9.8	20	25	30
Quality Cutting Thickness	Mild Steel (mm)	0.5--15	0.5--15	1--25	3--30	3--35	3--45
	Stainless Steel (mm)	0.5--15	0.5--15	1--25	3--30	3--35	3--45
	Aluminium (mm)	0.5--10	0.5--10	1--15	3--20	3--25	3--30
Features	2T/4T		■	■	■	■	■
	Over-loaded Protection	■	■	■	■	■	■
	Maximum cutting Thickness (mm)	20	20	30	45	50	60
Dimensions(mm/in)	XS						
	S	■	■				
	M			■			
	L				■	■	■
Weight(kg)		11.5	12	28	75	76	94



CUT SERIES

cut 2000d



Full digit-control

Max Cutting Thickness:
20mm

Multi-protection and alarm
functions

Pre-flow checking & Post-flow
Cooling

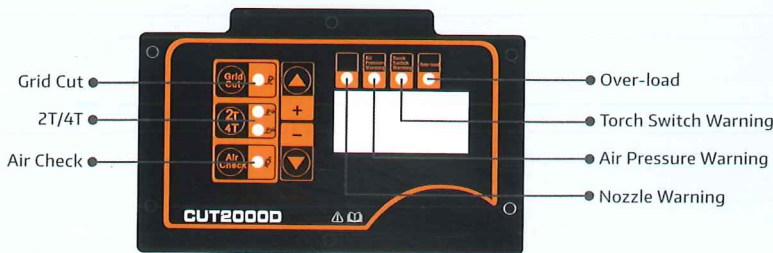
2T/4T



CUT2000D

Pilot arc applicable
for grid workpiece

PANEL FEATURES:



Application:



Technical Parameters	CUT2000	CUT2000D(N)
Rated Input Power Voltage(V)	1PH220±15%	1PH220±15%
Power Frequency (HZ)	50/60	50/60
Rated Input Current(A)	28.8	28.8
Rated Input Power(KVA)	6.3	6.3
No-load Voltage (V)	275	275
Welding Current(A)	15-40	15-40
Rated Duty Cycle (%)	60	60
Quality Cutting Thickness (Mild Steel/mm)	0.5-15	0.5-15
Quality Cutting Thickness(Stainless Steel/mm)	0.5-15	0.5-15
Quality Cutting Thickness(Aluminum Steel/mm)	0.5-10	0.5-10
Maximum Cutting Thickness (MildSteel/mm)	20	20
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimension (mm)	500x200x330	500x200x330
Weight (kg)	11.5	12

Advantage:

- ▶ Quality cut 15mm
- ▶ Maximum cut 20mm
- ▶ CNC applicable



CUT SERIES

cut 3000(n)



Full digit-control

Pre-flow checking & Post-flow Cooling

Max Cutting Thickness: 30mm

2T/4T



Multi-protection and alarm functions

Pilot arc applicable for grid workpiece

PANEL FEATURES:



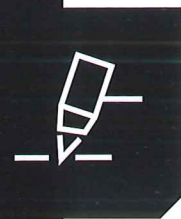
Application:



Technical Parameters	CUT3000(N)
Rated Input Power Voltage(V)	3PH380±15%
Power Frequency (HZ)	50/60
Rated Input Current(A)	14.8
Rated Input Power(KVA)	9.8
No-load Voltage (V)	300
Welding Current(A)	25-60
Rated Duty Cycle 100%	100
Quality Cutting Thickness (Mild Steel/mm)	1--25
Quality Cutting Thickness (Stainless Steel/mm)	1--25
Quality Cutting Thickness (Aluminum Steel/mm)	1--15
Maximum Cutting Thickness (Mild Steel/mm)	30
Insulation Grade	F
Protection Class	IP23S
Dimension (mm)	550x260x500
Weight (kg)	28

Advantage:

- ▶ Quality cut 25mm
- ▶ Maximum cut 30mm
- ▶ CNC applicable



CUT SERIES

cut 5000



Application:



Technical Parameters	CUT4500	CUT5000	CUT6000
Rated Input Power Voltage(V)	3PH380±15%	3PH380±15%	3PH380±15%
Power Frequency (HZ)	50/60	50/60	50/60
Rated Input Current(A)	30	38	45
Rated Input Power(KVA)	20	25	30
No-load Voltage (V)	300	300	325
Welding Current(A)	25-100	25-120	25-160
Rated Duty Cycle 100%(40℃)	100A/120V	120A/128V	160A/144V
Quality Cutting Thickness(Mild Steel/mm)	3--30	3--35	3--45
Quality Cutting Thickness(Stainless Steel/mm)	3--30	3--35	3--45
Quality Cutting Thickness(Aluminum Steel/mm)	3--20	3--25	3--30
Maximum Cutting Thickness(Mild Steel/mm)	45	50	60
Insulation Grade	F	F	F
Protection Class	IP23S	IP23S	IP23S
Dimension (mm)	1000x420x1130	1000x420x1130	1065x420x1140
Weight (kg)	75	76	94

Advantage:

- ▶ Strong output
- ▶ Professional application
- ▶ 100% duty cycle

Full digit-control panel

Pre-flow clean-up & Post-flow
Cool-down

IP23S

CNC applicable



CUT5000

Multi-protection

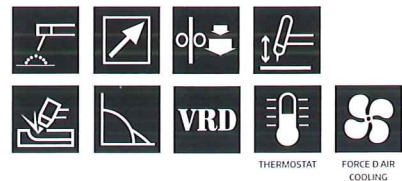
Grid cuttable

PANEL FEATURES:





ARC SERIES



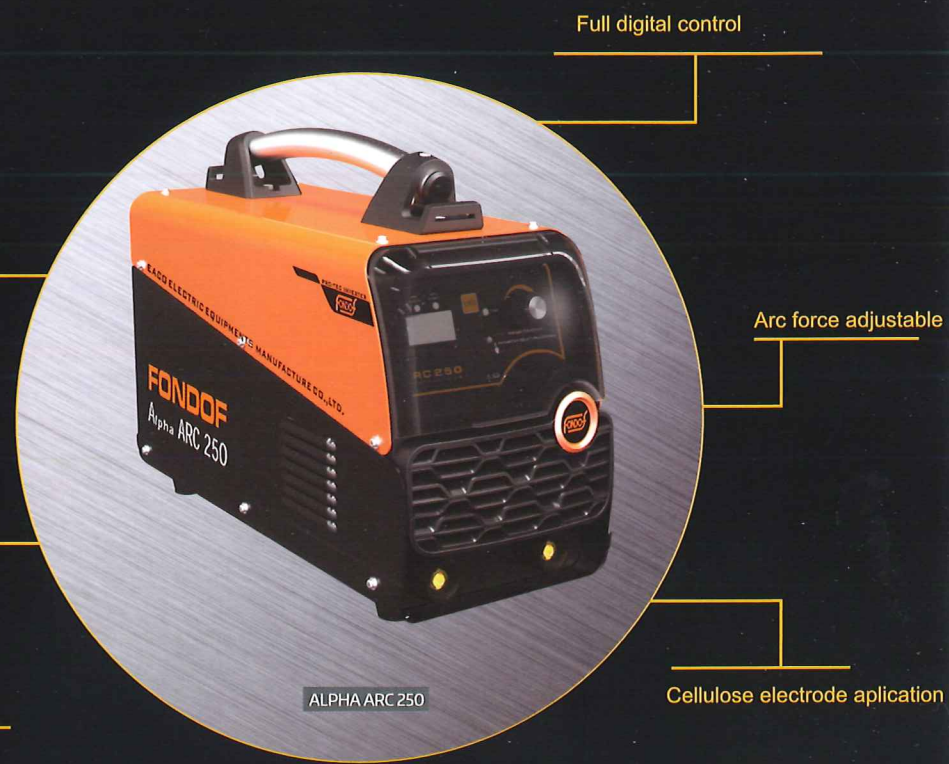
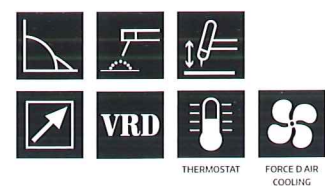
Shielded metal arc welding (SMAW), also known as manual metal arc (MMA) welding, and flux-shielded arc welding or informally as stick welding, is a manual arc welding process that uses a consumable electrode coated in flux to lay the weld.

Model		Alpha ARC 200	Alpha ARC 250	ARC 305	ARC 405	ALPHA ARC 3500	ARC 4000	ARC 5000	ARC 6300	ARC 4050	ARC 5050	
Input	Voltage	1/220V	3/380V	3/200V ~440V	3/200V ~440V	1&3/22 0V	3/380V	3/380V	3/380V	3/200V ~440V	3/200V ~440V	
	Hertz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	
Process	Stick	■	■	■	■	■	■	■	■	■	■	
	TIG LIFT (DC TIG)	■	■	■	■	■	■	■	■	■	■	
	Arc Gouge							■	■		■	
Features	Hot Start	■	■	■	■	■	■	■	■	■	■	
	Arc Force	■	■			■	■	■	■	■	■	
	METERS	AMMETER	■	■			■	■	■	■	■	■
		VOLTMETER					■	■	■	■	■	■
	Remote Control						■	■	■	■	■	
	Soft Start	■	■			■	■	■	■	■	■	
	VRD	■	■			■	■	■	■	■	■	
Absent Phase Protection		■	■			■	■			■		
Over Voltage Protection		■	■			■	■			■		
Over-load Protection		■	■	■	■	■	■	■	■	■	■	
Dimensions(mm/in)	XS											
	S	■	■									
	M			■	■	■						
	L						■	■	■	■	■	
Weight(kg)		11.1	12.5	25	26	27	68	71	91	70	73	



ARC SERIES

alpha platform



Anti-sticking

Full digital control

Arc force adjustable

Cellulose electrode application

Instant Arc start

ALPHA ARC 250

PANEL:



Application:



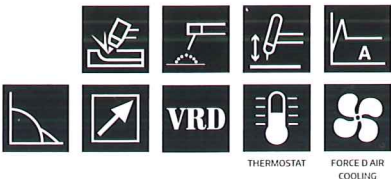
Technical Parameters	Alpha ARC 200	Alpha ARC 250
Rated Input Voltage (V)	2PH220±15%	2PH220±15%
Power Frequency(Hz)	50/60	50/60
Rated Input Current (A)	42	55
Rated Input Power(KVA)	9.2	12
External Fuse (A)	60	60
No-load Voltage(V)	60	60
Welding Current (A)	20-200	20-250
Rated Duty Cycle%(40 C)	30%	30%
VRD Control	Yes	Yes
Arc Ignition Current	Yes	Yes
Arc Force Current	Yes	Yes
Anti-stick	Yes	Yes
Remote Control	No	No
Efficiency(Rated Conditions)	≧ 0.85	≧ 0.85
Insulation Class	F	F
Protection Grade	IP23S	IP23S
Dimension(mm)	600 195 303	600*195*303
Net Weight (kg)	11.1	12.5

Advantage:

- ▶ Full digital control panel
- ▶ 13V VRD voltage ,easier arc start
- ▶ Cellulose electrode applicable

ARC SERIES

arc 305/405
global iutput: 200-440v



Heavy duty cycle

Digit-control PCB
Easy to operate

smouth not start

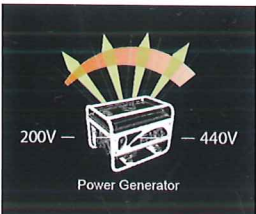
Overload protect

ARC force adjustable

Cellulose electrode
applicable

ARC 405

PANEL FEATURES:



Application:



Technical Parameters	ARC 305	ARC 405
Rated Input Voltage (V)	3PH200V~440V±15%	3PH200V~440V±15%
Power Frequency(Hz)	50/60	50/60
Rated Input Current (A)	32	48
Rated Input Power(KVA)	12	15
No-load Voltage(V)	100	100
Welding Current(A)	15-250(3PH-380V) 15-180(3PH-220V)	15-315(3PH-380V) 15-250(3PH-220V)
Duty Cycle(%)	35	35
Efficiency (Rated conditions)	≥ 0.85	≥ 0.85
Wire Diameter (MM)	2.5-4.0	2.5-5.0
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	550x260x500	550x260x500
Net Weight(Kg)	25	26

Advantage:

- ▶ Heavy duty
- ▶ Specialized for generator input
- ▶ All positions applicable

ARC SERIES

alpha platform



Heavy duty cycle

VRD

ARC force adjustable

Full digit control

Instant
ARC start

ARC 350

Multi protect
Over load
Over heat
Under voltage

Cellulose electrode
applicable

PANEL FEATURES:



Application:



Technical Parameters	Alpha ARC 350
Rated Input Voltage (V)	1PH/3PH-220V±15%
Power Frequency(Hz)	50/60
Rated Input Current (A)	42AC(3PH-220) 54AC(1PH-220)
Rated Input Power(KVA)	16
No-load Voltage(V)	81
Welding Current(A)	20-350 (3PH-220V) 20-250(1PH-220V)
Duty Cycle(40℃)	350A@45% (3PH-220V) 250A@60%(1PH-220V)
Efficiency (Rated conditions)	≥ 0.85
Wire Diameter (MM)	2.5-6.0
Insulation Grade	F
Protection Class	IP23S
Dimensions(mm)	550x260x500
Net Weight(Kg)	27

Advantage:

- Profession spec.
- Industrial solution
- All electrode support

ARC SERIES



Heavy duty cycle

Digit display panel

Instant ARC start

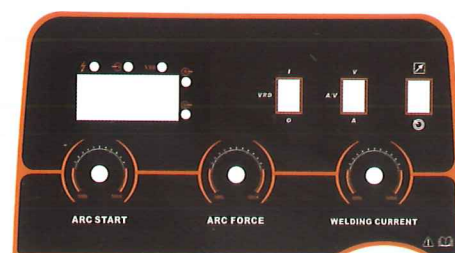
ARC 500D

Overload protect

ARC force adjustable

Cellulose electrode applicable

PANEL FEATURES:



Application:



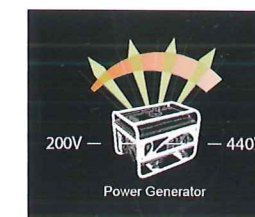
Technical Parameters	ARC 400D	ARC 500D	ARC 630D
Rated Input Voltage (V)	3PH380±15%	3PH380±15%	3PH380±15%
Power Frequency(Hz)	50/60	50/60	50/60
Rated Input Current (A)	27	36	52
External Fuse (A)	40	60	60
No-load Voltage(V)	80	80	82
Welding Current (A)	40-400	40-500	40-630
Rated Duty Cycle (%)	60	60	60
VRD Control	Yes	Yes	Yes
Arc Ignition Current	Yes	Yes	Yes
Arc Force Current	Yes	Yes	Yes
Anti-stick	Yes	Yes	Yes
Remote Control	Yes	Yes	Yes
Efficiency(Rated Conditions)	≥0.85	≥0.85	≥0.85
Insulation Class	F	F	F
Protection Grade	IP23S	IP23S	IP23S
Dimension(mm)	710x340x880	710x340x880	710x340x880
Net Weight (kg)	68	71	91

Advantage:

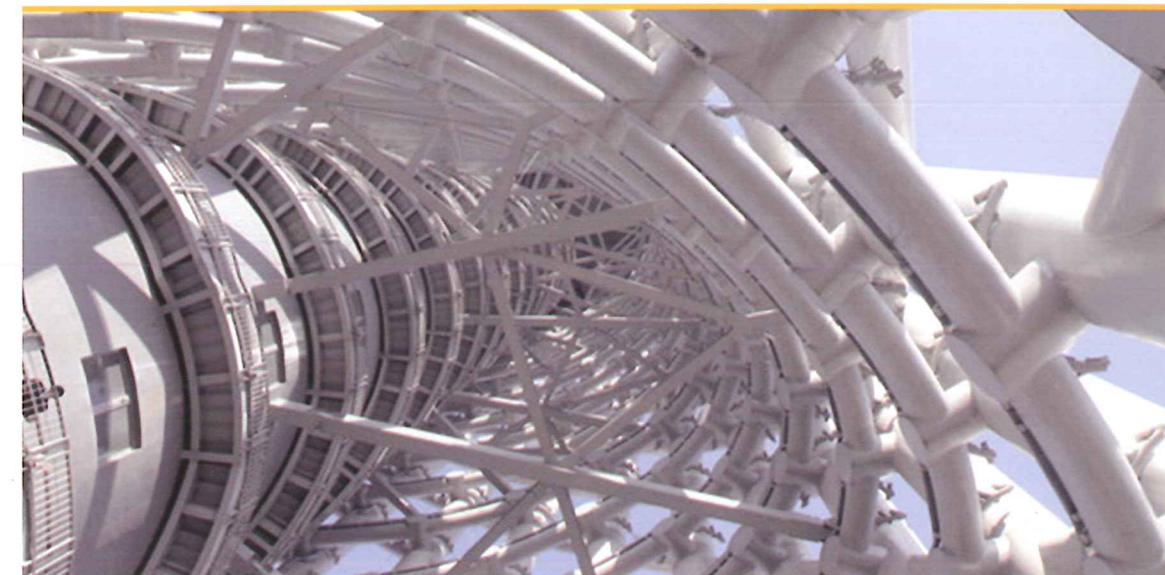
- ▶ Heavy duty
- ▶ Gouging
- ▶ All positions applicable

ARC SERIES

arc 405d/505d
global input :200~440v

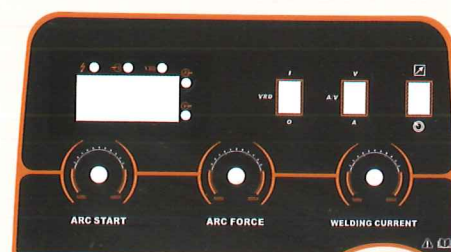


Application:



Technical Parameters	ARC 405D	ARC 505D
Rated Input Voltage (V)	3PH200V~440V±15%	3PH200V~440V±15%
Power Frequency(Hz)	50/60	50/60
Rated Input Current (A)	55	65
No-load Voltage(V)	78	80
Welding Current(A)	40-400(3PH-380V) 40-380(3PH-220V)	40-500(3PH-380V) 40-450(3PH-220V)
Duty Cycle(%)	60	60
Efficiency (Rated conditions)	≥ 0.85	≥ 0.85
Wire Diameter (MM)	2.5-6.0	2.5-6.0
Insulation Grade	F	F
Protection Class	IP23S	IP23S
Dimensions(mm)	710x340x880	710x340x880
Net Weight(Kg)	70	73

PANEL FEATURES:



Advantage:

- ▶ Professional spec.
- ▶ Industrial solution
- ▶ All electrode and position applicable