

SALES | SERVICE | SKILLING . . .



Available
50 in
Countries

45 Years
of
Manufacturing
Excellence

WORLD CLASS WELDING & CUTTING EQUIPMENTS



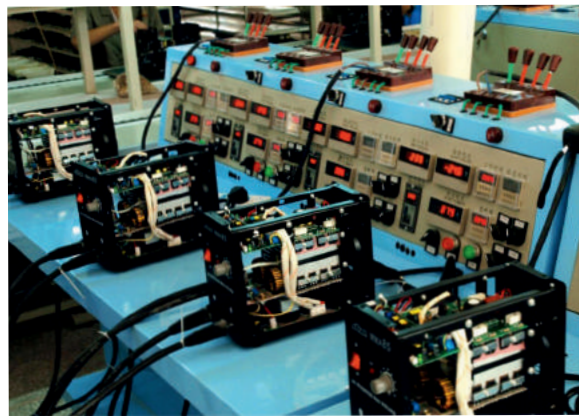
Manufacturing Head Quarters, Malaysia



Automatic Production Line



Assembly Line



State of the art testing facility



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WIM - To be the customers' preferred brand choice, providing Total Welding Solutions with excellent after sales support.

The Story - 1972:

Founded by seven Leong brothers, Welding Industries Malaysia (WIM) is a global manufacturer of World Class Welding and Cutting Equipments.

WIM India is an Indo Malaysian Joint Venture between Welding Industries Malaysia Sdn. Bhd and Centroid Group, India. It is a part of a Rs. 1500 Million (USD 20 Million) industrial conglomerate with over five decades of proven track record in the engineering industry. Our rich experience in Manufacturing, Marketing and Service management enable us to provide our customers thoroughly researched, tested and customised solutions that meet their specific requirements. Our specialist engineers and technologists are actively involved in the development of user-friendly, reliable and industry-specific products.

As a leader and prime manufacturer in the field of welding products, it has an on-going commitment to produce high quality products and offer excellent services. **WIM** won the Best Product Award 2003 given by trade organization Small and Medium Industries of Malaysia .

About 70 per cent of more than 60 models of Welding Machines, particularly key parts like transformers and PCBs are manufactured inhouse. **WIM** range of products include GMAW, GTAW, Spot Welding, Plasma Cutting, Plasma Welding and Welding Automation.

Embracing exports and localizing the product to all corner of the globe, global marketing represents a substantial proportion of the turnover and sustained market penetration into export markets promises continuous development of **WIM** business worldwide.

WIM will be broadening its product range to include high-technology welding machines to cater to the developed countries. Our commitment to originality and innovative-technology ensures that growth to date will be more than matched by future achievements.

With a global presence, a growing portfolio of products and services and an impressive list of clientele we are always ready for a new future, a future that will expand our operations, extend our international reach and bring us exponential growth.

WIM also provides excellent after-sales support and are into Skill Development of customers and students.

WIM Vision

To be a respected world-class organisation and the most respected company in the field of Welding in terms of quality, productivity and customer satisfaction.

WIM Credo

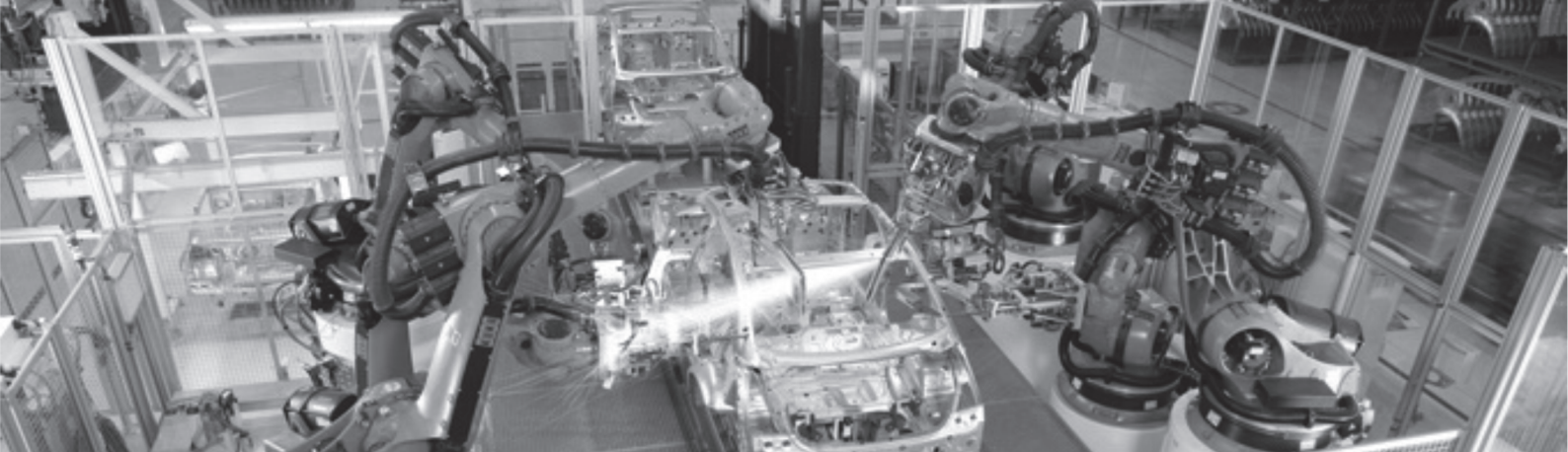
- Building lasting relationships with customers based on trust and commitment
- Upholding highest ethical standards in conduct of business
- Creating and nurturing the spirit of innovation
- Making a meaningful contribution to the society

The Team

Clear vision, a sense of dedication and purpose, roll-up-your-sleeves work ethics, willingness to walk the extra mile ... few traits are of **WIM**. The promoters personify the true spirit of enterprise and have a burning passion to excel in whatever enterprise they venture into. Since its inception **WIM** has established a reputation that's envied by many. The management team is well supported by skilled and dedicated workforce. **WIM** is backed by specialist engineers and technologists who are actively involved in the design and development of innovative and industry specific products.

Each and every product of **WIM**, bear the stamp of excellence.

WIM always assures happy and safe welding.



Process Icons



ARC



MIG



TIG



Plasma



Spot



Multi Process



Multi - Operator



Submerged ARC



Diesel Engine Drive



Automation



Genuine Accessories

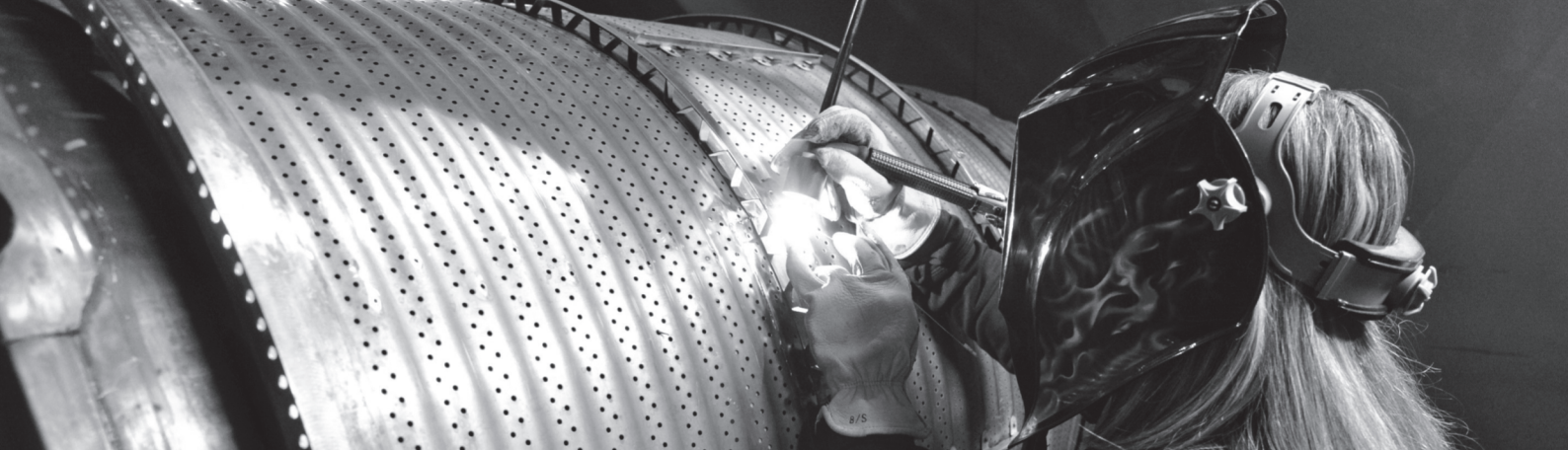


Skill Development

International Recognition



R&D being a continuous process, specifications are subject to change without prior notice.



Technical Icons



Confirms
to CE



RoHS
Complaint



Confirms
to GS



Single Phase
Input



Two Phase
Input



Three Phase
Input



Inverter
Technology



IGBT
Inside



AC Output



DC Output



AC / DC
Output



Constant
Voltage



Constant
Current



Scratch
TIG



High Frequency
Arc



Pulse Width
Control



Analog
Metres



Foot Pedal
Operation



Step
Control



Electronic
Control



Four Roller
Feeder



Pneumatic
Air



Rocker
Arm



Digital Amp.
Meter



Digital
Display



Microprocessor
Controlled



Cooling Fan
Inside



Temperature
Sensor



With Castors



With
Lifting Hook



ARC (MMA)



Manual Metal Arc (MMA) welding is a process that is used to join metal to metal by using electricity to create enough heat to melt metal, and the melted metals when cool result in a binding of the metals. It is a type of welding that uses a welding power supply to create an electric arc between an electrode and the base material to melt the metals at the welding point. They can use either Direct (DC) or Alternating (AC) Current, and consumable or non-consumable electrodes. The welding region is usually protected by some type of shielding gas, vapour, or slag. Arc welding processes may be manual, semi-automatic, or fully automated. First developed in the late part of the 19th century, arc welding became commercially important in shipbuilding during the Second World War. Today it remains an important process for the fabrication of steel structures and vehicles.



ARC (MMA) Transformers



TX Range

PROFESSIONAL

Models: TX 200/250/300

Features

- Stainless Steel Body
- Reliable Technology
- 7 Step Amps. Selection
- Stable arc and less spatter
- Continuous rating
- Welds all basic electrodes

Welds

- Steel
- Stainless Steel



Technical Specifications	TX 200	TX 250	TX 300
Input Voltage (V)-(1Ph/3Ph)	230/415	230/415	230/415
Frequency (Hz)	50/60	50/60	50/60
Rated Input Power (KvA)	12.5	15	18
Output Current Range (A)	80 - 200	90 - 250	90 - 300
Duty Cycle (%)	20	20	20
Efficiency (%)	85	85	85
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	20	22	26
Dimension (mm)	455 x 210 x 320	455 x 210 x 320	455 x 210 x 320
Usable Electrode-MS 6013-(mm)	2.5 to 3.15	2.5 to 4.0	2.5 to 5.0
Product Reference	BX6-200B	BX6-250B	BX6-300B
Product Code	JB891062	JB891063	JB891071

Optional Accessories





ARC (MMA) Transformers



TXi Range

HEAVY INDUSTRIAL

Models: TXi 200/300/400/500/600

Features

- Moving core type.
- Forced air cooling mechanism.
- Suitable for welding ferrous metal workpiece with general AC electrode.
- Stable arc, less spatter and deep penetration ensures welding quality.
- Simple construction
- High efficiency
- Easy to operate and maintain
- Single Phase Models available on request

Welds

- Steel
- Stainless Steel
- Cast Iron



3PHASE



AC



Technical Specifications	TXi 200	TXi300	TXi 400	TXi 500	TXi 600
Input Voltage (V)-(1Ph/3Ph)	230/415	380/415	380/415	380/415	380/415
Selection of Phase	1/2 Phase	2 Phase	2 Phase	2 Phase	2 Phase
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
No Load Voltage (V)	55	60	70	76	76
Output Current Range (A)	50 - 250	60 - 315	80 - 400	100 - 500	125 - 600
Rated Input Capacity (KVA)	16.5	24	33.4	41.8	52.6
Duty Cycle (%)	35%	35%	35%	35%	35%
Insulation Class	F	F	F	F	F
Protection Class	IP21	IP21	IP21	IP21	IP21
Weight (Kgs.)	52	61	73	86	99
Dimension (mm)	580x425x620	655x485x705	655x485x705	655x485x705	655x485x705
Usable Electrode - MS 6013 - (mm)	1.6 to 3.2	2.5 to 4.0	2.5 to 5.0	2.5 to 6.0	3.2 to 8.0
Product Reference	BX1-250	BX1-315	BX1-400	BX1-500	BX1-630
Product Code	JB891100	JB891101	JB891102	JB891103	Jb891104

Machines with Aluminium Transformer windings are also available

Optional Accessories



Euro Series



ARC (MMA) Transformers



AC Range

HEAVY INDUSTRIAL

Models: AC 200A/300A/400A/500A

Features

- Heavy duty and rugged
- Smooth adjustment of welding current
- Natural Cooling
- Non Water penetrant design

Welds

- Steel
- Stainless Steel
- Cast Iron



2PHASE

AC



Technical Specifications	AC 200A	AC 300A	AC 400A	AC 500A
Input Voltage (V)-(1Ph/2Ph)	230/415	380/415	380/415	380/415
Input Current (Amps.)	30	60	76	100
Frequency (Hz)	50/60	50/60	50/60	50/60
Welding Current (Amps.)	55 - 200	55 - 300	80 - 400	85 - 500
Open Circuit Voltage (V)	62	76	76	79.4
Duty Cycle %	40	40	40	60
Weight (Kgs.)	73	95	140	185
Dimensions W x L x H (mm)	490 x 300 x 600	425 x 340 x 660	430 x 700 x 580	451 x 627 x 892

Optional Accessories





ARC (MMA) Rectifiers



ER Range

HEAVY INDUSTRIAL

Models: ER 300/400/500

Features

- Reliable Technology
- Stable arc and less spatter
- Excellent arc control
- Deep Penetration and excellent strength
- Heavy Duty & Rugged
- Continuous rating
- Welds all basic and cellulose electrodes
- Silicon Rectifier

Welds

- Steel
- Stainless Steel
- Cast Iron
- Low Alloy Steel



3PHASE



DC
+ -



Technical Specifications	ER 300	ER 400	ER 500
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Frequency (Hz)	50/60	50/60	50/60
Rated Input Current (KvA)	20.5	28	40
Rated Output Current (A)	300	400	500
Output Current Range (A)	120 - 300	140 - 400	140 - 500
No Load Voltage (V)	55-68	60-80	60-80
Duty Cycle (%)	35	35	35
Adjustment Steps	7	7	7
Power Factor	0.8	0.8	0.8
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	110	116	125
Dimension (mm)	640 x 440 x 750	680 x 580 x 920	680 x 580 x 920
Usable Electrode - MS 6013 - (mm)	3.2-5	3.2-6	3.2-8
Product Reference	ZX6-315	ZX6-400	ZX6-500
Product Code	JB891120	JB891121	JB891122

Optional Accessories



Economy Series



ARC (MMA) Rectifiers



RS Range

HEAVY INDUSTRIAL

Models: 250 AC/DC & RS 500

Features

- Heavy Duty and rugged
- All weather design
- Fan cooled Thermal protection
- Smooth & consistent ARC
- Suitable for all types of electrodes

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	250 AC/DC	RS 500
Input Voltage (V)-(2Ph/3Ph)	380/415	380/415
Input Current (Amps.)	38	45
Frequency (Hz)	50/60	50/60
Welding Current (Amps.)	38 - 275	45 - 450
Open Circuit Voltage (V)	71	75
Duty Cycle %	40	40
Weight (Kgs.)	180	350
Dimensions W x L x H (mm)	585 x 900 x 735	585 x 900 x 735
RS 500: Rheostat Control		

Optional Accessories





ARC (MMA) Rectifiers



RX Range

HEAVY INDUSTRIAL

Models: RX 400/500/600

Features

- Reliable Technology
- Stable arc and less spatter
- Excellent arc control
- Deep Penetration and excellent strength
- Heavy Duty & Rugged
- Continuous rating
- Welds all basic and cellulose electrodes
- Optional: Remote Control
- **Gouging only RX 600**

Welds

- Steel
- Stainless Steel
- Cast Iron
- Carbon Steel



3PHASE



DC
+ -



Technical Specifications	RX 400	RX 500	RX 600
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Frequency (Hz)	50/60	50/60	50/60
Rated Input Current (A)	36	45	70
No Load Voltage (V)	75	75	75
Rated Output Current (A)	400	500	600
Output Current Range (A)	50 - 400	50 - 500	80 - 600
Duty Cycle (%)	60	60	60
Efficiency (%)	85	85	85
Power Factor	0.7-0.9	0.7-0.9	0.7-0.9
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	183	190	230
Dimension (mm)	670 X 530 X 1050	670 X 530 X 1050	670 X 530 X 1050
Usable Electrode - MS - (mm)	1.6-6	1.6-8	1.6-8
Product Reference	ZX5-400	ZX5-500	ZX5-600
Product Code	JB891083	JB891084	JB891085

Optional Accessories



Euro Series



ARC (MMA) Rectifiers



TS Range

HEAVY INDUSTRIAL

Models: TS 300/400/600

Features

- Heavy Duty and rugged
- All weather design
- Fan cooled Thermal protection
- Smooth & Low spatter welder
- Suitable for all types of electrodes
- **TS 600: Ideally suited for Gouging Application**

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	TS 300	TS 400	TS 600
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Input Current (Amps.)	32	45	65
Frequency (Hz)	50/60	50/60	50/60
Welding Current (Amps.)	30 - 300	40 - 400	50 - 600
Open Circuit Voltage (V)	75	76	75
Duty Cycle %	60	60	60
Weight (Kgs.)	147	164	210
Dimensions W x L x H (mm)	490 x 300 x 600	490 x 350 x 715	585 x 900 x 735

Gouging only in TS 600

Optional Accessories





ARC (MMA) Inverters



Economy Range

PROFESSIONAL

Model: 200 Classic

Features

- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of basic electrodes
- Some models suitable for Cellulose Electrode
- Suitable for Scratch TIG

Welds

- Steel
- Stainless Steel



 **Dual Fan**
Optional : Carry Case



Technical Specifications	MMA 200 Classic
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	24
No Load Voltage (V)	70
Output Current Range (A)	10 - 160
Output Voltage (V)	28.2
Duty Cycle (%) @ 40 Degree C	60
Efficiency (%)	85
Digital Display	No
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	4.5
Dimension (mm)	328 x 150 x 200
Usable Electrode - MS 6013 - (mm)	1.6 to 3.15
Product Reference	MMA160C
Product Code	YK160C

Standard Accessories



Optional Accessories



Economy Series



ARC (MMA) Inverters



Economy Range

PROFESSIONAL

Model: MMA 200

Features

- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of basic electrodes
- Some models suitable for Cellulose Electrode
- Suitable for Scratch TIG
- Incorporated with MCB
- Easy Carry Handle & Shoulder Belt

Welds

- Steel
- Stainless Steel



Dual Fan

Additional Protection : MCB Incorporated

Optional : Carry Case



1 PHASE



INVERTER



IGBT



DC



Welding



Welding



Welding



Welding



Technical Specifications	MMA 200
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	29
No Load Voltage (V)	70
Output Current Range (A)	10 - 160
Output Voltage (V)	28.2
Duty Cycle (%) @ 40 Degree C	60
Efficiency (%)	85
Digital Display	No
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	5.5
Dimension (mm)	328 x 150 x 200
Usable Electrode - MS 6013 - (mm)	1.6 to 3.15
Product Reference	MMA160
Product Code	YK160R

Standard Accessories



Optional Accessories





ARC (MMA) Inverters



Economy Range

PROFESSIONAL

Model: MMA 200XP

Features

- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of basic electrodes
- Some models suitable for Cellulose Electrode
- Suitable for Scratch TIG
- Incorporated with MCB
- Digital Display

Welds

- Steel
- Stainless Steel



Dual Fan

Additional Protection : MCB Incorporated



Technical Specifications	MMA 200XP
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	34
No Load Voltage (V)	70
Output Current Range (A)	10 - 180
Output Voltage (V)	28.2
Duty Cycle (%) @ 40 Degree C	60
Efficiency (%)	85
Digital Display	Yes
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	6.5
Dimension (mm)	390 x 155 x 295
Usable Electrode - MS 6013 - (mm)	1.6 to 4.0
Product Reference	MMA180
Product Code	YK180R

Standard Accessories



Optional Accessories



Economy Series



ARC (MMA) Inverters



Economy Range

PROFESSIONAL

Model: MMA 400

Features

- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of basic electrodes
- Some models suitable for Cellulose Electrode
- Suitable for Scratch TIG

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	MMA 400
Input Voltage (V)-(3Ph)	380/415
Frequency (Hz)	50/60
Rated Input Current (A)	32
No Load Voltage (V)	70
Output Current Range (A)	10 - 310
Output Voltage (V)	28.2
Duty Cycle (%) @ 40 Degree C	60
Efficiency (%)	95
Digital Display	Yes
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	13.5
Dimension (mm)	435x 170 x 335
Usable Electrode - MS 6013 - (mm)	1.6 to 4.0
Product Reference	MMA310
Product Code	YK400

Standard Accessories



Optional Accessories





ARC (MMA) Inverters



201 Range

PROFESSIONAL

Models: MMA 201/201X/201Xp

Features

- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of electrodes
- Suitable for Scratch TIG

Welds

- Steel
- Stainless Steel
- Cast Iron
- Carbon Steel



Technical Specifications	MMA 201	MMA 201X	MMA 201Xp
Input Voltage (V)-(1Ph)	230 +/- 15%	230 +/- 15%	230 +/- 15%
Frequency (Hz)	50/60	50/60	50/60
Rated Input Current (A)	24	29	34
No Load Voltage (V)	70	70	70
Output Current Range (A)	10 - 140	10 - 160	10 - 180
Output Voltage (V)	28.2	28.2	28.2
Duty Cycle (%) @ 40 Degree C	35	35	35
Efficiency (%)	85	85	85
Digital Display	No	No	Yes
Power Factor	0.9	0.9	0.9
Insulation Class	H	H	H
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	4.5	5.5	6.5
Dimension (mm)	328 x 150 x 200	390 x 155 x 295	390 x 155 x 295
Usable Electrode-MS 6013-(mm)	1.6 to 3.15	1.6 to 3.150	1.6 to 4.0
Product Reference	MMA140KBC	MMA160KBC	MMA180KBCD
Product Code	JB161008	JB161009	JB161010

Standard Accessories



Optional Accessories



Euro Series



ARC (MMA) Inverter



IA Range

MEDIUM INDUSTRIAL

Model: IA 200SP

Features

- Heavy Duty
- Light and Compact
- Energy Efficient
- Stable Arc
- Deep Penetration
- Over Voltage and Over Current protection
- Suitable to weld all kinds of electrodes
- Suitable for Scratch TIG

Welds

- Steel
- Stainless Steel
- Cast Iron
- Carbon Steel



Technical Specifications	IA 200SP
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	32
No Load Voltage (V)	70
Output Current Range (A)	10 - 200
No Load Current (A)	5
Duty Cycle (%)	60
Efficiency (%)	5
Power Factor	0.93
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	10.0
Dimension (mm)	480 X 250 X 350
Usable Electrode - MS 7018 - (mm)	4.0
Product Reference	MMA200IS3
Product Code	161019

Standard Accessories



Optional Accessories





ARC (MMA) Inverters



IAX Range

HEAVY INDUSTRIAL

Model: IA 300X/400X/500X

Features

- Light and Compact
- Over Voltage and Over Current protection
- Suitable to weld all kinds of electrodes
- Suitable for Scratch TIG
- **Water penetration resistant design**
- **Auto Input Voltage Fluctuation Correction**
- **Inbuilt VRD Function**
- Optional: Corded Remote

Welds

- Steel
- Stainless Steel
- Cast Iron
- Carbon Steel



Technical Specifications	IA 300X	IA 400X	IA 500X
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Frequency (Hz)	50/60	50/60	50/60
Rated Input Current (A)	12	17	23.5
No Load Voltage (V)	70	70	70
Output Current Range (A)	20-315	25-400	25-500
Duty Cycle (%)	60	60	60
Efficiency (%)	93	93	93
Power Factor	0.95	0.95	0.95
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	25	25	25
Dimension (mm)	630 x 370 x 500	630 x 370 x 500	630 x 370 x 500
Usable Electrode-MS 6013-(mm)	2.5 to 5.0	2.5 to 6.0	2.5 to 8.0
Product Reference	MMA315i	MMA400i	MMA500i
Product Code	JB891126	JB891077	JB161041

Standard Accessories



Optional Accessories



Euro Series



ARC (MMA) Inverters



IWH Range

HEAVY INDUSTRIAL

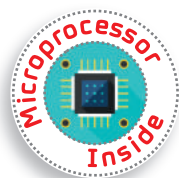
Models: IW 300H/400H/500H

Features

- Reliable IGBT Technology
- Energy Saving Model
- Arc Force function available
- Stable arc and less spatter
- Deep Penetration and excellent strength
- Auto protection of over-voltage and over-current
- Continuous rating
- Welds all basic and cellulose electrodes
- Optional: Cordless Remote**

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	IW 300H	IW400H	IW 500H
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Frequency (Hz)	50/60	50/60	50/60
Rated Input Current (A)	12	17	23.5
No Load Voltage (V)	75	75	75
Output Current Range (A)	20-315	20-400	20-500
Duty Cycle (%)	60	60	60
Efficiency (%)	85	85	85
Power Factor	0.7-0.9	0.7-0.9	0.7-0.9
Insulation Class	F	F	F
Protection Class	IP21	IP21	IP21
Weight (Kgs.)	45	45	55
Dimension (mm)	645 x 380 x 705	645 x 380 x 705	645 x 380 x 705
Usable Electrode - MS 6013 - (mm)	2.5 to 5.0	2.5 to 6.0	2.5 to 8.0
Product Reference	MMA315W	MMA400W	MMA500W
Product Code	JB891023	JB891024	JB891025

Standard Accessories



Optional Accessories





ARC (MMA) Inverter



IG Range

HEAVY INDUSTRIAL

Model: IG 200SP

Features

- Heavy Duty and rugged
- All weather design
- Fan cooled Thermal protection
- Smooth & consistent ARC
- Suitable for all types of electrodes

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	IG 200 SP
Input Voltage (V)-(1Ph)	230 +/- 15%
Input Current (Amps.)	32
Frequency	50/60
Welding Current (Amps.)	20 - 200
Duty Cycle %	60
No Load Current (W)	25
Efficiency %	85
Power Factor	0.93
Insulation Class	B
Cover Protection Class	IP21
Max. Usable Electrode Size (mm)	4
Weight (Kgs.)	7
Dimensions W x L x H (mm)	405 x 165 x 335

Standard Accessories



Optional Accessories



International Series



ARC (MMA) Inverters



IG Range

HEAVY INDUSTRIAL

Models: IG 301i/401

Features

- Heavy Duty and rugged
- All weather design
- Fan cooled Thermal protection
- Smooth & consistent ARC
- Suitable for all types of electrodes

Welds

- Steel
- Stainless Steel
- Cast Iron
- Aluminium



Technical Specifications	IG 301i	IG 401
Input Voltage (V)-(3Ph)	380/415	380/415
Input Current (Amps.)	17.5	24
Frequency (Hz)	50/60	50/60
Welding Current (Amps.)	40 - 300	20 - 400
Duty Cycle %	60	60
Efficiency %	85	85
Power Factor	0.93	0.93
Insulation Class	B	B
Cover Protection Class	IP21	IP21
Max. Usable Electrode Size (mm)	5	6
Weight (Kgs.)	14.5	24.5
Dimensions W x L x H (mm)	450 x 220 x 380	540 x 290 x 500

Standard Accessories



Optional Accessories





MIG/MAG (GMAW)



Gas Metal Arc welding (GMAW) also known as Metal Inert Gas welding or Metal Active Gas (MAG) welding is a welding process in which an electric arc forms between a consumable wire electrode and the work piece metal(s), which heats the work piece metal(s), causing them to melt and join.

Along with the wire electrode, a shielding gas feeds through the welding gun, which shields the process from contaminants in the air. The process can be semi-automatic or automatic. A constant voltage, direct current power source is most commonly used with GMAW. Originally developed for welding aluminium and other non-ferrous materials in the 1940s, GMAW was soon applied to steels because it provided faster welding time compared to other welding processes. The cost of inert gas limited its use in steels until several years later, when the use of semi-inert gases such as carbon dioxide became common. Further developments during the 1950s and 1960s gave the process more versatility and as a result, it became a highly used industrial process. Today, GMAW is the most common industrial welding process, preferred for its versatility, speed and the relative ease of adapting the process to robotic automation.



MIG/MAG (GMAW) Inverter



MIG/MAG Range

MEDIUM INDUSTRIAL

Model: MIG 200

Features

- Suitable for thin sheet welding
- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- Inbuilt closed Wire Feeder
- Recommended for Automation

Welds

- Steel
- Stainless Steel
- Aluminium



CE **

RoHS

1 PHASE

INVERTER

JK IGBT

DC + -

888 A/V

888 A/V

888 A/V

888 A/V

888 A/V

Technical Specifications	MIG 200
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	32
Rated Output Voltage (V)	24
Output Current Range (A)	50 -200
Duty Cycle (%)	60
Efficiency (%)	85
Power Factor	0.7-0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	27
Dimension (mm)	860 x 450 x 685
Usable Electrode - MS 6013 - (mm)	NA
Product Reference	MIG 200i
Product Code	B893026

Standard Accessories



Euro Series



MIG/MAG/MMA (GMAW) Inverter



MIG/MAG Range

HEAVY INDUSTRIAL

Model: MIG 270

Features

- Suitable for thin sheet welding
- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- Inbuilt closed Wire Feeder
- Recommended for Automation

Welds

- Steel
- Stainless Steel
- Aluminium



CE **



3PHASE

INVERTER

JK IGBT

DC + -



888 A/V



Technical Specifications	MIG 270
Input Voltage (V)-(3Ph)	380/415
Frequency (Hz)	50/60
Rated Input Current (A)	24
Rated Output Voltage Voltage (V)	26.5
Output Current Range (A)	50 -250
Duty Cycle (%)	60
Efficiency (%)	85
Power Factor	0.7-0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	28
Dimension (mm)	860 x 450 x 685
Usable Electrode - MS 6013 - (mm)	2.5 to 3.15
Product Reference	MIG 250i
Product Code	JB893025

Standard Accessories



Optional Accessories



Euro Series



MIG/MAG/MMA (GMAW) Inverter



MIG/MAG Range

HEAVY INDUSTRIAL

Models: MIG 400 / 500

Features

- Suitable for thin sheet welding
- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- External Wire Feeder
- Recommended for Automation

Welds

- Steel
- Stainless Steel
- Aluminium



Technical Specifications	MIG 400	MIG 500
Input Voltage (V)-(3Ph)	380/415	380/415
Frequency (Hz)	50/60	50/60
Rated Input Current (A)	44	46
Rated Output Voltage (V)	31.5	35
Output Current Range (A)	60 -350	80 - 500
Duty Cycle (%)	60	60
Efficiency (%)	85	85
Power Factor	0.7-0.9	0.7-0.9
Insulation Class	H	H
Protection Class	IP21	IP21
Weight (Kgs.)	30	35
Dimension (mm)	690 X 430 X 1010	690 X 430 X 1010
Usable Electrode - MS 6013 - (mm)	2.5 to 4.0	2.5 to 5.0
Product Reference	NB350S	NB500S
Product Code	JB893029	JB893030

Standard Accessories



Optional Accessories





MIG/MAG (GMAW) - Tapping Switch



MIG/MAG Diode Range

HEAVY INDUSTRIAL

Models: ES 273/280S/280SEF

Features

- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- Internal built-in closed Wire Feeder
- External Closed Wire Feeder (280SEF)

Welds

- Steel
- Stainless Steel
- Aluminium



3PHASE

DC
+/-



888
A / V



Technical Characteristics	ES 273	280 S	280 SEF
Input Voltage (V)-(3Ph)	380/415	380/415	380/415
Input Current (Amps.)	14.1	24	24
Frequency (Hz)	50/60	50/60	50/60
Output Rating	240 A / 26 V	280 A / 28 V	280 A / 28 V
Output Control	10 Step - Tapping	4 x 8 Step - Tapping	4 x 8 Step - Tapping
Welding Range (Amps.)	30 - 240	40 - 280	40 - 280
Filler Wire Range (mm)	0.8 - 1.2	0.6 - 1.2	0.6 - 1.2
Wire Feeding Range (Mt./ Min.)	1 - 20	1 - 20	1 - 20
Time (Spot / Stitch) Sec.	NA	0 - 5	0 - 5
Duty Cycle %	60	60	60
Degree of Protection	IPS21	IPS21	IPS21
Insulation Class	H (180C)	H (180C)	H (180C)
Weight (Kgs.)	97	137	137
Dimensions W x L x H (mm)	510 x 950 x 838	515 x 940 x 820	515 x 940 x 820

SEF & F - External Wire Feeder Models

Standard Accessories



International Series



MIG/MAG (GMAW) - Tapping Switch

MIG/MAG Diode Range

HEAVY INDUSTRIAL

Models: 350SEF/500SEF

Features

- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- External closed Wire Feeder

Welds

- Steel
- Stainless Steel
- Aluminium



3PHASE



DC
+ -



888
A / V



Technical Characteristics	350 SEF	500 SEF
Input Voltage (V)-(3Ph)	380/415	380/415
Input Current (Amps.)	26	38
Frequency (Hz)	50/60	50/60
Output Rating	350 A / 32 V	500 A / 39 V
Output Control	2 x 12 Step - Tapping	2 x 12 Step - Tapping
Welding Range (Amps.)	40 - 350	45 - 500
Filler Wire Range (mm)	0.8 - 1.2 & FC	0.8 - 1.6 & FC
Wire Feeding Range (Mt./ Min.)	1 - 20	1 - 20
Time (Spot / Stitch) Sec.	0 - 5	0 - 5
Duty Cycle %	60	60
Degree of Protection	IPS21	IPS21
Insulation Class	H	H
Weight (Kgs.)	126.5	170
Dimensions W x L x H (mm)	373 x 980 x 820	515 x 940 x 820

SEF & F - External Wire Feeder Models

Standard Accessories





MIG/MAG (GMAW) Thyristor



MIG/MAG TA Range

HEAVY INDUSTRIAL

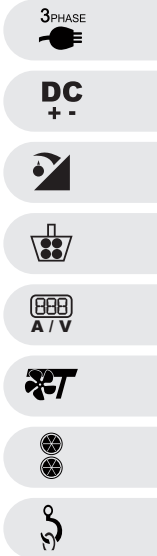
Models: TA 351i/501i

Features

- Thyristor Controlled
- Suitable for thin sheet welding
- Easy to operate and maintain
- Suitable for continuous operation
- High Speed Welding
- Less spatter and controlled welding
- Recommended for Automation

Welds

- Steel
- Stainless Steel
- Aluminium



Technical Specifications	TA 351i	TA 501i
Input Voltage (V)-(3Ph)	380/415	380/415
Frequency (Hz)	50/60	50/60
Rated Input Current (KVA)	18.1	21.9
Output Current (A)	75 - 350	80 - 500
No Load Voltage (V)	53	64
Output Voltage (V)	17.8 - 31.5	18 - 39
Rated Duty Cycle (%)	60	60
Insulation Class	H	H
Protection Class	IP 21	IP21
Dimensions (mm)	540 x 1005 x 890	540 x 1005 x 890
Weight (Kgs.)	139	178

Standard Accessories



International Series



TIG/MMA (GTAW)



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 and electrode is protected from oxidation or other atmospheric contamination by an inert shielding gas (Argon or Helium), and a filler metal is normally used, though some welds, known as autogenously welds, do not require it. A constant-current welding power supply produces electrical energy, which is conducted across the arc through a column of highly ionized gas and metal vapours known as plasma.

GTAW is most commonly used to weld thin sections of stainless steel and non-ferrous metals such as aluminium, magnesium, and copper alloys. The process grants the operator greater control over the weld than competing processes such as shielded metal arc welding and gas metal arc welding, allowing for stronger, higher quality welds. However, GTAW is comparatively more complex and difficult to master, and furthermore, it is significantly slower than most other welding techniques.



TIG/MMA (GTAW) Inverter



ITG Range

MEDIUM INDUSTRIAL

Model: ITG 200

Features

- Advanced Inverter Technology
- Inbuilt High Frequency (HF)
- Compact Size
- Easy to handle
- Stable and reliable welding current.
- Low energy consumption

Welds

- Steel
- Stainless Steel
- Carbon Steel
- Alloy Steel



Technical Specifications	ITG 200
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (KvA)	3.2
Output Voltage (V)	16.4
Output Current Range (A)	10 - 160
No Load Voltage (V)	56
Duty Cycle (%)	60
Efficiency (%)	95
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	11
Dimension (mm)	460 x 270 x 345
Usable Electrode - MS 6013 - (mm)	3.15
Product Reference	TIG160C
Product Code	JB892007

Standard Accessories



Optional Accessories



Euro Series



TIG/MMA (GTAW) Inverter



ITG Range

HEAVY INDUSTRIAL

Models: ITG 300/400

Features

- Advanced Inverter Technology
- Inbuilt High Frequency (HF)
- Compact Size
- Easy to handle
- Stable and reliable welding current.
- Low energy consumption

Welds

- Steel
- Stainless Steel
- Carbon Steel
- Alloy Steel



Technical Specifications	ITG 300	ITG 400
Input Voltage (V)-(3Ph)	380/415	380/415
Frequency (Hz)	50/60	50/60
Rated Input Current (KvA)	9.8	14.3
Output Voltage (V)	22	26
Output Current Range (A)	10 - 300	15 - 400
No Load Voltage (V)	60	60
Duty Cycle (%)	60	60
Efficiency (%)	95	95
Power Factor	0.9	0.9
Insulation Class	H	H
Protection Class	IP21	IP21
Weight (Kgs.)	28	28
Dimension (mm)	630 x 370 x 550	630 x 370 x 550
Usable Electrode - MS 6013 - (mm)	4.0	5.0
Product Reference	TIG315C	TIG400C
Product Code	JB892035	JB892036

Standard Accessories



Optional Accessories





TIG/MMA (GTAW) Inverter



ITG Pulse Range

INDUSTRIAL

Model: ITG 200P

Features

- Advanced Inverter Technology
- Inbuilt High Frequency (HF)
- Compact Size
- Easy to handle
- Stable and reliable welding current
- Low energy consumption
- Automatic Voltage pulsation current

Welds

- Steel
- Stainless Steel
- Carbon Steel
- Alloy Steel



Technical Specifications	ITG 200P
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Rated Input Current (A)	19.8
Output Voltage (V)	18
Output Current Range (A)	20 - 200
No Load Voltage (V)	56
Duty Cycle (%)	60
Efficiency (%)	95
Power Factor	0.9
Insulation Class	H
Protection Class	IP21
Weight (Kgs.)	15
Dimension (mm)	525 x 320 x 390
Usable Electrode - MS 6013 - (mm)	2.4
Product Reference	WSM200
Product Code	JB892019

Standard Accessories



Optional Accessories



Euro Series



TIG/MMA (GTAW) Inverter



ITG AC/DC Range

HEAVY INDUSTRIAL

Model: ITG 300 AC/DC

Features

- Advanced Inverter Technology
- Inbuilt High Frequency (HF)
- Excellent Weld Control
- Easy to handle
- Stable and reliable welding current
- Low energy consumption
- Automatic Voltage pulsation current

Welds

- Steel
- Stainless Steel
- Carbon Steel
- Alloy Steel
- Aluminium



Technical Specifications	ITG 300 AC/DC
Input Voltage (V)-(3Ph)	380/415
Frequency (Hz)	50/60
Rated Input Current (KvA)	15
Delay Time (Sec)	2 - 10
Output Current Range (A)	10 - 300
No Load Voltage (V)	60
Duty Cycle (%)	60
Efficiency (%)	85
Power Factor	0.9
Insulation Class	F
Protection Class	IP21
Weight (Kgs.)	38
Dimension (mm)	630 x 340 x 680
Usable Electrode - MS 6013 - (mm)	4.0
Product Reference	WSME315
Product Code	JB892021

Standard Accessories



Optional Accessories





Plasma Cutting



Plasma Cutting is a process that cuts through electrically conductive materials by means of an accelerated jet of hot plasma. Typical materials cut with a plasma torch include steel, Stainless steel, aluminium, brass and copper, although other conductive metals may be cut as well. Plasma cutting is often used in fabrication shops, automotive repair and restoration, industrial construction, and salvage and scrapping operations. Due to the high speed and precision cuts combined with low cost, plasma cutting sees widespread use from large-scale industrial CNC applications down to small hobbyist shops.



Plasma Cutting Inverter



IPS Series

MEDIUM INDUSTRIAL

Model: IPS 40

Features

- High Cutting Capacity
- Simple operation, smooth cutting surface.
- Touch start cutting
- Light and Compact

Can Cut

- Mild Steel
- Stainless Steel
- Cast Iron
- Aluminium
- Copper



Technical Specifications		IPS 40
Input Voltage (V)-(1Ph)		230 +/- 15%
Frequency (Hz)		50/60
Rated Input Current (KvA)		6.4
Output Voltage (V)		96
Output Current Range (A)		20 - 40
No Load Voltage (V)		240
Duty Cycle (%)		60
Efficiency (%)		80
Power Factor		0.9
Insulation Class		H
Protection Class		IP21
Weight (Kgs.)		11
Dimension (mm)		480 x 270 x 345
Max. Cutting thickness - MS 6013 - (mm)		12.0
Product Reference		CUT40
Product Code		JB894004

Standard Accessories





Plasma Cutting Inverters



IPS Range

HEAVY INDUSTRIAL

Models: IPS 60/100

Features

- High Cutting Capacity
- Simple operation, smooth cutting surface.
- HF untouch Arc start cutting
- Light and Compact

Can Cut

- Steel
- Stainless Steel
- Cast Iron
- Aluminium
- Copper



Technical Specifications	IPS 60	IPS 100
Input Voltage (V)-(3Ph)	380/415	380/415
Frequency (Hz)	50/60	50/60
Rated Input Current (KvA)	7.9	15
Output Voltage (V)	104	120
Output Current Range (A)	20 - 60	20 - 100
No Load Voltage (V)	260	260
Duty Cycle (%)	60	60
Efficiency (%)	80	80
Power Factor	0.9	0.9
Insulation Class	H	H
Protection Class	IP21	IP21
Weight (Kgs.)	19	27
Dimension (mm)	585 x 320 x 420	635 x 365 x 505
Max. Cutting thickness - MS 6013 - (mm)	18.0	30.0
Product Reference	CUT60	CUT100
Product Code	JB894005	JB894006

Standard Accessories



Euro Series



Spot & Projection



Resistance spot welding (RSW) is a process in which contacting metal surface points are joined by the heat obtained from resistance to electric current. It is a subset of electric resistance welding. Work-pieces are held together under pressure exerted by electrodes. The process uses two shaped copper alloy electrodes to concentrate welding current into a small "spot" and to simultaneously clamp the sheets together. Forcing a large current through the spot will melt the metal and form the weld. The attractive feature of spot welding is that a lot of energy can be delivered to the spot in a very short time. Another feature of spot welding is that the energy delivered to the spot can be controlled to produce reliable welds.

Projection welding is a modification of spot welding. In this process, the weld is localized by means of raised sections, or projections, on one or both of the work pieces to be joined. Heat is concentrated at the projections, which permits the welding of heavier sections or the closer spacing of welds. Projection welding is often used to weld studs, nuts, and other screw machine parts to metal plate. It is also frequently used to join crossed wires and bars. This is another high-production process, and multiple projection welds can be arranged by automation.



MC Range

HEAVY INDUSTRIAL

Model: MC8

Features

- Easy to handle
- Electronic Timer
- Single Side Spot Welding Possible
- Air cooled
- Use of long duration possible

Welds

- Steel
- Stainless Steel



1 PHASE



AC

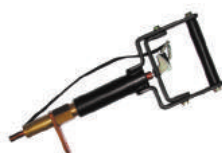


Technical Characteristics	MC8
Input Voltage (V)-(1Ph)	230 +/- 15%
Input Current (Amps.)	65
Frequency	50/60
Rated Capacity (KVA)	8
Duty Cycle %	50
No Load Voltage (W)	6
Insulation Class	H
Cover Protection Class	IP21
Weight (Kgs.)	37
Dimensions W x L x H (mm)	273 x 380 x 373

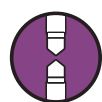
Standard Accessories



Clamp Gun



Hand Gun



CSW Range

HEAVY INDUSTRIAL

Models: CSW4/10/15/25

Features

- Robust pedal mechanism
- Excellent cooling system
- Adjustable upper and lower arm
- Adjustable pedal
- Wide selection of welding current
- Electronic timer control

Welds

- Steel
- Stainless Steel



2PHASE

AC

Welding

Welding

Technical Specifications	CSW4	CSW10	CSW15	CSW25
Input Voltage (V)	230 +/-15% - 1Ph	380/415 - 2Ph	380/415 - 2Ph	380/415 - 2Ph
Max. Welding Capacity (mm) - MS Rod	1 + 1	2.5 + 2.5	6 + 6	10 + 10
Max, Welding Capacity (mm) - MS Sheet	0.6 + 0.6	1.5 + 1.5	2.5 + 2.5	3 + 3
Rated Duty Cycle (%)	7	7	7	7
Throat Depth (mm)	250	400	300	400
Electrode Stroke (mm)	40	40	40	40
Insulation Class	H	H	H	H
Protection Class	IP 21	IP 21	IP 21	IP 21



Spot & Projection Welders



JPC Range

HEAVY INDUSTRIAL

Models: JPC 35/50/75

Features

- Thyristor Controlled
- Efficient after cooling circuit
- Heavy Duty & Rugged
- Suitable for continuous usage
- Option: Electronic Timer

Welds

- Steel
- Stainless Steel



2 PHASE

AC

Welding

Projection

Spot

PROGRAM

Welding

Technical Characteristics	JPC 35	JPC 50	JPC 75
Input Voltage (V)-(2Ph)	380/415	380/415	380/415
Input Current (KVA)	85	125	200
Frequency (Hz)	50/60	50/60	50/60
Rated Secondary Current (A)	14000	16000	25000
Duty Cycle %	8.5	8.5	9.5
Maximum Electrode Force (Kgs.)	500	500	500
Quantity of Cooling Water L/min	6	6	13
Insulation Class	B	B	B
Cover Protection Class	IP21	IP21	IP21
Weight (Kgs.)	310	310	380
Dimensions W x L x H (mm)	690 x 1170 x 1190	690 x 1170 x 1190	690 x 1390 x 1980

International Series



Multi Process Inverters

Multi processing is the use of two or more processes with a single power source (machine). The term also refers to the ability of this power source to support more than one processor or the ability to allocate tasks between them. There are many variations on this basic theme. The definition of multiprocessing can vary with context, mostly as a function of how the power system is defined.

WIM - Multi processor can perform MMA (ARC), GMAW (MIG) and GTAW (TIG) with the attachment of suitable optional accessories.



Multi Operator Inverters

Multi operator is the option for two or more persons to work with a single power source (machine). Most of the multi operator machines can perform multi processing jobs and has the ability to share or support multiple operators with the same process or multiple operator with different processes or single operator with multiple processes.

WIM - Multi operator is a versatile power source which can perform MMA (ARC), GMAW (MIG), GTAW (TIG) and Carbon Arc Gouging with the attachment of suitable optional accessories.



Submerged Arc Inverter

Submerged Arc Welding process requires a continuously fed consumable solid or tubular (metal cored) electrode and is a common arc welding process. The first submerged-arc welding process was successfully patented in 1935 and covered an electric arc beneath a bed of granulated flux. The molten weld and the arc zone are protected from atmospheric contamination by being "submerged" under a blanket of granular fusible flux consisting of lime, silica, manganese oxide, calcium fluoride, and other compounds. When molten, the flux becomes conductive, and provides a current path between the electrode and the work. This thick layer of flux completely covers the molten metal thus preventing spatter and sparks as well as suppressing the intense ultraviolet radiation and fumes that are a part of the shielded metal arc welding (SMAW) process. SAW is normally operated in the automatic or mechanized mode, however, semi-automatic (hand-held) SAW guns with pressurized or gravity flux feed delivery are available. The process is normally limited to the flat or horizontal-fillet welding positions.



Diesel Engine Welder

A Diesel Generator is the combination of a diesel engine with an electric generator (often an alternator) to generate electrical energy. This is a specific case of engine-generator. A diesel compression-ignition engine is usually designed to run on diesel fuel. The energy thus produced is used for the purpose of welding. Diesel generating sets are used in places without connection to a power grid, or as emergency power-supply if the grid fails, as well as for more complex applications.

WIM - Diesel Engine driven welding power source is heavy duty and highly reliable. It can perform MMA (ARC), GMAW (MIG), GTAW (TIG) and Carbon Arc Gouging with the attachment of suitable optional accessories. This power source also supports auxiliary attachments at the work site.



Automation

Welding Automation is the use of mechanized programmable tools (Robots), which completely automate a welding process by both performing the weld and handling the part. Processes such as Gas Metal Arc Welding and Spot Welding are often automated in high production applications, such as the automotive industry.

Robot welding is a relatively new application of robotics, even though robots were first introduced into US industry during the 1960s. The use of robots in welding did not take off until the 1980s, when the automotive industry began using robots extensively for spot welding. Since then, both the number of robots used in industry and the number of their applications has grown greatly.

WELDING SPMs are Special Purpose Machines which are not available off the Shelf. Therefore they have to be designed and custom made as per the customer's specific requirement.



Multi Process Inverters



MP Range

HEAVY INDUSTRIAL

Models: MULTI 450/550

Features

- Latest Inverter Technology
- Constant Current & Voltage
- Smooth & Spatter less Weld
- Heavy Duty & Rugged
- Multi process application

Welds

- Steel
- Stainless Steel
- Cast Iron



3PHASE



INVERTER

DC
+ -

HF



888
A/V



Technical Characteristics	MULTI 450	MULTI 550
Input Voltage (V)-(3Ph)	380 / 415	380 / 415
Input Current (Amps. / kVA)	28	35
Frequency (Hz)	50/60	50/60
Welding Current - CC (Amps.)	50 - 400	50 - 500
Max OCV (CC)	NA	NA
Duty Cycle %	100	100
Efficiency %	90	90
Power Factor	0.96	0.96
Insulation Class	B	B
Cover Protection Class	IP21S	IP21S
Optional Attachment For TIG	High Frequency Unit	High Frequency Unit
Optional Attachment For MIG	MIG Wire Feeder	MIG Wire Feeder
Optional Attachment For MIG & TIG	Water Cooler for Torch	Water Cooler for Torch
Weight (Kgs.)	50	55
Dimensions W x L x H (mm)	920 x 480 x 610	920 x 480 x 610

Suitable for ARC, MIG & TIG Welding

Standard Accessories



Optional Accessories



International Series



Multi Process Inverters



EVO Range

HEAVY INDUSTRIAL

Models: EVO 400 / 500

Features

- Latest Inverter Technology
- Constant Current & Voltage
- Smooth & Spatter less Weld
- Heavy Duty & Rugged
- Multi process application

Welds

- Steel
- Stainless Steel
- Cast Iron



3PHASE



INVERTER

DC
+ -

HF



888
A / V

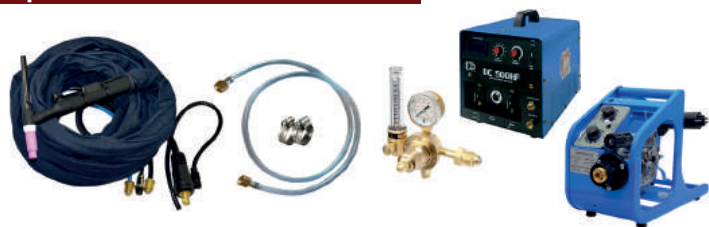


Technical Characteristics	EVO 400 (CC)	EVO 500 (CC CV)
Input Voltage (V)-(3Ph)	380/415	380/415
Input Current (Amps. / KvA)	30	24.5 KvA
Frequency (Hz)	50/60	50/60
Welding Current - CC (Amps.)	10 - 400	5 - 500
Max OCV (CC)	NA	75
Duty Cycle %	60	70
Efficiency %	90	90
Power Factor	0.96	0.96
Insulation Class	B	B
Cover Protection Class	IP21	IP21
Optional Attachment For TIG	High Frequency Unit	High Frequency Unit
Optional Attachment For MIG	MIG Wire Feeder	MIG Wire Feeder
Optional Attachment For MIG & TIG	Water Cooler for Torch	Water Cooler for Torch
Weight (Kgs.)	42	70
Dimensions W x L x H (mm)	570 x 290 x 520	385 x 630 x 545
Suitable for ARC, MIG & TIG Welding		

Standard Accessories



Optional Accessories





Multi Operator Inverter



Weld Plus Range

HEAVY INDUSTRIAL

Models: WP 1600/2400/3000

Features

- Heavy Duty DC Power Source
- Multiple Welding process option
- Latest Inverter Technology
- Constant Current and Voltage
- Generator Compatible
- Suitable for ARC, MIG & TIG Welding

Welds

- Steel
- Stainless Steel
- Aluminium
- Copper
- Brass
- Titanium
- Casting



3 PHASE



INVERTER

DC
+ -

HF



800
A



Technical Specifications	Weld Plus 1600	Weld Plus 2400	Weld Plus 3000
Master Power Source	1	1	1
Welding Power Source	4	6	6
Max. No. Of Operators	4	6	6
Rated Input (kva)	80	160	180
Power Factor	0.92	0.92	0.92
Rated Output Current (A)	1600	2400	3000
Weight (Kgs.)	880	1770	2300
Width (mm)	1000	1250	1500
Length (mm)	3050	3050	3050
Height (mm)	2175	2175	2175
Duty Cycle (%)	60	60	60
Processes	SMAW / GMAW / FCAW / GTAW / GOUGING		

Standard Accessories



Optional Accessories



International Series



Submerged Arc Inverter

SAW Range

HEAVY INDUSTRIAL

Model: SAW 1250i

Features

- Latest Inverter Technology
- High speed welding on thin sheets
- Less Distortion
- Minimum Spatter
- Programmable Controller

Welds

- Steel
- Stainless Steel



3 PHASE

INVERTER

DC
+ -

W

888
A / V

W

W

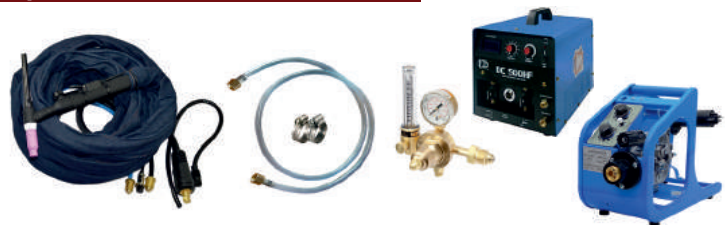
W

Technical Specifications	SAW 1250 DC
Input Voltage (V)-(3Ph)	380/415
Frequency (Hz)	50/60
Rated Input Capacity (KVA)	93
No Load Voltage (V)	72
Welding Current Range (A)	200 - 1250
Duty Cycle (%)	60
Welding Wire Usable (mm)	2 - 6
Insulation Class	H
Dimension - Power Unit (mm)	1000 x 610 x 880
Weight - Power Unit (Kgs.)	420
Weight - Tractor (Kgs.)	40

Standard Accessories



Optional Accessories





Diesel Engine Welder

DEW Range

HEAVY INDUSTRIAL

Model: ALPHA 500D

Features

- Heavy Duty & Rugged
- Highly reliable
- Superior ARC performance
- Minimum Spatter

Welds

- Steel
- Stainless Steel
- Aluminium
- Copper
- Brass
- Titanium
- Cast Iron



Technical Specifications	ALPHA 500D
Rated Output Current (A)	500
Output Voltage (V)	40
Duty Cycle (%)	50
Welding Current Range (A)	5 - 500 CC
Output Voltage Range (V)	15 - 48 CV
Engine Type	Deutz F3L - 912 Diesel
Generator Output (KVA)	30
Horsepower & Speed (RPM)	44 @ 1800
Dimension Power Unit (mm)	1380 x 860 x 1710
Weight Power Unit (Kgs.)	910

Optional Accessories





Turn Table

INDUSTRIAL

Model: T 60

Features

- Heavy Duty
- Reliable
- Economical
- Easy operation
- Maintenance Free



- **Suitable for**
ARC (MMA) / MIG (GMAW) / TIG (GTAW)

Technical Specifications	T60
Input Voltage (V)-(1Ph)	230 +/- 15%
Frequency (Hz)	50/60
Max. Component Load (Kgs.)	60
Rotation Speed Range (RPM/minute)	1 - 33
Rotation Angle Adjustment (Degree)	0 - 90
Foot Pedal Operation	Yes
Clamping Arrangement on the rotating table	Yes
Insulation Class	H
Protection Class	IP21S
Weight (Kgs.)	30
Dimension (mm)	328 x 150 x 200
Product Reference	CENXTT
Product Code	TT60

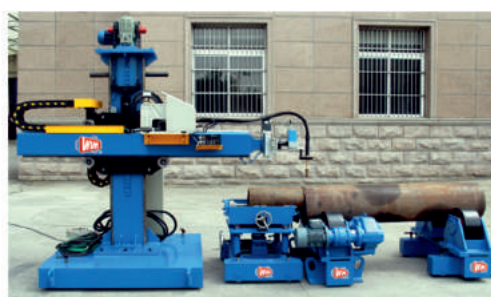
Special Purpose Machines (SPMs)

HEAVY INDUSTRIAL

Welding Rotator

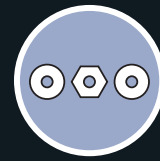


Column and Boom Welding Manipulators



Wiremesh Welding System





Accessories



For enhanced performance and protection only Genuine WIM Accessories give you complete confidence. By using genuine accessories you're helping to protect your equipment's investment from unusual wear and tear.

WIM accessories are exclusively designed and manufactured to work with WIM range of products to enhance the welding experience. WIM offers accessories for the it's complete range of products.



Optional Accessories

High Frequency Module

HEAVY INDUSTRIAL

Model: DC 500HF

Features

- Light weight and portable
- Excellent ARC Ignition
- Reliable performance
- Gas & Water Cooled TIG Torches Can be connected

- **Compatible with all DC output Machines.**



Wire Feeder

HEAVY INDUSTRIAL

Models: Asian/Euro

Features

- Light weight and portable
- Easy Operation
- Highly Reliable
- Suitable for Automation (MIG)

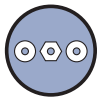
- Includes Power Source Interconnecting Cable - 3.0 Mts.



Euro



Asian



Optional Accessories

TIG Torch Cooling System

HEAVY INDUSTRIAL

Models: TTCS - 10/20

Features

- Light weight and portable
- Water storage tank made of high-temperature resistant material
- Copper valve pressure pump avoids water scaling
- Easy access to fill water
- Air tunnel heat dissipation design increases the cooling
- Transparent water level indicator windows

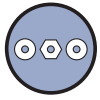
- **Suitable for** all types of Water Cooled TIG Torches



Technical Specifications	TTCS - 10	TTCS - 20
Input Voltage (V)-(1Ph)	230 +/- 15%	230 +/- 15%
Frequency (Hz)	50/60	50/60
Rated Power (W)	135	185
Rated Water Flow (Lts./min)	8	10
Max. Water Capacity (Lts.)	10	20
Rated Lift (Mts.)	8	10
Dimensions (mm)	565 x 325 x 385	399 x 540 x 470
Weight (Kgs.)	20	25

Standard Accessories





Welding



Electrode Holder
with Cable - Professional



Electrode Holder
with Cable - Industrial



MIG Welding
Torch



TIG Welding
Torch - Gas Cooled



TIG Welding
Torch - Water Cooled



Gouging
Torch



Plasma Cutting
Torch



Earth Clamp
with Cable



MIG - Wire Feeder
Inter Connecting
Cable



Argon Regulator
with Flow Meter



CO2 Regulator,
with Flow Meter
& Heater



FRL Unit



Euro Connectors



Cable Lugs



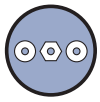
Hose Clips



Gas/Air hose
with Coupling



Plastic Carry Case for
Professional Inverters



Power



PL 001



PL 002



PL 003



PL 004



PL 005



PL 006



PL 007



PL 008



PL 009



PL 010



PL 011



PL 012



PL 013



PL 014



PL 015



PL 016



PL 017



PL 018



PL 019



A skill is the ability to carry out a task with pre-determined results within a given amount of time, energy or both. Skills can often be divided into domain-general and domain-specific skills. A study at the U.S. Department of Labour showed that through technology, the workplace is changing, and skilling is very important. Skilled workers always have importance in any organisation.

At Gedee WIM we impart 100 years of acquired knowledge. Our Mission is to enhance the skill set of a person, enable him to perform at his best in his job and career and thereby contribute to the overall growth of the industry.

Our institute is housed in about 5,000 Sq. ft of area, with 20 dedicated welding booths, latest technology equipment and well trained and experienced trainers.

We offer both short term and long term welding courses approved by the Indian Institute of Welding.



Our Training Facility

WIM & GTTI: Imparting 100 years of acquired knowledge

Late Shri G.D.Naidu, was a successful industrialist, a keen educationalist, philanthropist and a great innovator of South India. In 1946, he started an institute in the name of Industrial Labour Welfare Association (ILWA), now known as G.D.Naidu Charities. His aim was to impart higher education with more emphasis on practical training so that students can get employment immediately.

Gedee Technical Training Institute (GTTI), unit of G.D Naidu Charities, in association with IHK Nurenberg, Germany, has been conducting courses on Precision Machining Technology, Tool and Die Engineering, Mechatronics and advanced course in Tool design and Mechatronics. Other than this G.D. Naidu charities is conducting short term courses on Automobile Service and Maintenance in association with Volkswagen, Pune, and various other short term courses such as EDM, CMM, CAD (Autocad, Pro-E, Inventor, Power Shape, CATIA, ANSYS, SOLID WORKS, etc), CAM(Keller, Delcam, Unigraphics), Metrology, CMM, etc. It has trained more than 50,000 Students over the past 6 decades.

WIM is proud to be associated with **GTTI**.

GEDEE WIM offers various long and short term courses in Welding approved by Indian Institute of Welding (IIW). Our commitment to the society and its requirements has led us to undertake this mission of providing quality welding training. **WIM** is the official Welding Training provider for the GIATMARA Scheme of Government of Malaysia. Our Mission is to enhance the skill set of a person, enable them to perform at the best in their jobs and career thereby contribute to the overall growth of the industry"



Our Training Facility
Gedee-WIM Institute of Welding Technology
(A Unit of G D Naidu Charities)

Approved By The Indian Institute Of Welding (IIW)

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Email: info@gedeewim.in; www.gedeewim.in

Advantages of WIM



Latest
Technology



Heavy
Duty



Low Power
Consumption



User
Friendly



Reliable after
Sales Service



Economically
Priced



One Year
Warranty



Service

- State of the Art Service Centre
- Machines serviced by qualified and trained Engineers
- Component level PCB servicing performed
- Adequate stock of Spares and Accessories

***** ONE YEAR WARRANTY – CARRY IN SERVICE**



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