

MBI WELDING GROUP

An ISO 9001:2015 Certified Company



MBI WELDING GROUP
An ISO 9001:2015 Certified Company

MBI-ARC 200T



MBI-ARC 200T

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-ARC 200T
POWER VOLTAGE (V)	1Ph AC -230 ±10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	8
RATED INPUT POWER CAPACITY (KVA)	6
NO-LOAD VOLTAGE (V)	58
Current Adjust Range (A)	20 -200
Rated Output Current (A)	26
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Efficiency (%)	80
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	371×155×232
Machine Cooling Mode	Air Cooled
Weight (KG)	5.5
Welding Rod Diameter	2.5 -3.15
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET



MBI-ARC 400IJ



MBI-ARC 400IJ



Sailent features:-

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Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-ARC 400IJ
POWER VOLTAGE (V)	3Ph AC-415 \pm 15%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	18
RATED INPUT POWER CAPACITY (KVA)	18
NO-LOAD VOLTAGE (V)	72V DC
Current Adjust Range (A)	30-400
Duty Cycle (%)	60
NO-LOAD POWER (W)	70
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	540*360*520
Machine Cooling Mode	Air Cooled
Weight (KG)	28
Welding Rod Diameter (mm)	2.5 - 5.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MODULE IGBT

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MBI-ARC 630IJ



MBI-ARC 630IJ



Sailent features:-

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5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
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Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-ARC 630IJ
POWER VOLTAGE (V)	3Ph AC -415 ± 10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	22
RATED INPUT POWER CAPACITY (KVA)	28
NO-LOAD VOLTAGE (V)	75V DC
Current Adjust Range (A)	40-630
Duty Cycle (%)	60
NO-LOAD POWER (W)	70
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	670*320*640
Machine Cooling Mode	Air Cooled
Weight (KG)	48
Welding Rod Diameter (mm)	2.5 - 6.3
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MODULE IGBT



MBI-CUT40



MBI-CUT40

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Cutting steel and non-ferrous material
- Gauging application
- Bevel and hole cutting
- Cutting of gratings
- Stack cutting and shape cutting
- Shipyards industries
- Nuclear industries
- Foundry industries
- Pipe industries
- Automotive and railroad components

PARAMETER	MBI-CUT40
Input Power Supply (V)	AC230V±10%, 1ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	9
RATED INPUT POWER (KVA)	6.5
NO-LOAD VOLTAGE (V)	260
Current Adjust Range (A)	(15-40)
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	8
Cutting Thickness (mm)	(1-5)
Cutting pressure (Kg/cm)	(2-3)
Output characteristics	CC
Overall Dimension (mm)	395X153X301
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET

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MBI-CUT70F



MBI-CUT70F

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Cutting steel and non-ferrous material
- Gauging application
- Bevel and hole cutting
- Cutting of gratings
- Stack cutting and shape cutting
- Shipyards industries
- Nuclear industries
- Foundry industries
- Pipe industries
- Automotive and railroad components

PARAMETER	MBI-CUT70F
Input Power Supply (V)	AC380-415V±10%, 3ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	12
RATED INPUT POWER (KVA)	8
NO-LOAD VOLTAGE (V)	290
Current Adjust Range (A)	20-70
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	18
Cutting Thickness (mm)	(1-12)
Cutting pressure (Kg/cm)	(3-5)
Output characteristics	CC
Overall Dimension (mm)	550x280x545
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	IGBT

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MBI-CUT80G



MBI-CUT80G

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Cutting steel and non-ferrous material
- Gauging application
- Bevel and hole cutting
- Cutting of gratings
- Stack cutting and shape cutting
- Shipyards industries
- Nuclear industries
- Foundry industries
- Pipe industries
- Automotive and railroad components

PARAMETER	MBI-CUT80G
Input Power Supply (V)	AC380-415V±10%, 3ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	14
RATED INPUT POWER (KVA)	11.2
NO-LOAD VOLTAGE (V)	320
Current Adjust Range (A)	10-50
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	24
Cutting Thickness (mm)	(1-18)
Cutting pressure (Kg/cm)	(3-6)
Output characteristics	CC
Overall Dimension (mm)	560 x 290 x 545
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	IGBT

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MBI-CUT100



MBI-CUT100



Recommended areas of use:

Cutting steel and non-ferrous material
Gauging application
Bevel and hole cutting
Cutting of gratings
Stack cutting and shape cutting
Shipyards industries
Nuclear industries
Foundry industries
Pipe industries
Automotive and railroad components

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

PARAMETER	MBI-CUT100
Input Power Supply (V)	AC415V±10%, 3ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	21.4
RATED INPUT POWER (KVA)	16
NO-LOAD VOLTAGE (V)	320
Current Adjust Range (A)	30-100
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	32
Cutting Thickness (mm)	(1-30)
Cutting pressure (Kg/cm)	(4-6)
Output characteristics	CC
Overall Dimension (mm)	676 × 333 × 712
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MODULE IGBT



MBI-ECO 250



MBI-ECO 250

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-ECO 250
POWER VOLTAGE (V)	1Ph AC-230±10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	8
RATED INPUT POWER CAPACITY (KVA)	6
NO-LOAD VOLTAGE (V)	58
Current Adjust Range (A)	20 -250
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Efficiency (%)	80
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	371×155×232
Machine Cooling Mode	Air Cooled
Weight (KG)	3.5
Welding Rod Diameter (mm)	2.5 -3.15
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT



MBI-LGK 120



MBI-LGK 120

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Cutting steel and non-ferrous material
- Gauging application
- Bevel and hole cutting
- Cutting of gratings
- Stack cutting and shape cutting
- Shipyards industries
- Nuclear industries
- Foundry industries
- Pipe industries
- Automotive and railroad components

PARAMETER	MBI-LGK 120
Input Power Supply (V)	AC415V±10%, 3ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	26
RATED INPUT POWER (KVA)	22
NO-LOAD VOLTAGE (V)	320
Current Adjust Range (A)	20-120
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	40
Cutting Thickness (mm)	(1-35)
Cutting pressure (Kg/cm)	(6-7)
Output characteristics	CC
Overall Dimension (mm)	682x348x735
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MODULE IGBT



MBI-LGK 160



MBI-LGK 160

Silent features:-

1. Inverter technology.
2. Low cost cutting with high stable and stiff arc, which brings you smooth cutting and small cutting angle.
3. Pilot Arc Start increases cutting efficiency.
4. Conveniently and quickly cut metal plate.
5. Built-in air filter and regulator.
6. Equipped with over/under voltage, as well as insufficient compressor air pressure protection.
7. Smooth cutting surface with high cutting speed.
8. Widely used in cutting carbon steel, stainless steel, copper, cast iron and aluminium, etc.
9. Strengthened and protection on cutting torch connector largely enhances operator's safety.
10. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Cutting steel and non-ferrous material
- Gauging application
- Bevel and hole cutting
- Cutting of gratings
- Stack cutting and shape cutting
- Shipyards industries
- Nuclear industries
- Foundry industries
- Pipe industries
- Automotive and railroad components

PARAMETER	MBI-LGK 160
Input Power Supply (V)	AC415V±10%, 3ph
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	34
RATED INPUT POWER (KVA)	29.2
NO-LOAD VOLTAGE (V)	320
Current Adjust Range (A)	30-160
Duty Cycle (%)	60
Efficiency (%)	85
Arc starting	HF
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Machine Cooling Mode	Air Cooled
Weight (KG)	55
Cutting Thickness (mm)	(1-50)
Cutting pressure (Kg/cm)	(6-8)
Output characteristics	CC
Overall Dimension (mm)	690X375X745
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MODULE IGBT

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MBI-MIG250F

Sailent features:-

1. Digital Inverter design control MIG/GMAW and FCAW welding outfit which offers stable, low spatter arc performance
2. Lightweight and compact MIG/MAG/FCAW welding outfit
3. Two track & four track option for continuous welding purpose
4. Continuous adjustment of welding voltage and current
5. Adjustable MIG arc force strictly execute the arc features for fine tuning arc characteristics in MIG and Stick modes
6. Greater efficiency and higher power factor results in greater power saving
7. Printed circuit wire feeder motor for advance resolution and reliability
8. Automatic compensation for mains voltage fluctuations
9. Uniform wire feeding through dual gear driven drive
10. Higher accuracy due to power SMD technology
11. Digital Display licence accurate and repeatable setting of welding limits
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

Industrial fabrication
Pipeline industry
Maintenance and repair
Heavy structure work
Steel construction industries
Railway, shipping & aviation
Automobile industry
Structural fabrication
Fabrication of sheet metal products
Building & construction



MBI-MIG250F

PARAMETER	MBI-MIG250F
POWER VOLTAGE (V)	3P AC-380/415±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	15.6
RATED INPUT POWER CAPACITY (KVA)	9.2
NO-LOAD VOLTAGE (V)	58
Current Adjust Range (A)	50-250
Duty Cycle (%)	60
Efficiency (%)	85
Type of Wire feeder	Separate
Wire feeding Speed (m/min)	1.5-15
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	510x273x440
Machine Cooling Mode	Air Cooled
Weight (KG)	26
Wire Dia (mm)	0.8/1.0
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel , Aluminium
Switching Device	MOSFET

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MBI-MIG250S

Sailent features:-

1. Digital Inverter design control MIG/GMAW and FCAW welding outfit which offers stable, low spatter arc performance
2. Lightweight and compact MIG/MAG/FCAW welding outfit
3. Two track & four track option for continuous welding purpose
4. Continuous adjustment of welding voltage and current
5. Adjustable MIG arc force strictly execute the arc features for fine tuning arc characteristics in MIG and Stick modes
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11. Digital Display licence accurate and repeatable setting of welding limits
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

Industrial fabrication
Pipeline industry
Maintenance and repair
Heavy structure work
Steel construction industries
Railway, shipping & aviation
Automobile industry
Structural fabrication
Fabrication of sheet metal products
Building & construction



MBI-MIG250S

PARAMETER	MBI-MIG250GF
POWER VOLTAGE (V)	3Ph AC-380/415±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	15
RATED INPUT POWER CAPACITY (KVA)	9.2
NO-LOAD VOLTAGE (V)	58
Current Adjust Range (A)	50-250
Duty Cycle (%)	60
Efficiency (%)	85
Type of Wire feeder	Separate
Wire feeding Speed (m/min)	1.5-15
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	510x290x445
Machine Cooling Mode	Air Cooled
Weight (KG)	26
Wire Dia (mm)	0.8/1.0
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel , Aluminium
Switching Device	IGBT

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MBI-MIG400I



MBI-MIG400I

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5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
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Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-MIG400I
POWER VOLTAGE (V)	3Ph AC415V±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	23
RATED INPUT POWER CAPACITY (KVA)	18
NO-LOAD VOLTAGE (V)	60
Current Adjust Range (A)	50-400
Duty Cycle (%)	60
Efficiency (%)	85
Type of Wire feeder	Separate
Wire feeding Speed (m/min)	1.5-22
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	550x280x438
Machine Cooling Mode	Air Cooled
Weight (KG)	36
Wire Dia (mm)	0.8/1.0/1.2/1.6
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel , Aluminium
Switching Device	MODULE IGBT

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Sailent features:-

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4. Suitable for welding all kinds of basic welding rods
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6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
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11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-MIG400IJ
POWER VOLTAGE (V)	3Ph AC415V±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	24
RATED INPUT POWER CAPACITY (KVA)	19
NO-LOAD VOLTAGE (V)	60
Current Adjust Range (A)	50-400
Duty Cycle (%)	60
Efficiency (%)	85
Type of Wire feeder	Seperate
Wire feeding Speed (m/min)	1.5-22
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	560x285x445
Machine Cooling Mode	Air Cooled
Weight (KG)	36
Wire Dia (mm)	0.8/1.0/1.2/1.6
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel , Aluminium
Switching Device	MODULE IGBT

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MBI-MIG500I



Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

MBI-MIG500I

PARAMETER	MBI-MIG500I
POWER VOLTAGE (V)	3Ph AC415V±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	24
RATED INPUT POWER CAPACITY (KVA)	24
NO-LOAD VOLTAGE (V)	60
Current Adjust Range (A)	50-500
Duty Cycle (%)	60
Efficiency (%)	85
Type of Wire feeder	Seperate
Wire feeding Speed (m/min)	1.5-22
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	575x285x455
Machine Cooling Mode	Air Cooled
Weight (KG)	44
Wire Dia (mm)	0.8/1.0/1.2/1.6
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel , Aluminium
Switching Device	MODULE IGBT

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MBI-TIG/MMA 200



MBI-TIG/MMA 200

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA 200
POWER VOLTAGE (V)	1Ph AC-230±15%
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	12
RATED INPUT POWER CAPACITY (KVA)	5
NO-LOAD VOLTAGE (V)	65±5
Current Adjust Range (A)	10-200
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.89
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	400×1550×300
Machine Cooling Mode	Air Cooled
Weight (KG)	8
Tungsten Rod Diameter (mm)	1.6-2.4
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT

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MBI-TIG/MMA250



MBI-TIG/MMA250

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA250
POWER VOLTAGE (V)	1Ph AC230V±15%
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	9.5
RATED INPUT POWER CAPACITY (KVA)	7
NO-LOAD VOLTAGE (V)	60
Current Adjust Range (A)	10-250
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	380x155x305
Machine Cooling Mode	Air Cooled
Weight (KG)	10
Tungsten Rod Diameter (mm)	1.6-2.4
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MOSFET

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MBI-TIG/MMA300



MBI-TIG/MMA300

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA300
POWER VOLTAGE (V)	3Ph AC415V
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	11
RATED INPUT POWER CAPACITY (KVA)	9
NO-LOAD VOLTAGE (V)	65
Current Adjust Range (A)	10-300
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	482x235x420
Machine Cooling Mode	Air Cooled
Weight (KG)	16
Tungsten Rod Diameter (mm)	1.6-3.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MOSFET

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MBI-TIG/MMA330



MBI-TIG/MMA330

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA330
POWER VOLTAGE (V)	3Ph AC380V±15%
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	16
RATED INPUT POWER CAPACITY (KVA)	11
NO-LOAD VOLTAGE (V)	70±5
Current Adjust Range (A)	20-330
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	480x205x370
Machine Cooling Mode	Air Cooled
Weight (KG)	22
Tungsten Rod Diameter (mm)	1.6-3.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT



MBI-MMA 400D



MBI-MMA 400D



Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-MMA 400D
POWER VOLTAGE (V)	3Ph AC -380 ± 15%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	14.5
RATED INPUT POWER CAPACITY (KVA)	14
NO-LOAD VOLTAGE (V)	70V DC
Current Adjust Range (A)	20 -400
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	470x260x465
Machine Cooling Mode	Air Cooled
Weight (KG)	25
Welding Rod Diameter (mm)	2.5 -4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MODULE IGBT

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MMA 500

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry



MMA 500



PARAMETER	MMA 500
POWER VOLTAGE (V)	3Ph AC-415 ± 15%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	22
RATED INPUT POWER CAPACITY (KVA)	13
NO-LOAD VOLTAGE (V)	72
Current Adjust Range (A)	20 - 500
Rated Output Current (A)	34
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	505×275×425
Machine Cooling Mode	Air Cooled
Weight (KG)	24
Welding Rod Diameter	2.5 - 4.0
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET

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MBI-TIG/MMA630IJ



MBI-TIG/MMA630IJ

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA 630IJ
POWER VOLTAGE (V)	3Ph AC415V
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	32
RATED INPUT POWER CAPACITY (KVA)	22.5
NO-LOAD VOLTAGE (V)	80±5
Current Adjust Range (A)	20-600
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	89
POWER FACTOR	0.89
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	628x330x565
Machine Cooling Mode	Air Cooled
Weight (KG)	42
Tungsten Rod Diameter (mm)	1.6-4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MODULE IGBT

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MBI-MOS 250S



MBI-MOS 250S

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-MOS 250S
POWER VOLTAGE (V)	1Ph AC -230 ±10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	11
RATED INPUT POWER CAPACITY (KVA)	7
NO-LOAD VOLTAGE (V)	65
Current Adjust Range (A)	20 - 250
Rated Output Current (A)	30
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	375×153×232
Machine Cooling Mode	Air Cooled
Weight (KG)	7.5
Welding Rod Diameter	2.5 - 3.15
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET

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MBI-MOS 300S



MBI-MOS 300S

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-MOS 300S
POWER VOLTAGE (V)	1Ph AC -230 \pm 10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	16
RATED INPUT POWER CAPACITY (KVA)	9.5
NO-LOAD VOLTAGE (V)	68V
Current Adjust Range (A)	20 - 300
Rated Output Current (A)	32
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	500×263×421
Machine Cooling Mode	Air Cooled
Weight (KG)	16
Welding Rod Diameter	2.5 - 4.0
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET

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MBI-MZ 1000



MBI-MZ 1000

Saillant features:-

1. Digital Inverter design control Multi - Functional : SAW , MMA and Carbon Gouging
2. Auto - Protection against Over - Voltage , Over - Current and Over - heated
3. Dust - Free Cooling System with Upgraded Duty Cycle
4. Power supply is CC-CV type
5. Naturally picks the MMA or SAW process based on welding head connections to power source
6. Greater efficiency and higher power factor results in greater power saving
7. The entire system composed of inverter based power source, tractor boom mounted welding head and interrelated cables
8. Automatic compensation for mains voltage fluctuations
9. Energy efficient outfit, built in with high efficiency and high power factor power source, saves power consumption and reduce energy bills up to 30% over conventional type of machines
10. Higher accuracy due to power SMD technology
11. Core parts are laminated to conserve against moisture and corrosion; Changeable side panels grant easy access to internal parts
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Fabrication of pipes
- Fabrication of pressure vessels, boilers
- Structural shapes
- Earth moving equipment
- Automotive
- Aviation
- Ship-building
- Nuclear power industry
- Heavy construction
- Building & construction

PARAMETER	MBI-MZ 1000
POWER VOLTAGE (V)	3Ph AC -415± 15 %
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	36
RATED INPUT POWER (KVA)	72
NO-LOAD VOLTAGE (V)	80
Current Adjust Range (A)	90-1000
Duty Cycle (%)	80
Efficiency (%)	85
Wire feeding Speed (m/min)	0.5-4.0 m/min
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	760× 380× 820
Machine Cooling Mode	Air Cooled
Weight (KG)	115
Wire Dia (mm)	2.4 / 3.15/4.0
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel
Switching Device	MODULE IGBT

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MBI-MZ 1250



MBI-MZ 1250

Saillant features:-

1. Digital Inverter design control Multi - Functional : SAW , MMA and Carbon Gouging
2. Auto - Protection against Over - Voltage , Over - Current and Over - heated
3. Dust - Free Cooling System with Upgraded Duty Cycle
4. Power supply is CC-CV type
5. Naturally picks the MMA or SAW process based on welding head connections to power source
6. Greater efficiency and higher power factor results in greater power saving
7. The entire system composed of inverter based power source, tractor boom mounted welding head and interrelated cables
8. Automatic compensation for mains voltage fluctuations
9. Energy efficient outfit, built in with high efficiency and high power factor power source, saves power consumption and reduce energy bills up to 30% over conventional type of machines
10. Higher accuracy due to power SMD technology
11. Core parts are laminated to conserve against moisture and corrosion; Changeable side panels grant easy access to internal parts
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

- Fabrication of pipes
- Fabrication of pressure vessels, boilers
- Structural shapes
- Earth moving equipment
- Automotive
- Aviation
- Ship-building
- Nuclear power industry
- Heavy construction
- Building & construction

PARAMETER	MBI-MZ 1250
POWER VOLTAGE (V)	3Ph AC -415± 15 %
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	42
RATED INPUT POWER (KVA)	78
NO-LOAD VOLTAGE (V)	85
Current Adjust Range (A)	100-1250
Duty Cycle (%)	80
Efficiency (%)	85
Wire feeding Speed (m/min)	0.5-5.0 m/min
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Overall Dimension (mm)	780× 380× 830
Machine Cooling Mode	Air Cooled
Weight (KG)	125
Wire Dia (mm)	2.4/3.15/4.0/5.0
Base Material	Carbon steel ,Stainless steel Low - alloy steel , Austenitic Stainless Steel
Switching Device	MODULE IGBT

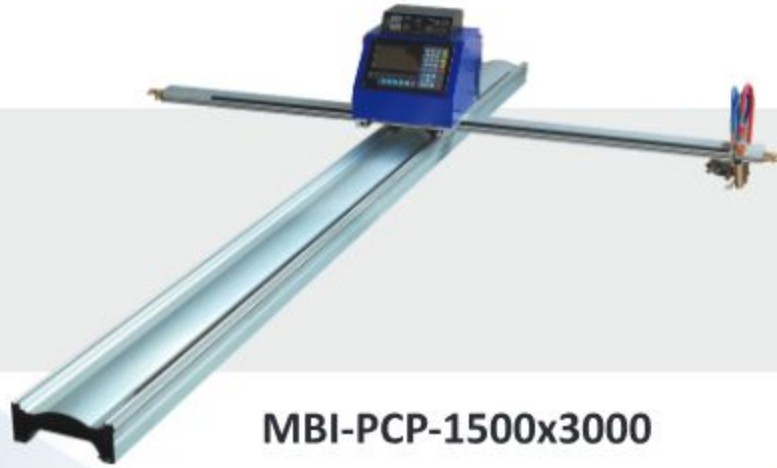
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MBI-PCP-1500x3000



MBI-PCP-1500x3000

Salient Features:-

1. Machine Heavy-Duty Rail for accuracy and durability
2. 2 Axis system with high accuracy machined rack and pinion drives
3. Initial Height Sensing (IHS) and Auto Height Control for Plasma cutting
4. Exactness low backfire (<7 arcmin) heavy-duty gearboxes for smooth movement
5. Positioning Accuracy: +/- 0.5mm, Repeatability: +/- 0.5mm
6. Machined Mating Surfaces for high solidness and precision
7. Cable drag chains for hoses and cables
8. Bluetooth compatible
9. Computerized ac servo drives and engines for rapid, radiant control, high accuracy and high repeatability
10. Drive rack mounted straightforwardly on extrusion surface with guide-ways for exact alignment
11. Programs like speed, pierce time, pulse, motions, etc are built-in for improving cutting quality
12. Works with both and easy to exchange flame and plasma cutting model
13. USB port available for nesting software like Fast CAM
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use: Fabrication shops
Automotive repair and restoration
Industrial construction Salvage and scrapping operations
Stack cutting and shape cutting
Shipyards industries
Nuclear industries
Foundry industries

Item\Model No.	MBI-PCP-1500x3000
POWER VOLTAGE (V)	1Ph AC -230
FREQUENCY (Hz)	50
No. of Gas Torches (Oxyfuel)	1
Effective cutting width(mm)	1500
Effective cutting length	3000
Track Width (mm)	2000
Track Length (mm)	3500
Positioning speed(mm/min)	4000
Cutting Speed (Settable) (mm/min)	0 – 1500
Efficiency (%)	85
Dual Linear motion guide for transverse and longitudinal drive	Transmission system
Heat resistive heavy duty Iron frame for Y-Axis	Y-axis frame
One Station	Plasma
Power Source	As per cutting thickness
Cutting Thickness	As per power source
Software	Fast cam(Basic)
Base Material	Carbon steel , Stainless steel, Low - alloy steel
No of Axis	Two
Weight (Kg)	130

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MBI-POWER 630-2T



MBI-POWER 630-2T

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-POWER 630-2T (Double Holder)
POWER VOLTAGE (V)	3Ph AC-415 \pm 15%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	14A*2
RATED INPUT POWER CAPACITY (KVA)	20.5KVA*2
NO-LOAD VOLTAGE (V)	65V DC
Current Adjust Range (A)	20 - 300A*2
Duty Cycle (%)	60% @ 300A*2
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.95
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	502×263×501
Machine Cooling Mode	Air Cooled
Weight (KG)	34
Welding Rod Diameter (mm)	2.5-4
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MODULE IGBT



MBI-RAMBO 255S



MBI-RAMBO 255S

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-RAMBO 255S
POWER VOLTAGE (V)	1/2Ph AC120-560V
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	9
RATED INPUT POWER CAPACITY (KVA)	6.5
NO-LOAD VOLTAGE (V)	60
Current Adjust Range (A)	20-255
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	275x145x210
Machine Cooling Mode	Air Cooled
Weight (KG)	5.5
Welding Rod Diameter (mm)	2.5-3.15
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT

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MBI-RAMBO 275



MBI-RAMBO 275

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-RAMBO 275
POWER VOLTAGE (V)	1/2Ph AC220-560V
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	11
RATED INPUT POWER CAPACITY (KVA)	8
NO-LOAD VOLTAGE (V)	65
Current Adjust Range (A)	20-275
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	375x165x245
Machine Cooling Mode	Air Cooled
Weight (KG)	10
Welding Rod Diameter (mm)	2.5-4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT



MBI-RAMBO 320S



MBI-RAMBO 320S

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-RAMBO 320S
POWER VOLTAGE (V)	1/2Ph AC220-560V
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	12
RATED INPUT POWER CAPACITY (KVA)	9.5
NO-LOAD VOLTAGE (V)	68
Current Adjust Range (A)	20-320
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	390x165x265
Machine Cooling Mode	Air Cooled
Weight (KG)	14
Welding Rod Diameter (mm)	2.5-4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT

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MBI-RAMBO 400S



MBI-RAMBO 400S

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-RAMBO 400S
POWER VOLTAGE (V)	1/2Ph AC230-415V
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	13
RATED INPUT POWER CAPACITY (KVA)	11
NO-LOAD VOLTAGE (V)	70
Current Adjust Range (A)	20-400
Duty Cycle (%)	60
NO-LOAD POWER (W)	60
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	425x230x435
Machine Cooling Mode	Air Cooled
Weight (KG)	16
Welding Rod Diameter (mm)	2.5-4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	IGBT



MBI-STAR 300

Saillant features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified



MBI-STAR 300

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry



PARAMETER	MBI-STAR 300
POWER VOLTAGE (V)	1Ph AC -230 ±10%
FREQUENCY (Hz)	50/60
RATED INPUT CURRENT (A)	11
RATED INPUT POWER CAPACITY (KVA)	7
NO-LOAD VOLTAGE (V)	65
Current Adjust Range (A)	20 - 250
Rated Output Current (A)	30
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	375×153×232
Machine Cooling Mode	Air Cooled
Weight (KG)	7.5
Welding Rod Diameter	2.5 - 3.15
Base Material	Carbon steel ,Stainless steel, Low - alloy steel
Switching Device	MOSFET

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MBI-TIG200A



MBI-TIG200A

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG200A
POWER VOLTAGE (V)	1Ph AC-230±15%
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	8
RATED INPUT POWER CAPACITY (KVA)	6
NO-LOAD VOLTAGE (V)	58
Current Adjust Range (A)	10-200
Duty Cycle (%)	60
NO-LOAD POWER (W)	35
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	371×153×232
Machine Cooling Mode	Air Cooled
Weight (KG)	8
Tungsten Rod Diameter (mm)	1.6-2.4
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MOSFET



MBI-TIG250P AC / DC



MBI-TIG250P AC / DC

Sailent features:-

1. AC/DC TIG and ARC (MMA) dual purpose welding mechanism.
2. Advance Inverter Technology
3. Auto protection of over-voltage and over-current
4. Reliable digital inverter pulse mode AC/DC TIG welding, with HF and MMA (Stick) for constant inverter functioning
5. Adjustable slop up/down, Gas Pre-flow and Post-flow control for maximum shielding gas protection before and after the weld
6. Portable and Lightweight design presents rugged exterior and a flip down visor to protect panel from burns and damage
7. Combination of AC and DC TIG permit deep penetration and significantly cut down electrode consumption
8. Advanced pulse functions facilitate better control over heat input, resulting less distortion on thin metals
9. Light and handy for easy portability
10. 2T/4T up and down slope application for welding with torch switch
11. Micro pulse disparaging heat affected zone especially on thin material
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

Automotive parts
Sheet metal and thinner sections
Aircraft industries
Chemical and instrument industries
Furniture & kitchenware
Mechanical components
Plant & machinery
Maintenance and repair
Atomic energy
Instrument diaphragms
Instrument industries



PARAMETER	MBI-TIG250P AC / DC
POWER VOLTAGE (V)	1Ph AC-230±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	16
RATED INPUT POWER (KVA)	9
NO-LOAD VOLTAGE (V)	60V
Current Adj. Range TIG Mode (A)	5-250
Current Adj. Range ARC Mode (A)	10-250
Duty Cycle (%)	60
Remote Function	YES
Ignite Method	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Pre-flow (S)	0-5
Pulse width (%)	(10-90)
Down Slope (S)	0-5
Post flow (S)	(1-10)
Pulse frequency (Hz)	0.5-500
Overall Dimension (mm)	515x262x445
Machine Cooling Mode	Air Cooled
Weight (KG)	25
Tungsten Rod Diameter (mm)	1.6-2.4
Base Material	Carbon steel ,Stainless steel, Low - alloy steel , Aluminium
Switching Device	MOSFET

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MBI-TIG/MMA300



MBI-TIG/MMA300

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG/MMA300
POWER VOLTAGE (V)	3Ph AC415V
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	11
RATED INPUT POWER CAPACITY (KVA)	9
NO-LOAD VOLTAGE (V)	65
Current Adjust Range (A)	10-300
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	482x235x420
Machine Cooling Mode	Air Cooled
Weight (KG)	16
Tungsten Rod Diameter (mm)	1.6-3.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MOSFET

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MBI-TIG315P AC/DC



MBI-TIG315P AC/DC

Sailent features:-

1. AC/DC TIG and ARC (MMA) dual purpose welding mechanism.
2. Advance Inverter Technology
3. Auto protection of over-voltage and over-current
4. Reliable digital inverter pulse mode AC/DC TIG welding, with HF and MMA (Stick) for constant inverter functioning
5. Adjustable slop up/down, Gas Pre-flow and Post-flow control for maximum shielding gas protection before and after the weld
6. Portable and Lightweight design presents rugged exterior and a flip down visor to protect panel from burns and damage
7. Combination of AC and DC TIG permit deep penetration and significantly cut down electrode consumption
8. Advanced pulse functions facilitate better control over heat input, resulting less distortion on thin metals
9. Light and handy for easy portability
10. 2T/4T up and down slope application for welding with torch switch
11. Micro pulse disparaging heat affected zone especially on thin material
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

Automotive parts
Sheet metal and thinner sections
Aircraft industries
Chemical and instrument industries
Furniture & kitchenware
Mechanical components
Plant & machinery
Maintenance and repair
Atomic energy
Instrument diaphragms
Instrument industries



PARAMETER	MBI-TIG315P AC/DC
POWER VOLTAGE (V)	3Ph Ac380±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	18
RATED INPUT POWER (KVA)	12
NO-LOAD VOLTAGE (V)	65
Current Adj. Range TIG Mode (A)	5-315
Current Adj. Range ARC Mode (A)	10-300
Duty Cycle (%)	60
Remote Function	YES
Ignite Method	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Pre-flow (S)	0-5
Pulse width (%)	(10-90)
Down Slope (S)	0-10
Post flow (S)	0.1-20
Pulse frequency (Hz)	0.5-500
Overall Dimension (mm)	600x290x455
Machine Cooling Mode	Air Cooled
Weight (KG)	32
Tungsten Rod Diameter (mm)	1.6-4.0
Base Material	Carbon steel ,Stainless steel, Low - alloy steel , Aluminium
Switching Device	MOSFET



MBI-TIG 400



MBI-TIG 400

Sailent features:-

1. Advanced inverter technology
2. Stable arc and little splash and low noise
3. Auto protection of over-voltage and over-current
4. Suitable for welding all kinds of basic welding rods
5. Capable to work continuously
6. Automatic self-balancing ability when voltage is wavering
7. Beautiful shape and structural design
8. High efficiency, high frequency, low electricity consumption
9. Light and handy for easy portability
10. User friendly and easy maintenance
11. Excellent insulation properties
12. Perfect Self-protective design, anti-static, good corrosion resistance
13. Suitable for upholster industry, high attitude, field operation
14. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

1. General fabrication
2. Structural fabrication
3. Field and repair jobs
4. Gates and grills work
5. Building & construction
6. Office & school supplies
7. Electrical & mechanical repair
8. Light engineering works
9. Automotive and aircraft industry
10. Shipbuilding Industry

PARAMETER	MBI-TIG 400
POWER VOLTAGE (V)	3Ph AC415V
FREQUENCY (Hz)	50/60
INPUT CURRENT (A)	14
RATED INPUT POWER CAPACITY (KVA)	11
NO-LOAD VOLTAGE (V)	68
Current Adjust Range (A)	20-400
Duty Cycle (%)	60
NO-LOAD POWER (W)	40
Pilot arc model	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Shell Protection Class	Ip23
Overall Dimension (mm)	495x275x445
Machine Cooling Mode	Air Cooled
Weight (KG)	28
Tungsten Rod Diameter (mm)	1.6-4.0
Base Material	All Types of Carbon Steel, Stainless Steel, Low- alloy Steel
Switching Device	MOSFET

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MBI-TIG500P AC/DC



MBI-TIG500P AC/DC

Sailent features:-

1. AC/DC TIG and ARC (MMA) dual purpose welding mechanism.
2. Advance Inverter Technology
3. Auto protection of over-voltage and over-current
4. Reliable digital inverter pulse mode AC/DC TIG welding, with HF and MMA (Stick) for constant inverter functioning
5. Adjustable slop up/down, Gas Pre-flow and Post-flow control for maximum shielding gas protection before and after the weld
6. Portable and Lightweight design presents rugged exterior and a flip down visor to protect panel from burns and damage
7. Combination of AC and DC TIG permit deep penetration and significantly cut down electrode consumption
8. Advanced pulse functions facilitate better control over heat input, resulting less distortion on thin metals
9. Light and handy for easy portability
10. 2T/4T up and down slope application for welding with torch switch
11. Micro pulse disparaging heat affected zone especially on thin material
12. International Standard IEC 60974-1 & ISO 9001:2015 Certified

Recommended areas of use:

Automotive parts
Sheet metal and thinner sections
Aircraft industries
Chemical and instrument industries
Furniture & kitchenware
Mechanical components
Plant & machinery
Maintenance and repair
Atomic energy
Instrument diaphragms
Instrument industries



PARAMETER	MBI-TIG500P AC/DC
POWER VOLTAGE (V)	3Ph AC415V±15%
FREQUENCY (Hz)	50
RATED INPUT CURRENT (A)	18
RATED INPUT POWER (KVA)	18
NO-LOAD VOLTAGE (V)	75±5
Current Adj. Range TIG Mode (A)	10-500
Current Adj. Range ARC Mode (A)	20-500
Duty Cycle (%)	60
Remote Function	YES
Ignite Method	HF
Efficiency (%)	85
POWER FACTOR	0.93
Insulation Class	H
Protection Grade	Ip23
Pre-flow (S)	0-5
Pulse width (%)	(10-90)
Down Slope (S)	0-10
Post flow (S)	0.1-20
Pulse frequency (Hz)	0.5-500
Overall Dimension (mm)	760x380x820
Machine Cooling Mode	Air Cooled
Weight (KG)	58
Tungsten Rod Diameter (mm)	1.6-4.0
Base Material	Carbon steel ,Stainless steel, Low - alloy steel , Aluminium
Switching Device	MODULE IGBT