



iWeld®



TAURUS®



**WELDING AND PLASMA CUTTING
MACHINES**

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TAURUS MMA 200A INVERTER



The TAURUS MMA 200A single phase, 220V stick-electrode welding machine is designed and manufactured to the latest digital-inverter technology for demanding industrial applications. It is a compact light-weight inverter machine which ensures a clean, high-quality weld and excels in basic and rutile electrode welding. Professional and DIY welders can experience the built-in characteristics of anti-stick, hot-start and arc-force.

ACCESSORIES

- Earth-clamp cable kit.
- Electrode-holder cable kit.
- Shoulder-strap.
- Hand-held welding helmet.
- Mini chipping hammer with wire brush.

OPTIONAL EXTRAS

- TIG torch and argon flowmeter.

SOME KEY FEATURES

- IGBT system.
- Anti-stick, arc-force, hot start.
- Overheating & overvoltage self-protection.
- Digital display.
- TIG (scratch, not HF).

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-ARC200
MODEL	ARC-200
RATED POWER SUPPLY INPUT	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	35% @ 200A
OPEN CIRCUIT VOLTAGE	56V
WELDING CURRENT RANGE	20 - 200A
ELECTRODE SIZE	2.0 - 5.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	465 x 270 x 330mm ▪ 5.5kg

TAURUS MMA 250VRD HEAVY DUTY



The TAURUS MMA 250VRD single phase, 220V stick-electrode welding machine is designed and manufactured to the latest digital-inverter technology for demanding industrial applications. It is a compact light-weight inverter machine which ensures a clean, high-quality weld and excels in basic and rutile electrode welding. Professional and DIY welders can experience the built-in characteristics of anti-stick, hot-start and arc-force. The VRD has an added safety function keeping the output voltage low (lowering the output voltage) when the machine is not in use.

ACCESSORIES

- Earth-clamp cable kit.
- Electrode-holder cable kit.
- Shoulder-strap.
- Hand-held welding helmet.
- Mini chipping hammer with wire brush.

OPTIONAL EXTRAS

- TIG torch and argon flowmeter.

SOME KEY FEATURES

- IGBT system.
- Anti-stick, arc-force, hot start.
- Overheating & overvoltage self-protection.
- Digital display.
- TIG (scratch, not HF).
- Voltage reduction device (VRD).

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MMA250VRD
MODEL	TA-MMA-250VRD
RATED POWER SUPPLY INPUT	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 250A
OPEN CIRCUIT VOLTAGE	WITHOUT VRD (75V) ▪ WITH VRD ($\leq 15V$)
WELDING CURRENT RANGE	30 - 250A
ELECTRODE SIZE	2.0 - 5.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	410 x 170 x 260mm ▪ 9kg

TAURUS MMA630L HEAVY DUTY WELDER/ GOUGING - 380/525V



This Taurus MMA630L is a dual voltage, 630A DC MMA welding and gouging inverter machine. With its high-power IGBT and advanced inverter technology, it has good dynamic characteristics, stable arc, good welding quality and is easy to control, etc... It is widely used in mining, petrochemical industry, electric power construction, shipbuilding, machinery manufacturing, building construction, indoor and outdoor decoration, hardware products, furniture manufacturing, kitchen equipment and other industries. The Taurus MMA630L has a reasonable static and external characteristics and good dynamic performance. It is manufactured in accordance with safety requirements for arc welding equipment, IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- The Advanced control technology is used to meet various welding applications and greatly improve welding performance.
- It features easy arc starting, stable arc, less spatter, high metal deposition rate, less deformation and high seam quality.
- Adjustable ignition current and hot start arc ignition adjustment can render to MMA welding, making the function simpler and reliable in a higher degree.
- VRD function anti-electric shock protection attaches important to personal safety and be in line with international laws and international norms.
- Overheat protection enables high reliability of the welding machine.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- Electrode holder cable kit.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MMA630L
MODEL	MMA-630L
POWER SUPPLY VOLTAGE	380/525V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	80% @ 630A
OPEN CIRCUIT VOLTAGE	77V
WELDING RANGE	20 TO 630A
ELECTRODE SIZE	1.6 TO 6.0mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	647 x 367 x 542mm ▪ 27KG

TAURUS TIG DC 200A PULSE



The Taurus TIG DC 200A PULSE inverter is a robust, generator-friendly machine designed and manufactured for operation under demanding industrial conditions. The two main built-in functions, pulse welds and high frequency ignition, ensure professional ease of welding and high-quality welds. The pulse function facilitates control over the welding process and prevents burn-through on the workpiece. The high frequency ignition creates a very soft start arc and maximum arc control. This obviates the need to touch the workpiece with the tungsten electrode. Both functions have a great advantage when welding thin material.

ACCESSORIES

- Earth clamp cable kit.
- Electrode cable kit.
- TIG torch.
- Argon flowmeter.

SOME KEY FEATURES

- Heavy duty.
- Soft, stable arc.
- High quality welds.
- LCD digital display.
- Pulse welding and high frequency ignition.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-TIG200DC-HF-P
MODEL	TA-TIG200DC-HF-P
RATED POWER SUPPLY INPUT FOR TIG	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 200A ▪ 100% @ 155A
OPEN CIRCUIT VOLTAGE	62V
WELDING CURRENT RANGE	20 - 200A
DIMENSIONS(mm) AND NET WEIGHT(kg)	320 x 160 x 300mm ▪ 8kg

TAURUS TIG AC/DC 200A PULSE



The Taurus TIG AC/DC 200A PULSE inverter is a robust, generator-friendly machine designed and manufactured for operation under demanding industrial conditions. The two main built-in functions, pulse welds and high frequency ignition, ensure professional ease of welding and high-quality welds. The pulse function facilitates control over the welding process and prevents burn-through on the workpiece. The high frequency ignition creates a very soft start arc as well as maximum arc control. This obviates the need to touch the workpiece with the tungsten electrode. Both functions have a great advantage when welding thin material. The Taurus TIG AC/DC 200A PULSE inverter's selection panel allows welding with either AC or DC current - in AC mode for aluminium welding or in DC mode for all steel and steel alloy materials.

ACCESSORIES

- Earth clamp cable kit.
- Electrode holder cable kit.
- TIG torch.
- Argon flowmeter

OPTIONAL EXTRA

- Foot control if AC welding is required (TA-FOOT-CONTROL)

SOME KEY FEATURES

- Heavy duty.
- Soft, stable arc.
- High quality welds.
- LCD digital display.
- Pulse welding and high frequency ignition.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-TIG200ACDC-HF-P
MODEL	TA-TIG200ACDC-HF-P
RATED POWER SUPPLY INPUT	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 200A ▪ 100% @ 155A
OPEN CIRCUIT VOLTAGE	56V
WELDING CURRENT RANGE	5 - 200A
DIMENSIONS(mm) AND NET WEIGHT(kg)	500 x 220 x 400mm ▪ 12kg

TAURUS TIG300 AC/DC WELDER - 380V



This Taurus TIG300PI AC/DC is a 315A, 380V AC/DC TIG inverter welding machine. With its high-power IGBT and advanced inverter technology, it has good dynamic characteristics, stable arc, good welding quality and is easy to control, etc.. Suitable for welding non-ferrous metal material, like stainless steel, alloy steel, carbon steel, and copper, etc. and can be applied to electric power construction, building construction, hardware products, furniture manufacturing, kitchen equipment and other industries. When the output is set to alternating current, it is used to weld aluminum alloy and aluminum alloy materials, for example, bicycle frame welding, indoor and outdoor decoration, etc ... This Taurus TIG300PI AC/DC inverter welding machine has a reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc.

SOME KEY FEATURES

- Multi function, digital controlled welding machines featuring DC TIG, pulsed DC TIG pulsed AC TIG and MMA welding in one simple designed, light and small size unit.
- Multi layer control circuit boards ensure high reliability and a long service life.
- The secondary inverter technology produces a pure square wave output, excellent arc force performance and a wide cleaning range, a combination ensuring high quality welding results.
- Easy arc start facilitated by the high frequency, high voltage arc ignition circuit and stable, reliable arc performance.
- Pulsed welding with adjustable pulse frequency ensuring high quality welding on thin metal sheet, dissimilar metals, varying thickness materials and even for double sided forming welds.
- Foot control available to adjust current freely, improve welding efficiency, reduce welding difficulties and ensure welding quality. Increase current for rapid heating and decrease current to generate a weld seam.
- Overheat protection improves machine reliability

ACCESSORIES

- Earth clamp cable kit.
- TIG torch.
- Argon Flowmeter.

OPTIONAL EXTRAS

- Foot control, water cooling unit and water cooled TIG torch.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-TIG300AC/DC-PI
MODEL	TIG-300PI ACDC
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 300A
OPEN CIRCUIT VOLTAGE	70V
WELDING RANGE	10 TO 300A (TIG) ▪ 20 TO 250A (MMA)
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	630 x 315 x 530mm ▪ 22KG

TAURUS MIG/MMA 250TD COMPACT

WELDER - 220V



This Taurus MIG-250TD welding machine is a high performance semi-automatic welding machine for CO₂ and mixed gas shielded welding. It can weld low carbon steel, low alloy steel, stainless steel, galvanized sheet, copper and other components. It uses $\Phi 0.8$ - $\Phi 1.2$ mm diameter stainless steel welding wire, steel wire, gasless wire and other solid wire. It can be applied to electric power construction, shipbuilding, machinery manufacturing, building construction, fabrication and other industries. This MIG inverter welding machines have reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- The undercarriage with cylinder trolley makes it easy to move.
- Precise digital output by digital CPU control system
- All in one energy saving multiple welding functions.
- High efficiency and duty cycle, with no noise from arc welding rectifier.
- The closed-loop control system ensures a more stable welding voltage in the case of grid voltage fluctuation and the change of arc length.
- An excellent arc self-regulation, and a stable welding process.
- Less spatter and high metal deposition rate giving a good welding bead and less deformation.
- MMA function is designed to weld with different diameter electrodes and various electrodes like acid, alkaline, stainless steel, cast iron, etc with excellent performance.
- With perfect protection circuitry, it is safe, reliable and convenient for troubleshooting.
- Reasonable structure, simple layout and easy maintenance.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG250TD
MODEL	MIG250TD
POWER SUPPLY VOLTAGE	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 250A
OPEN CIRCUIT VOLTAGE	52V
WELDING RANGE	50 TO 250A
WIRE DIAMETER	0.8 TO 1.2mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	740 x 375 x 750mm ▪ 41KG

TAURUS MIG/MMA 300TD COMPACT

WELDER - 380V



This Taurus MIG-300TD welding machine is a high performance semi-automatic welding machine for CO₂ and mixed gas shielded welding. It can weld low carbon steel, low alloy steel, stainless steel, galvanized sheet, copper and other components. It uses $\Phi 0.8$ - $\Phi 1.2$ mm diameter stainless steel welding wire, steel wire, gas-less wire and other solid wire. It can be applied to electric power construction, shipbuilding, machinery manufacturing, building construction, fabrication and other industries. This MIG inverter welding machines have reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- The undercarriage with cylinder trolley makes it easy to move.
- Precise digital output by digital CPU control system
- All in one energy saving multiple welding functions.
- High efficiency and duty cycle, with no noise from arc welding rectifier.
- The closed-loop control system ensures a more stable welding voltage in the case of grid voltage fluctuation and the change of arc length.
- An excellent arc self-regulation, and a stable welding process.
- Less spatter and high metal deposition rate giving a good welding bead and less deformation.
- MMA function is designed to weld with different diameter electrodes and various electrodes like acid, alkaline, stainless steel, cast iron, etc with excellent performance.
- With perfect protection circuitry, it is safe, reliable and convenient for troubleshooting.
- Reasonable structure, simple layout and easy maintenance.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG300TD
MODEL	MIG300TD
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 300A
OPEN CIRCUIT VOLTAGE	55V
WELDING RANGE	50 TO 300A
WIRE DIAMETER	0.8 TO 1.2mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	740 x 375 x 750mm ■ 42KG

TAURUS MIG/MMA350I WELDER WITH SEPERATE WIREFEEDER - 380V



This Taurus MIG350I is a 380v, 500A MIG welding inverter machine. With it's high-power IGBT and advanced inverter technology, it has good dynamic characteristics, stable arc, good welding quality and is easy to control. It's a high performance semi-automatic welding machine for CO2 and mixed gas shielded welding. It can weld low carbon steel, low alloy steel, stainless steel, galvanized sheet, copper and other components, using $\Phi 0.8\text{-}\Phi 1.6\text{mm}$ diameter stainless steel welding wire, steel wire and other solid wire.

This Taurus MIG350I is widely used in industries such as electric power construction, shipbuilding, machinery manufacturing, building construction, fabrication and other industries. It has reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Precise digital output by digital CPU control system,
- All in one multiple welding functions allows for MIG gas welding, MIG flux core welding, DC MMA welding and DC lift TIG welding.
- Easy to move, energy saving, high efficiency and duty cycle with no noise from arc welding rectifier.
- The closed-loop control system ensures a more stable welding voltage in the case of grid voltage fluctuation and the change of arc length
- An excellent arc self-regulation, and a stable welding process.
- Less spatter, high metal deposition rate, good welding bead sand less deformation.
- With self-locking function, it can greatly reduce the welder's labour intensity when welding large-scale and long welding seam.
- MMA function is designed to weld various electrodes like acid, alkaline, stainless steel, cast iron, etc with excellent performance.
- Perfect protection circuit makes it safe, reliable and convenient for trouble-shooting.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

OPTIONAL EXTRAS

- Water cooling unit and water cooled MIG gun

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG350I
MODEL	MIG-350I
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 350A
OPEN CIRCUIT VOLTAGE	67V
WELDING RANGE	60 TO 350A
WIRE DIAMETER	0.8 TO 1.6mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	710 x 385 x 680mm ▪ 18KG (PSU) 565 x 275 x 392mm ▪ 28KG (FEEDER)

TAURUS MIG/MMA500I WELDER WITH SEPERATE WIREFEEDER - 380V



This Taurus MIG500I is a 380v, 500A MIG welding inverter machine. With it's high-power IGBT and advanced inverter technology, it has good dynamic characteristics, stable arc, good welding quality and is easy to control. It's a high performance semi-automatic welding machine for CO2 and mixed gas shielded welding. It can weld low carbon steel, low alloy steel, stainless steel, galvanized sheet, copper and other components, using $\Phi 0.8\text{-}\Phi 1.6\text{mm}$ diameter stainless steel welding wire, steel wire and other solid wire.

This Taurus MIG500I is widely used in industries such as electric power construction, shipbuilding, machinery manufacturing, building construction, fabrication and other industries. It has reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Precise digital output by digital CPU control system,
- All in one multiple welding functions allows for MIG gas welding, MIG flux core welding, DC MMA welding and DC lift TIG welding.
- Easy to move, energy saving, high efficiency and duty cycle with no noise from arc welding rectifier.
- The closed-loop control system ensures a more stable welding voltage in the case of grid voltage fluctuation and the change of arc length
- An excellent arc self-regulation, and a stable welding process.
- Less spatter, high metal deposition rate, good welding bead sand less deformation.
- With self-locking function, it can greatly reduce the welder's labour intensity when welding large-scale and long welding seam.
- MMA function is designed to weld various electrodes like acid, alkaline, stainless steel, cast iron, etc with excellent performance.
- Perfect protection circuit makes it safe, reliable and convenient for trouble-shooting.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG500I
MODEL	MIG-500I
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 500A
OPEN CIRCUIT VOLTAGE	70V
WELDING RANGE	60 TO 500A
WIRE DIAMETER	0.8 TO 1.6mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	740 x 405 x 710mm ▪ 20KG (PSU) 565 x 275 x 392mm ▪ 37KG (FEEDER)

TAURUS MIG/MMA500L PRO WELDER WITH SEPERATE WIREFEEDER - 380/525V



This Taurus MIG500LPRO is a 380v/525v dual voltage, 500A MIG welding inverter machine. With it's high-power IGBT and advanced inverter technology, it has good dynamic characteristics, stable arc, good welding quality and is easy to control. It is a high performance semi-automatic welding machine for CO2 and mixed gas shielded welding. It can weld low carbon steel, low alloy steel, stainless steel, galvanized sheet, copper and other components, using $\Phi 0.8$ - $\Phi 1.6$ mm diameter stainless steel welding wire, steel wire and other solid wire.

The Taurus MIG500LPRO is widely used in industries such as mining, electric power construction, shipbuilding, machinery manufacturing, building construction, fabrication and other industries. They have reasonable static characteristics and good dynamic performance and they are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Simple appearance design, small size, light weight, multilayer control circuit board and proper machine structure ensures easy maintenance.
- The closed-loop control system ensures a more stable welding voltage in the case of grid voltage fluctuation and the change of arc length
- An excellent arc self-regulation, and a stable welding process.
- High efficiency and duty cycle with no noise from arc welding rectifier.
- Simple and easy operational interface with synergic adjustment.
- Less spatter and high metal deposition rate.
- Nice welding bead and less deformation.
- The self-locking function can greatly reduce the welder's labour intensity when welding large-scale and long welding seam.
- MMA function is designed to weld various electrodes like acid, alkaline, stainless steel, cast iron, etc with excellent performance.
- With perfect protection circuit, it is safe, reliable and convenient for trouble-shooting.
- The machine meets IP21S protection level to ensure its reliability in harsh environment.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

OPTIONAL EXTRAS

- Water cooling unit and water cooled MIG gun

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG500LPRO
MODEL	MIG500LPRO
POWER SUPPLY VOLTAGE	380/525V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	80% @ 500A
OPEN CIRCUIT VOLTAGE	65V
WELDING RANGE	40 TO 500A
WIRE DIAMETER	1.0 TO 1.6mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	822 x 390 x 632mm ▪ 67.3KG (PSU) 715 x 340 x 500mm ▪ 87.4KG (FEEDER)

TAURUS MIG/MMA500 DOUBLE PULSED WELDER WITH SEPARATE FEEDER - 380V



This Taurus MIG-500PLUS is high-performance, inverter pulse MIG machine is designed for Argon or CO2 and mixed-gas welding on aluminium, aluminium alloys, low-carbon steel, low-alloy steel, stainless steel and copper. Aluminium welding wire (4043/5356), carbon steel (ER50-6/ER70S-6) wire and stainless steel wire as well as other solid or flux-cored wires can be used.

The machine offers good dynamic performance and static characteristics. Like other machines in this series, it meets the GB15579.1-2013 safety requirements for arc welding equipment and the JB/T7824-1995 requirements for inverter arc-welding rectifiers. It also complies with the GB/T10249-1998 standards of electric welding machines.

SOME KEY FEATURES

- Multiple functions combined in one machine. Digital ARM+MCU control system ensuring precise digital output.
- Good reliability combined with rapid dynamic response ensured by the IGBT high-frequency, soft-switch inverter technology.
- The closed-loop control system guarantees a stable welding voltage in cases of grid-voltage and arc-length fluctuation. Self-adjustment of arc length and a stable welding process are remarkable characteristics.
- Negligible splatter and a high metal deposition rate.
- Good quality welding seam with very small deformation.
- High arc-ignition success rate with a strong pulse-start arc.
- Smooth wire feed assisted by a stable power supply.
- Up to 10 sets of stored welding programs allow saving in operating time.
- A special four-step function suits the welding of metals with good thermal conductivity while offering perfect welding quality.
- Various interfaces available for connecting welding robots and other welding machines.
- Safe and reliable protection circuit and easy system for fault finding.
- High efficiency and energy saving, high load duration and no-noise rectifier.
- Reasonable structure, simple layout and easy maintenance.

ACCESSORIES

- Earth clamp cable kit.
- MIG torch.
- Argon flowmeter

OPTIONAL EXTRAS

- Water cooling unit and water cooled MIG gun

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-MIG500PLUS
MODEL	MIG-500PLUS
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 500A
OPEN CIRCUIT VOLTAGE	65V
WELDING RANGE	30 TO 500A
WIRE DIAMETER	0.8 TO 1.6mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	1030 x 550 x 850mm ▪ 79KG (PSU) 750 x 360 x 550mm ▪ 24KG (FEEDER)

TAURUS CUT40PA PLASMA CUTTER



This Taurus CUT40PA is a 40A, 220v single phase air plasma cutting machine. It produces a stronger, more concentrated and stable electric arc. The temperature of the arc can reach a high ionization state, forming a powerful plasma arc which allows metal to be cut quickly by plasma arc. The heat affected zone is reduced as much as possible and the energy is used more effectively giving a super smooth cutting surface. It can be used for cutting various metal materials such as stainless steel, aluminium, copper, cast iron and carbon steel.

The Taurus CUT4PA features a fast cutting speed, narrow cutting seam, clean cut, small heat affected zone, low deformation, simple operation and outstanding energy saving effect. It's suitable for manufacturing, installation and maintenance of various machinery and metal structures, cutting thin plates, opening holes, patching, beveling, cutting pipes and other cutting processes. It is widely used in aerial work, outdoor work, indoor and outdoor decoration, shipyard steel plate, petrochemical equipment, construction site and other industries. The Taurus plasma cutting machines are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Small size, light weight, extended cutting time, easy to move and especially suited for applications requiring mobility and working at elevated areas.
- Integrated filtered pressure regulator and water trap.
- Reliable overheat, over-current and over-voltage protection.
- Easy arc striking and stable arc allow easy arc control.
- Accurate preset current ensures a clean cut, energy-saving performance on work-pieces of differing thickness.
- Narrow cutting seam, clean cutting edge and no deformation.
- The IP21S grade ensures reliability even under harsh environmental conditions.

ACCESSORIES

- Earth clamp cable kit.
- P60 plasma torch.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-CUT40PA
MODEL	CUT-40
POWER SUPPLY VOLTAGE	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 40A
OPEN CIRCUIT VOLTAGE	270V
OUTPUT CURRENT RANGE	15 TO 40A
MAX CUTTING THICKNESS (MILD STEEL)	12mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	422 x 156 x 275mm ▪ 8.13KG

TAURUS CUT40D PLASMA CUTTER WITH BUILT-IN COMPRESSOR



This Taurus CUT40D is a 40A, 220v single phase air plasma cutting machine with a built-in air compressor. It produces a stronger, more concentrated and stable electric arc. The temperature of the arc can reach a high ionization state, forming a powerful plasma arc which allows metal to be cut quickly by plasma arc. The heat affected zone is reduced as much as possible and the energy is used more effectively giving a super smooth cutting surface. It can be used for cutting various metal materials such as stainless steel, aluminium, copper, cast iron and carbon steel.

The Taurus CUT40D features a fast cutting speed, narrow cutting seam, clean cut, small heat affected zone, low deformation, simple operation and outstanding energy saving effect. It's suitable for manufacturing, installation and maintenance of various machinery and metal structures, cutting thin plates, opening holes, patching, beveling, cutting pipes and other cutting processes. It is widely used in aerial work, outdoor work, indoor and outdoor decoration, shipyard steel plate, petrochemical equipment, construction site and other industries. The Taurus plasma cutting machines are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Simple-design appearance, portable in size, high reliability and more durable.
- Built-in reliable high-power air compressor, no additional gas source is required, stable gas output after long-term use.
- A dual options of a built-in air compressor and an external air source which can be switched quickly, and may be more suitable for long-time working environment.
- Reliable cutting machine with overheat, over-current and over-voltage protection functions.
- The arc starting system adopts the principle of high frequency oscillation which is easy to start arc and with high success rate of arc starting.
- Gas detection can detect whether the gas volume is sufficient before cutting to ensure smooth cutting process.
- Accurate cutting current preset ensures good cutting effect and energy saving effect making it more convenient to operate and suitable for cutting work-pieces with different thicknesses.
- Due to the IP21S protection grade, this cutting machine works reliably even under harsh environmental conditions.

ACCESSORIES

- Earth clamp cable kit.
- P60 plasma torch.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-CUT40D
MODEL	CUT40D AIR
POWER SUPPLY VOLTAGE	220V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 40A
OPEN CIRCUIT VOLTAGE	65V
OUTPUT CURRENT RANGE	20 TO 40A
MAX CUTTING THICKNESS (MILD STEEL)	16mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	530 x 325 x 400mm ▪ 20.5KG

TAURUS CUT-120I PLASMA CUTTER



This Taurus CUT120i is a 120A, 380v three phase air plasma cutting machine. It produces a stronger, more concentrated and stable electric arc. The temperature of the arc can reach a high ionization state, forming a powerful plasma arc which allows metal to be cut quickly by plasma arc. The heat affected zone is reduced as much as possible and the energy is used more effectively giving a super smooth cutting surface. It can be used for cutting various metal materials such as stainless steel, aluminium, copper, cast iron and carbon steel.

The Taurus CUT120i features a fast cutting speed, narrow cutting seam, clean cut, small heat affected zone, low deformation, simple operation and outstanding energy saving effect. It's suitable for manufacturing, installation and maintenance of various machinery and metal structures, cutting thin plates, opening holes, patching, beveling, cutting pipes and other cutting processes. It is widely used in aerial work, outdoor work, indoor and outdoor decoration, shipyard steel plate, petrochemical equipment, construction site and other industries. The Taurus plasma cutting machines are manufactured in accordance with IEC60974-1, Safety Requirements for Arc Welding Equipment.

SOME KEY FEATURES

- Various protection such as moisture-proof, dust-proof, electromagnetic-interference-proof and, effective electronic protection.
- Arc ignition system adopt principle of high frequency oscillation with characteristic of pilot arc, easy starting arc and high success rate of arc ignition.
- Adjustable post gas flow time base on the actual need and adjust the dead time to save the energy.
- Adopts a non-contact high-frequency arc starting pilot arc function, excellent instant arc starting performance and a high arc starting success rate.
- Gas detection can detect whether the gas volume is sufficient before cutting to ensure smooth cutting process.
- Adjustable Pre-flow and post-flow cooling
- Accurate cutting current preset ensures good cutting effect and energy saving effect with more convenient to operate and suitable for cutting work-pieces with different thicknesses, narrow cutting seam, clean cutting edge and anti-deformation.
- This is a reliable cutting machine with overheat, over-current and over-voltage protection functions.
- Due to the IP21S protection grade, this cutting machine works reliably even Under harsh environmental conditions

ACCESSORIES

- Earth clamp cable kit.
- P80 plasma torch.

SPECIFICATION	DESCRIPTION
PRODUCT CODE	TA-CUT-120I
MODEL	CUT-120I
POWER SUPPLY VOLTAGE	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 120A
OPEN CIRCUIT VOLTAGE	300V
OUTPUT CURRENT RANGE	30 TO 120A
MAX CUTTING THICKNESS (MILD STEEL)	45mm
PACKAGE DIMENSIONS(MM) AND NET WEIGHT(KG)	710 x 385 x 630mm ▪ 41KG



The iWeld MMA-201 VRD is a 200A single phase, 220V stick electrode welding machine which is designed on and manufactured to the latest digital inverter technology. It is compact, light weight with a single PCB allowing for easy mobility. The MMA-201 inverter machine ensures a clean, high quality weld and excels in basic and rutile electrode welding. Professional and DIY users can experience the built-in characteristics of anti-stick, hot-start and arc force. The VRD is an added safety function keeping the output voltage low when the machine is not in use.

ACCESSORIES

- Earth clamp cable kit
- Electrode holder cable kit
- Plastic carry box
- Mini chipping hammer with wire brush

OPTIONAL EXTRAS

- TIG torch and argon flowmeter

SOME KEY FEATURES

- IGBT system
- MMA and lift TIG
- Easy arc ignition
- Soft stable arc
- Exotic material welding
- Energy saving characteristics
- Digital display
- Voltage reduction device (VRD)

SPECIFICATION	DESCRIPTION
PRODUCT CODE	IWVRD201
MODEL	MMA-201 VRD
RATED POWER SUPPLY INPUT	230V SINGLE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 200A
OPEN CIRCUIT VOLTAGE	WITHOUT VRD (55V) ▪ WITH VRD (≤ 15V)
WELDING CURRENT RANGE	20 - 200A
ELECTRODE SIZE	2.0 - 4.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	400 x 250 x 380mm ▪ 4.8kg

iWELD MMA-401 VRD - 380V



The iWELD MMA-401 is a 400A three phase, 380V high duty cycle stick electrode welding machine which is designed on and manufactured to the latest digital inverter technology. It is compact, light weight with a single PCB allowing for easy mobility. The MMA-401 inverter machine ensures a clean, high quality weld and excels in basic and rutile electrode welding. Professional and DIY users can experience the built-in characteristics of anti-stick, hot-start and arc force. The VRD is an added safety function keeping the output voltage low when the machine is not in use.

ACCESSORIES

- Earth clamp cable kit
- Electrode holder cable kit

OPTIONAL EXTRAS

- TIG torch and argon flowmeter

SOME KEY FEATURES

- IGBT system
- MMA and lift TIG
- Easy arc ignition
- Soft stable arc
- Exotic material welding
- Energy saving characteristics
- Digital display
- Voltage reduction device (VRD)

SPECIFICATION	DESCRIPTION
PRODUCT CODE	IWVRD401
MODEL	MMA-401 VRD
RATED POWER SUPPLY INPUT	380V THREE PHASE
DUTY CYCLE 40°C @ 10 MINUTES	80% @ 400A
OPEN CIRCUIT VOLTAGE	WITHOUT VRD (62V) ▪ WITH VRD ($\leq 15V$)
WELDING CURRENT RANGE	20 - 400A
ELECTRODE SIZE	2.0 - 6.0mm
DIMENSIONS(MM) AND NET WEIGHT(KG)	545 x 295 x 485mm ▪ 28KG

iWELD MIG 225PA SYNERGIC



The iWeld MIG-225PA SYNERGIC is a 225A single phase, 220V MIG multi-purpose welding machine which is designed on and manufactured to the latest digital inverter technology. It supports MIG, MAG, LIFT TIG and MMA welding processes. The machine is extremely portable and can accommodate a wire spool of up to 5 kg. It is ideal for on-site work due to its light mass and diverse applications. Its characteristics ideally suit professionals and DIY users.

ACCESSORIES

- MIG torch
- Argon flowmeter
- Earth clamp cable kit
- Electrode holder cable kit

SOME KEY FEATURES

- Synergic
- Advanced IGBT inverter technology
- Precise current wave control
- Stable welding current
- Portable and suitable for field operation
- Energy saving
- Easy to operate
- Designed for MIG/MAG and MMA

SPECIFICATION	DESCRIPTION
PRODUCT CODE	IW-MIG-225PA
MODEL	MIG-225PA
POWER SUPPLY VOLTAGE	220V
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 225A
OPEN CIRCUIT VOLTAGE	65V
WELDING RANGE	20 TO 225A
WIRE DIAMETER	0.6 TO 1.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	520 x 310 x 410mm ▪ 15kg

iWELD MIG 250H SYNERGIC



The iWeld MIG-250H SYNERGIC is a 250A single phase, 220V MIG multi-purpose welding machine which is designed on and manufactured to the latest digital inverter technology. It supports MIG, MAG, LIFT TIG and MMA welding processes. The machine is extremely portable and can accommodate a wire spool of up to 5 kg. It is ideal for on-site work due to its light mass and diverse applications. Its characteristics ideally suit professionals and DIY users.

ACCESSORIES

- MIG torch
- Argon flowmeter
- Earth clamp cable kit
- Electrode holder cable kit

SOME KEY FEATURES

- Synergic
- Advanced IGBT inverter technology
- Precise current wave control
- Stable welding current
- Portable and suitable for field operation
- Energy saving
- Easy to operate
- Designed for MIG/MAG and MMA

SPECIFICATION	DESCRIPTION
PRODUCT CODE	IW-MIG-250H
MODEL	MIG-250H
POWER SUPPLY VOLTAGE	220V
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 250A
OPEN CIRCUIT VOLTAGE	65V
WELDING RANGE	20 TO 250A
WIRE DIAMETER	0.6 TO 1.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	520 x 310 x 410mm ▪ 15kg



The iWeld MIG-250PD is a single phase, 220V DC MIG multi-purpose inverter welding machine which is designed on and manufactured to the latest digital inverter technology, improved productivity and weld quality, saving on consumables and energy, reduced spatter, heat and fumes are all attributed to the technology. The DC inverter supports MIG, MAG and MMA welding processes and can accommodate wire spools of up to 20kg. Its characteristics ideally suit the requirements of professionals and DIY users.

ACCESSORIES

- MIG torch
- Argon flowmeter
- Earth clamp cable kit
- Electrode holder cable kit
- Rolling trolley with cylinder rack

SOME KEY FEATURES

- Advanced IGBT inverter technology
- Precise current wave control
- Portable and suitable for field operation
- Energy saving
- Easy to operate

SPECIFICATION	DESCRIPTION
PRODUCT CODE	IW-MIG-250PD
MODEL	MIG-250PD
POWER SUPPLY VOLTAGE	220V
DUTY CYCLE 40°C @ 10 MINUTES	60% @ 250A
OPEN CIRCUIT VOLTAGE	65V
WELDING RANGE	20 TO 250A
WIRE DIAMETER	0.6 TO 1.0mm
DIMENSIONS(mm) AND NET WEIGHT(kg)	860 x 400 x 740mm ▪ 20kg

WELDING AND PLASMA CUTTING MACHINES



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