

A world map with a grey landmass and light blue oceans. Numerous yellow location pins with red dots are placed across the map, indicating a global presence. The pins are concentrated in North America, Europe, and Asia, with a few scattered in South America, Africa, and Australia.

NEW RANGE OF EQUIPMENT INTRODUCTION

More than 100 years experience in finding solutions for your business

*Tailored wear solutions,
globally*

WHY CASTOLIN?

- 120 years of experience in welding, Cutting, brazing, thermal spraying and polymer coating products.
- Robust and reliable design – withstands harsh environment
- Enhanced reliability due to only limited SMT for PCB's.
- No complicated settings to use these machines. Ease of use by welders.
- More Heat sink component inside the machines makes heat dissipation effect, which results long life service.

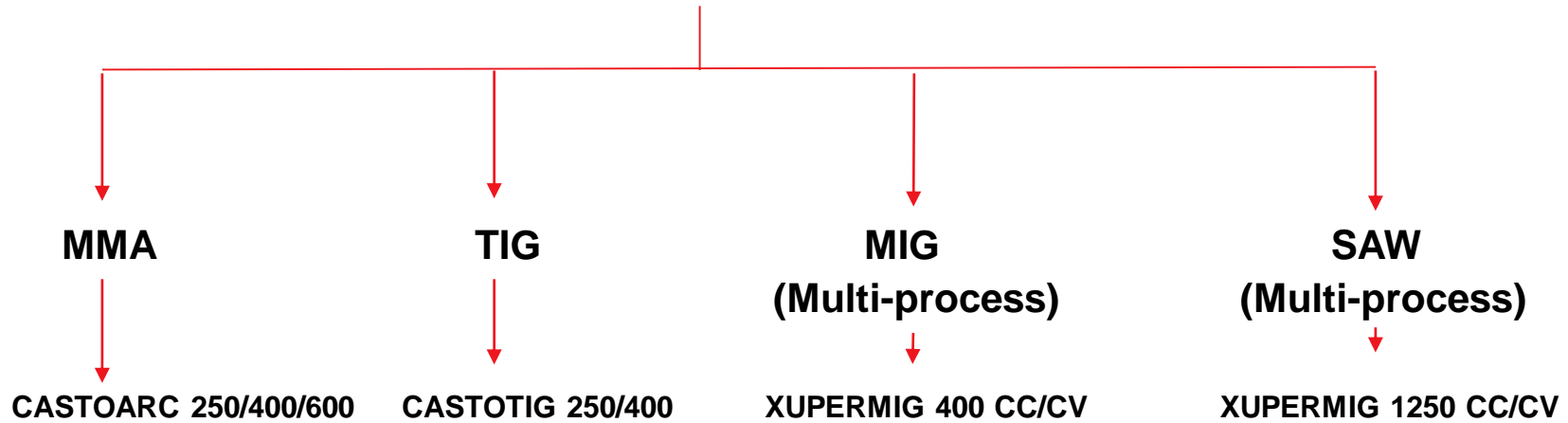
CONTENT:

- Process & Models
- Arc & Tig Welding Machine's & Functional Features
- Mig / Multi-process Welding Machine's & Features
- Sub-Arc / Gouging (Multi-process) Welding Machine's & Features

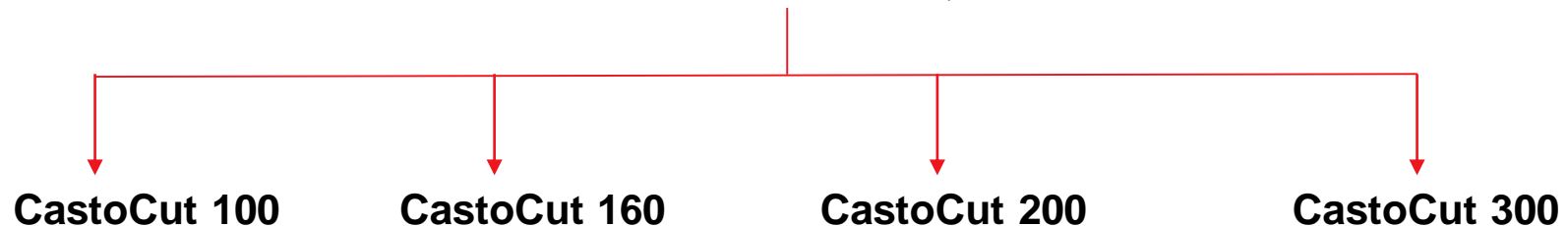
RANGE OF PRODUCTS



WELDING EQUIPMENT



CUTTING EQUIPMENT



- Heavy and Medium metal workshops
- Metallic Structures
- Construction industry / EPC contractors
- Ship building and offshore
- Automobile Industry
- Aerospace, Railway, Mining and Oil&Gas industry.
- Industrial customers for Repair and Maintenance.

NOTE: Spl. Equipment for Pipeline Application (CASTOARC 400 CEL)

CASTO ARC 250 & CASTO TIG 250



The CastoArc/Tig power source is a generation of welding rectifier. High performance electronics reliable and heavy duty power components and DIGITAL TECHNOLOGY have helped to create a truly unique rectifier which has superior performance and precision.

The Inverter based welding machine is a Single Phase IGBT Controlled welding machine suitable for Manual Metal Arc Welding and Inert Gas Tungsten Welding.

*Stronger, with
Castolin Eutectic*

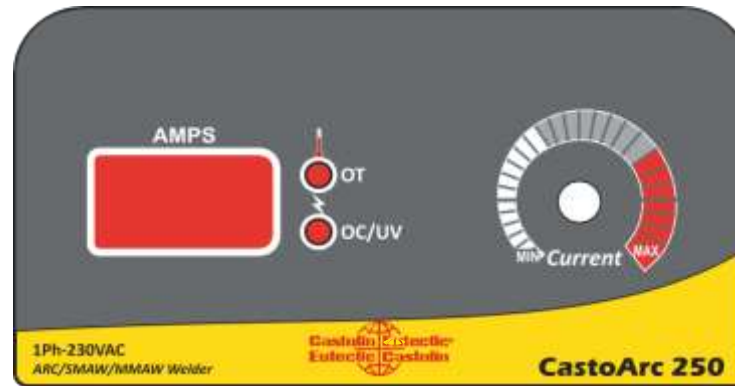
CASTO ARC & CASTO TIG SERIES SINGLE PHASE



	Casto Arc 250	CastoTig 250
Input Supply	220V, 1ph	220V, 1ph
Phase/Freq	50Hz-60Hz	50Hz-60Hz
Input KVA60%	8.82	5.88
Input KVA@100%	6.17	3.93
OUTPUT		
OCV-DC	75-85VDC	75-85VDC
Current Range Amps	10A-250A	10A-250A
Current @60%	250A	250A
Current @100%	190A	190A
Dynamic Arc Force	0-100%	0-100%
Class of Protection	Ip21	Ip21
OTHER		
Class of Insulation	H	H
Cooling	Forced Air	Forced Air
Dimensions		
W X L X H in mm	180X430X315	180X490X355
Weight in Kgs with Accessories	15	21
Weight in Kgs Power Source	13	14.5

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CASTO ARC 250 FEATURE'S



1 -- Parameter Control KNOB

2 - Protection Features - Over Current [OC] – IGBT Over Current Indication
Under Voltage[UV]
Over Temperature [OT] Internal Temp above 70Degree

3 – Digital Current Display

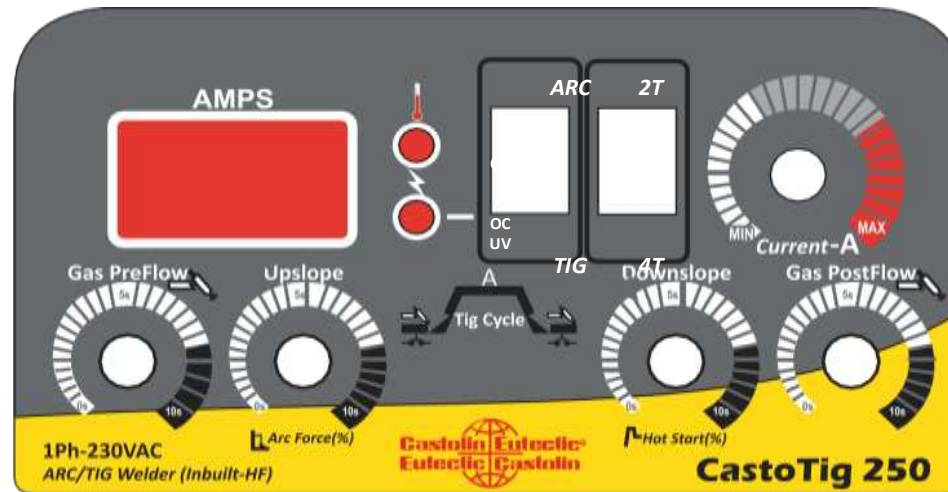
Excellent Arc characteristic over entire range.

**** Digital Ammeter.***

**** Forced Air cooling for longer unit life.***

**** Class H insulation.***

CASTO TIG 250 FEATURE'S



- 1 – Digital Current Display
- 2 - ARC/TIG Selector Switch
- 3 - Protection Features - Over Current [OC]
Over Temperature [OT]
- 4 - Mode Switch - 2T / 4T
- 5 –KNOBS for Current Control, Gas Pre-Flow/Post-Flow, Upslope(ArcForce)/Downslope(Hot Start)

Excellent Arc characteristic over entire range.

**Digital Ammeter.*

**Forced Air cooling for longer unit life.*

**Class H insulation.*

**Arc Force*

**Hot Start*

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CASTO ARC 400 & 600

THREE PHASE



The CastoArc power source is to serve the customer in the most cost-effective and portable manner while also serving every requirement of the customer.

The Inverter based welding machine is a Three Phase IGBT Controlled welding machine suitable for Manual Metal Arc Welding and Inert Gas Tungsten Welding(Stratch Tig)



Electrode Holder

Ground Clamp



On Load Power Consumption upto 50% lesser than conventional Non-Inverter type welding equipment.

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CASTO ARC 400 & 600

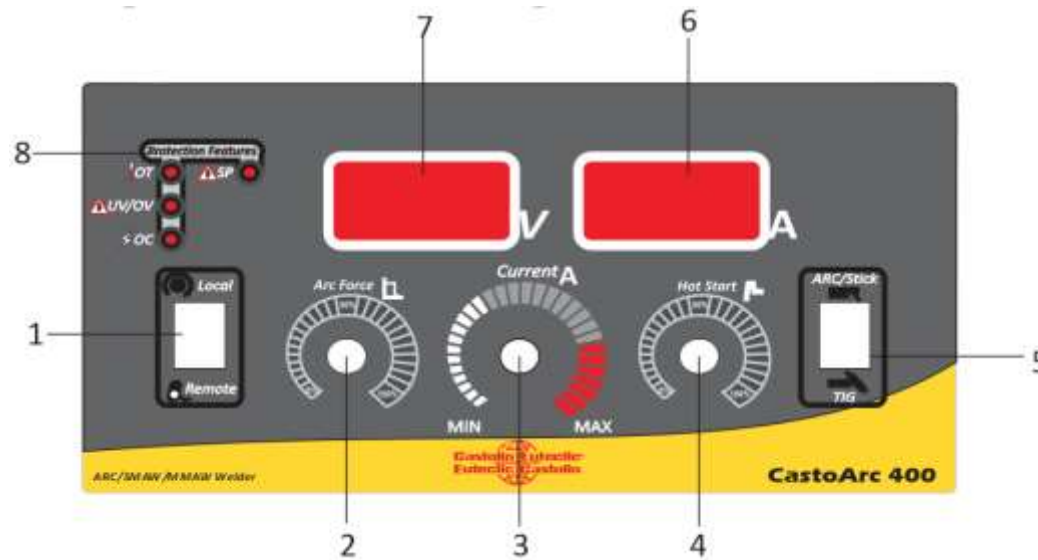
THREE PHASE



	CastoArc 400	CastoArc 600
Input Supply	352VAC- 478VAC	330-500VAC
Phase/Freq	3/50Hz-60Hz	3/50Hz-60Hz
OUTPUT		
OCV-DC	75-85VDC	85VDC
Current Range Amps	10A-400A	10A-600A
Current @60%	400A	600A
Current @100%	310A	465A
Class of Protection	Ip21	Ip23
OTHER		
Class of Insulation	H	
Cooling	Forced Air	Forced Air
Dimensions		
W X L X H in mm	270X534X381	420x680x540
Weight in Kgs	33	61

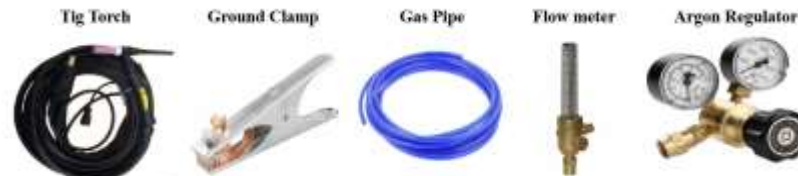
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CASTO ARC 400 FEATURE'S



S.No	FUNCTION Switch/Knob	DESCRIPTION
1 & 5	Switches Local/Remote Switch Arc/Tig Switch	To control the base current from the panel put the switch in LOCAL /RemoteMode For Electrode welding, put this switch in ARC & Scratch Tig, put in TiG Mode
2	Arc Force	To improve ignition and better fusion of the base metal in startup phase, a special ARC FORCE Control function can be selected ensuring perfect welding result
3	Base Current	Used for continuous adjustment of desired welding current, from 10A-400A.
4	Hot Start	If there is problem with the rod electrodes tending to “stick”, set the HOT START parameter
6 & 7	Current & Voltage Display	To Set the pre-set value for welding from 10 – 400A

CASTO ARC 400 FEATURE'S



PROTECTIONAL FEATURE'S	DESCRIPTION
OC INDICATION	OC (OVER CURRENT) Fault LED lights up when unsafe or excessive current is drawn through the IGBT
OT Indication	OT (OVER TEMPERATURE) Fault LED lights up when temperature inside the equipment increase above safety level(Temperature inside machine>70 degree Celsius)
UV Indication	UV (UNDER VOLTAGE) Fault LED lights up when input mains voltage falls below the safety limit(supply voltage<330VAC).
SP Indication	SP (SINGLE PHASING) Fault LED lights up when one or two phases of mains are absen

CASTO TIG 400



The CastoTig 400 with WCU is known for being economical yet serving a variety of Tig welding applications.

- * Fan on Demand – Reduces idle time power consumption
- * Excellent Arc characteristics
- * **Protections:** UV(Under Voltage), OV(Over Voltage), SP(Phase Loss), OT(Over temperature), OC(Over Current).
- * Digital Ammeter & Voltmeter
- * Forced Air Cooling for longer life.
- * Class H insulation
- * Tig cycle parameter variation
- * Arc Force



CASTO TIG 400

THREE PHASE



POWER SOURCE	CastoArc 400
Input Supply	330-500 V AC
Phase/Freq	3/50Hz-60Hz
OUTPUT	
Current Range Amps	10A-400A
Current @60%	400A
Current @100%	310A
Class of Protection	Ip21
OTHER	
Class of Insulation	H
Cooling	Forced Air
Dimensions	
W X L X H in mm	345x650x545
Weight in Kgs	46

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WCU FOR CASTOTIG 400



WATER COOLING UNIT	Technical Details
Input Supply	230V-AC, 1 Phase
Phase/Freq	3/50Hz-60Hz
OTHER	
Tank Capacity	50 Ltrs
Heat Exchange	Radiator with copper tubing
Radiator Size (HxLxRows)	8" x 10" x 3"
Cooling	Forced Air
Dimensions	
W X L X H in mm	400x1070x1130
Weight in Kgs	49

Xuper Mig 400 & 600

CC/CV



The Inverter based welding machine is a Three Phase IGBT Controlled welding machine suitable for GMAW/MMAW & GTAW(Stratch Tig)



Inverter for standard MIG/MAG welding with separated or integrated wire feeder.



All models with 2 displays for welding current and welding voltage simultaneous reading.



For a wide range of applications, including medium and heavy metal construction, repair shops and naval shipyards.

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XuperMig 400 & 600 CC/CV



WELDING POWER SOURCE Specification	TECHNICAL DETAILS XUPERMIG 400 CC/CV	TECHNICAL DETAILS XUPERMIG 600 CC/CV
Input Supply	353-478VAC, 3-Phase 50/60Hz	350-478VAC, 3-Phase 50/60Hz
Input KVA@ 60% Duty Cycle	16.8KVA	32.7KVA
Input KVA@ 100% Duty Cycle	11.3KVA	21.4KVA
Set Volt Range MIG/OCV MMAW Mode	12-52VDC/75VDC	12-52VDC/75VDC
Current @ 60% Duty Cycle	400A	600A
Current @ 100% Duty Cycle	310A	465A
Class of Protection	IP23	IP23
Display of Voltage and Current	DIGITAL	DIGITAL
Insulation Class	H	H
Cooling	Forced Air	Forced Air
Dimension (W X L X H)	442X569X300	340X660X760
Weight (Approx) in Kgs	45	69

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XuperMig 400 & 600 CC/CV



WIRE FEEDER Specification	TECHNICAL DETAILS XUPERMIG 400 CC/CV	TECHNICAL DETAILS XUPERMIG 600 CC/CV
Wire Diameter (mm)	0.8 – 1.6	0.8 – 1.6
Wire Drive Motor (Type)	PMDC SSJ11	PMDC SSJ11
Drive System (Type)	2 /4 Roll	4 Roll
Wire Speed Control (Type)	Linear Supply	Linear Supply
Wire feed Speed (meter / minute)	0.8-22	2.2-22
Dimension (W X L X H) in mm	215 X 550 X 290	215 X 550 X 290
Weight (Approx) in Kg	10	10

Mig Torch



Flowmeter



Pre-Heater



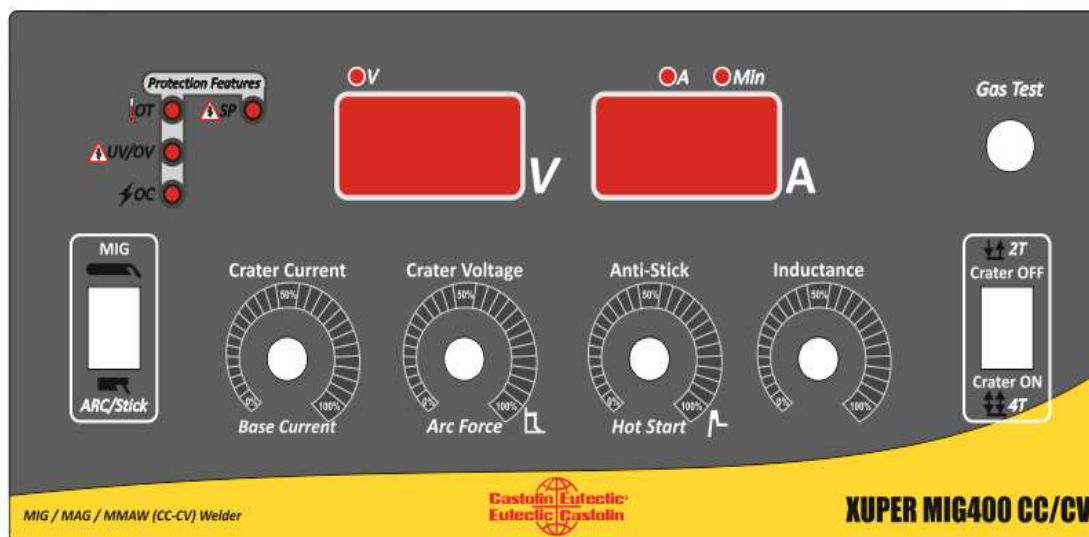
Earthing Clamp



CO₂ Regulator



XUPERMIG 400/600 FEATURE'S



FUNCTIONAL FEATURE'S	DESCRIPTION
CRATER CURRENT	With this knob, the crater current(feeding speed) at the end of welding can be adjusted continuously.
CRATER VOLTAGE	With this knob, the crater voltage at the end of welding can be adjusted continuously.
ANTISTICK	With this knob, the time required to stop power source after torch switch released can be adjusted. If welding wire sticks at contact tip at the end of welding, increase the antistick period.

XUPERMIG 400 & 600 FEATURE'S



PROTECTIONAL FEATURE'S	DESCRIPTION
GAS TEST	Use this rocker switch to set Gas flow.
MODE/CRATER OFF	When Torch switch is pressed welding starts (Power Source, wire feeder and solenoid valve gets on). To stop welding, release the torch switch button. Crater function is OFF in 2T mode.
MODE/CRATER ON	Crater function is enabled in 4T Mode Trigger (Press and release) the torch switch to start welding. At the end of welding, press torch switch button again. During this press condition period crater volt and crater current is active. Release torch switch button to stop the welding.

WIRE FEEDER FUNCTIONS:

1)WIRE SPEED:

Operator can adjust Motor speed using this knob and so can set Welding current.

2)INCH:

For quick welding wire feeding, inch function is provided. Inch speed can be adjusted by speed knob.

3)VOLT:

Operator can adjust welding voltage using this knob.

Xuper Mig 1250 CC / CV



SAW / MIG / HARDFACING / CAG / MMAW



The most advanced and latest “DIGITAL” technology enables it to perform Submerged ARC Welding, MIG Welding, Hard-facing, MMA Welding and Gouging process, making it a universal machine.

- * 10 functional job memories to store parameters.
- * Password lock of front panel.
- 2T – 4T functionality for manual welding
- Local / Remote, to operate from panel/Feeder/carriage.
- Gast Test, helps to get gas flow before welding.
- Inbuilt Weld-o-meter to evaluate welding/arcing time.
- Inbuilt Protection
- OC, OT, OV, UV & SP

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XUPERMIG 1250 TECHNICAL SPECIFICATION



POWERSOURCE Specification	Technical Detail
Input Supply	350-478VAC, 3-Phase 50/60Hz
Input KVA@60% Duty Cycle	68KVA
Input KVA@100% Duty Cycle	52KVA
Switching Device	IGBT
Current Range	25A-1250A
Current @ 60% Duty Cycle	1250Amps
Current @ 100% Duty Cycle	930Amps
Max OCV	95-105V
Class of Protection	IP21
Dimension (W X L X H)	460X1100X1170
Weight in Kgs	170



WIREFEEDER Specification	Technical Detail
Wire Diameter (mm)	0.8 – 1.6
Wire Drive Motor (Type)	PMDC SSJ11
Drive System (Type)	4 Roll
Wire Speed Control (Type)	Linear Supply
Wire feed Speed (meter/minute)	2.2-22
Dimension (W X L X H) in mm	215 X 550 X 290
Weight (Approx) in Kg	10

XUPERMIG 1250 FEATURE'S



SUB ARC WELDING Technical Details

Input Voltage of traveling mechanism	DC 42V
Input Current of traveling mechanism	0.4A
Type of wire feeding	Continuous wire feeding
Welding speed	0.20-1.50m/min
Wire feeding speed	0.30-3.00m/min
Rated power source	1250A
Flux container volume	2.0/3.0/4.0/5.0
Dimension (WXLXH)	1080X480X740
Weight in KG	60 KG

XUPERMIG 1250

FEATURE'S



CARBON ARC GOUGING & MMAW

Input Supply	350V-478V, 3 phase, 50-60Hz
Input KVA at 60%	68KVA
Input KVA at 100%	52KVA
OCT	95-105
Current Range(Amps)	25-1250A
Current @60% Duty Cycle	1250A
Current @100% Duty Cycle	930A
Class of Protection	IP21
Class of Insulation	H
Cooling	Forced Air
W X L X H in mm	460X1100X1170
Weight in Kgs	170

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CASTO CUT SERIES



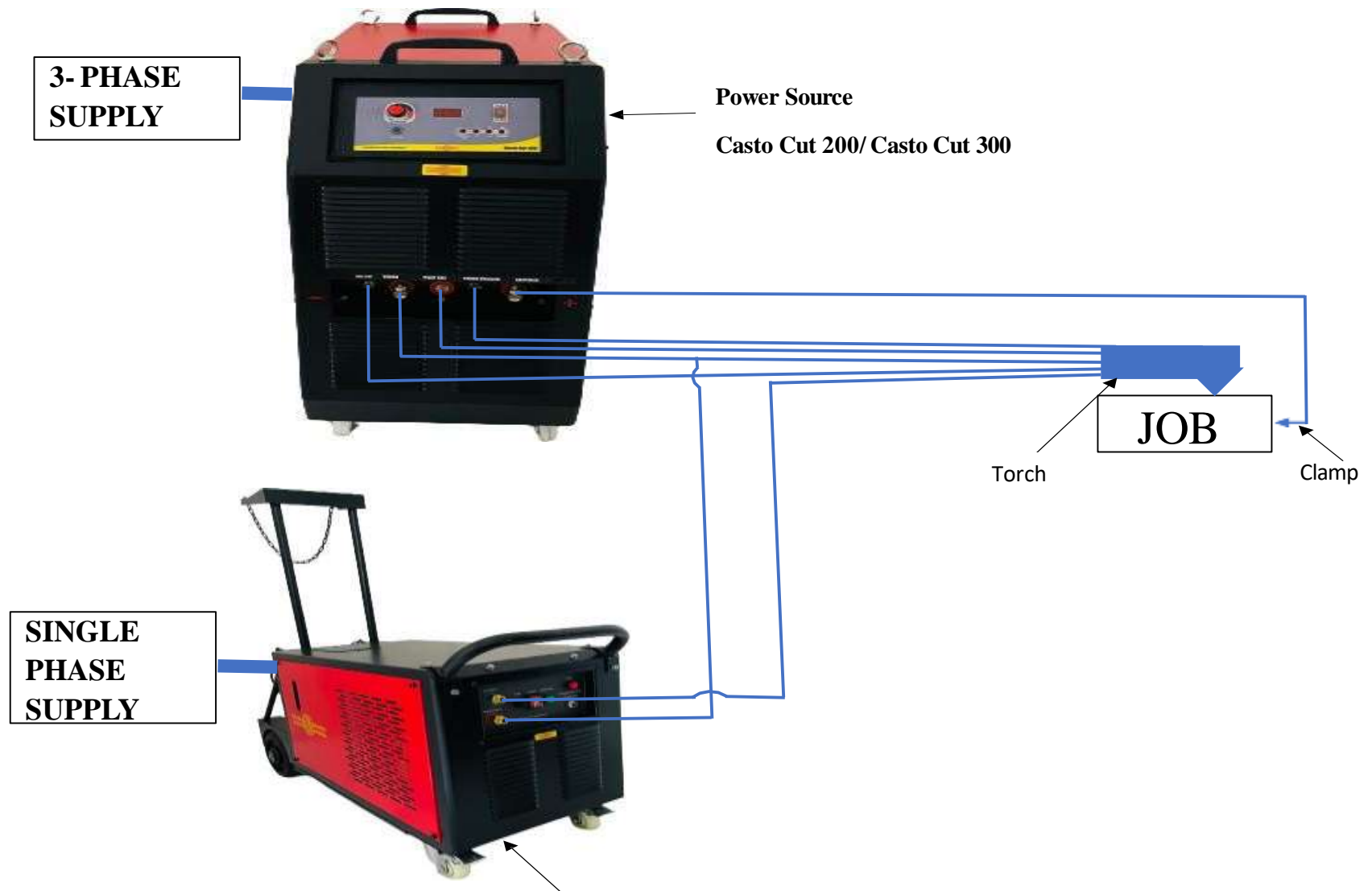
CASTO CUT 100/160

The Casto Cut Plasma Cutting machines are robust and high duty cycle plasma cutting machines with very good duty cycle and excellent cut quality.

- * 2T – 4T functionality for manual cutting
- Less / No gas light up when the air pressure in the air filter is below the low required level.
- Gas Test, helps to check and set required gas flow through the air filter.
- Protection Features:
 - Over temperature Indication
 - Over Voltage Indication
 - Under Voltage Indication
 - Single Phasing Indication

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CASTO CUT 200/300 WITH WATER COOLING UNIT



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CASTO CUT SERIES



CASTO CUT SERIES	Casto Cut 100	Casto Cut 160	Casto Cut 200	Casto Cut 300
Input Supply	353VAC- 478VAC			
OUTPUT				
OCV-DC	310V	380V	420V	420V
Rated Output Volt	120	144	160	192
Current @60%	100A	160A	200A	300A
Current @100%	77A	124A	155A	231A
Class of Protection	Ip23	Ip21	Ip21	Ip21
OTHER				
Cut. thickness fine	19mm	28mm	38mm	60mm
Cut. thickness course	25mm	40mm	60mm	80mm
Dimensions				
W X L X H in mm	650x345x760	600x370x660	460x1100x1170	460x1100x1170
Weight in Kgs	40	67	150	150

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TEROMATEC 500



TeroMatec 500

The TeroMatec wire feeder can be used for both joining and coating applications, either for the protective coating of new parts or the build-up and repair of worn parts.



- * Engineered for semi-automatic welding with highest deposition rates
- * No shielding gases required with TeroMatec cored wires
- * Robust construction
- * Portable for on-site applications
- * Easy-to-use by semi-skilled operators

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TEROMATEC 500

TECHNICAL SPECIFICATION



Technical Specifications

Input Voltage range	25-80V (AC/DC)
Wire Diameter (mm)	1.6-2.8
Welding Current range	100-500A
Duty Cycle	400A @ 100%
Spool Feed Motor power	100W
Wire feed Speed (meter/minute)	0.18m/min
Dimension (L X W X H) in cm	75 x 67 x 44 cm
Weight (Approx) in Kg	27 kg

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