

ELECTRA KOKO TAWA WELD PVT. LTD.

India's Leading Company
manufacturing more
than 386 Models



NOIDA-INDIA

www.electrawelding.com



Manufacturing Unit - I

ELECTRA KOKO TAWA

NOIDA-INDIA | www.electrawelding.com



3 Manufacturing Units,
6 Showrooms & 148 Dealers Across India



MIG/ARC



TIG/ARC



ARC



SEAM PROJECTION



**SAW/SUBMERGED
ARC WELDER**

OUR VALUABLE CUSTOMERS...





ELECTRA KOKO TAWA

ABOUT US

With a vision to deliver the best quality & innovative welding equipments, brand Electra was founded by Mr. Kamal Kumar.

Electra's emphasis on continuous product improvement has established the brand across the globe, making it India's one of the largest welding machine suppliers.

Through technology at par and meeting global standards, Electra has successfully captured international markets with exports to various nations in Asia & Europe.



Our products meet all ISI & ISO standards & are specially designed for typical Indian tropical climate parameters, ensuring better performance even in enduring heat, rugged & dusty Indian terrain.

With a complete stock of spares for all model, we ensure prompt service for minimal downtime and no loss to customer. With continuous patronage from our esteemed clients like DMRC, Indian Railways, Defense, Bajaj Hindustan; we feel privileged and humbled. And this helps us in delivering to all our medium & small scale yet valuable customers through premium quality in competitive pricings.

Vision:

It is Electra Koko Tawa's Vision to:

- Exceed customer expectations
- Be globally admired for quality products

Mission:

Our mission is to deliver finest quality products through Kaizen, which is through constant improvement & quality enhancement.

Electra introducing new latest technology IGBT INVERTER based welding machine & equipment, which are lightweight (minimum 2 kg. to maximum as per customer's requirement), compact & is a complete economical solution to your welding requirements. Maintenance and storage expense is near about Zero.

The materials procured from outside are tested by our in-house experts in keeping with the instituted quality norms. The acceptance or rejection of the materials hinges on the fulfilment of our quality criteria. To ensure the quality of our products until their dispatch to its destinations, we follow a recognized quality strategy in our company.


Some of the pivotal factors of this strategy are as follows:

- » Understanding customer's requirements
- * Providing optimal products
- * Ensure quality at every stage
- * Ensuring timely delivery of products
- * Employing qualified personnel to conduct various quality inspections

We Build Trust in Our Customers with Reliable, Durable & Guaranteed High Quality Products

Low Cost Welding Machines are proven expensive later-on.

TABLE OF CONTENTS

	ARC/MMA	
	Inverter	6,7,8,9
	Diode	17,18,19
	Dual Holder	20
	Rectifier	21
	TIG	10-11 & 21
	TIG-ACDC	16
	MIG	
	Inverter	12-14
	Diode	22
Plasma Cutter	14	
Resistance Welder	23	
Lithium Battery Welder	24	
SAW	15	

Specifications

Model	LOTUS - 250	TANDY - 280	GAMO SYNTANNA
Input supply voltage	1 PHASE AC220+15%	1 PHASE AC220+15%	1 PHASE AC220+15%
Frequency	50/60Hz	50/60Hz	50/60Hz
No-load voltage	MMA 64V	64V	64V
	TIG 59V	—	59V
Rated output	MMA 250A/30V	280A/30V	300A/32V
	TIG 250A/20V	—	300A/22V
Output current	MMA 10-250A	10-280A	300A
Adjustable	TIG 10-250A	—	300A
Rated load	MMA 60%@40C	60%@40C	60%@40C
duration factor			
	TIG 60%@40C	60%@40C	60%@40C
Max rated input current	43.9A	45A	43.9A
Max effective input current	26A	30A	26A
Max rated input capacity	8.7KVA	9KVA	8.7KVA
Enclosure protection class	Ip23	Ip23	Ip23
Weight	5.0Kg	6.1Kg	7.5Kg
Overall dimensions (LxWxH)	130x340x220	368x152x228	420x178x292



ARC-250 LOTUS



TANDY



GAMO SYNTANNA

Products	Output			Input		Features				
	CC/CV	AC/DC	Current Range (A)	Voltage (V)	Frequency (Hz)	Digital Control	ARC force	HOT start	Generator application	Digital display
ARC-250 Lotus	CC	DC	10-250	220	50/60	•	•	•	•	•
ARC-250 Tandy	CC	DC	10-280	220	50/60	•	•	•	•	•
ARC-300 Gamo Syntanna	CC	DC	40-300	220	50/60	•	•	•	•	•
ARC-310 Pilot	CC	DC	20-310	220	50/60	•	•	•	•	•
Gamo Syntanna 315D	CC	DC	30-315	200	50/60	•	•	•	•	•

○ Excellence • Option • Standard



PILOT-310



**GAMO SYNTANNA
315D**

Specifications

Model	PILOT-310	GAMO 315D
Input supply voltage	1 PHASE AC220+15%	1 PHASE 220V/2PH-415V
Frequency	50/60Hz	50/60Hz
No-load voltage	MMA 64V	64V
Rated output	MMA 310A/32V	315A/35V
Output current Adjustable range	MMA 10-310A	10-315A
Rated load duration factor	MMA 60%@40C	60%@40C
Max rated input current	43.9A	45A
Max effective input current	26A	30A
Max rated input capacity	9.5KVA	9KVA
Enclosure protection class	Ip23	Ip23
Weight	5.0Kg	9Kg
Overall dimensions (LxWxH)	380x158x285	394x280x152

Specifications

MODEL- COMMANDER		Commander 300		Commander 400		Concorde 630	
Input supply voltage	V			89			
Working voltage	V	21.6-32		21.6-36		22.4-44	
Rated welding current	A	300		400		630	
Current range	A	40-300		60-400		60-630	
Rated duty cycle		100%	60%	100%	60%	100%	60%
		207A	300A	310A	400A	488A	630A
Phases	Ph			3			
Frequency	Hz			50/60			
Supply voltage	V			415			
Rated input current	A	18		24		33	
Max effective input current	A	13		19		26	
Rated input capacity	KV	12.5		17		24	
Efficiency η	A			$\geq 85\%$			
COS ϕ				0.99			
Insulation class				H			
Degrees of protection provided by enclosure				IP23			
Weight	kg	16		24		43	
Dimensions (LxWxH)	mm	482x252x460				502x252x490	

Note: In built VRD, No-Load Voltage=89V automatically reduces to less than 36V when ARC strikes. This is due to Computer Programmed Hot Start Feature.



COMMANDER-300



COMMANDER-400



CONCORDE 630

Products	Output			Input		Features				
	CC/CV	AC/DC	Current Range (A)	Voltage (V)	Frequency (Hz)	Digital Control	ARC force	HOT start	Generator application	Digital display
300-COMMANDER	CC	DC	30-300	415	50/60	•	•	•	•	•
SKILL-400	CC	DC	30-400	415	50/60	•	•	•	•	•
400-COMMANDER	CC	DC	60-400	415	50/60	•	•	•	•	•
500-CONCORDE	CC	DC	60-500	415	50/60	•	•	•	•	•
SKILL SE-400	CC	DC	20-400	415	50/60	•	•	•	•	•

○ Excellence ● Option ● Standard



CONCORDE-500



SKILL SE-400



SKILL-400

Specifications

MODEL		CONCORDE-500		SKILL SE-400		SKILL-400	
No-load voltage	V	89		86		36	
Working voltage	V	21.6-36		86		22.4-44	
Rated welding current	A	500		400		400	
Current range	A	500		20-400		20-400	
Rated duty cycle		100%	60%	100%	60%	100%	60%
		500A	360A	280A	400A	300A	400A
Phases	Ph	3					
Frequency	Hz	50/60					
Supply voltage	V	415					
Rated input current	A	28		24		25	
Max effective input current	A	13		19		26	
Rated input capacity	KV	12.5		17		24	
Efficiency η	A	$\geq 85\%$					
$\text{COS}\phi$		0.99					
Insulation class		H					
Degrees of protection provided by enclosure		IP23					
Weight	kg	24		24		20	
Voltage Reduction Device	VRD	Inbuilt				VRD Switch	

Spl. for Easy Welding of E6010,7010 6011,7018 and other Cellulose Alu./Copper/Alloy Electrodes



CITO-250



CITO-300

Specifications

PARAMETER	UNIT	TIG 250	TIG 300
Input Voltage	V	AC 220V±15	
Frequency	Hz	50/60	
Input Current	A	15	24
Output Current Range	A	10-250	10-300
Rated Output Voltage	V	18V	20V
Duty Cycle	%	60	
Efficiency	%	85	
Power factor		0.93	
Insulation class		H	H
Protection class		Ip23	
Weight (Approx.)	Kg	8Kg	9Kg

Product Introduction

With multi-ARGON welding, MMA welding;

IGBT inverter technology, Peak Current Control, Reliable Weld Quality & Stable Welding Performance with constant output voltage.

Over current & Over-Heat Protection ensure machine remains Safely Durable & Reliable

Accessories

Gas Regulator	Flow Meter	A/C Welding Torch (4m)
Hose Pipe	Earthing Cable with Clamp (2.5m)	Welding Helmet with German Black Glass
Welding cable with electrode holder (2.5m)		



ZYROD-300/350



ZYROD-400/500

Specifications

Parameters	Unit	TIG-300		TIG-400	
No-load voltage (mean)	V			66	
No-load voltage (peak)	V			69	
MMA operating voltage	V			21.1-32.8	
TIG operating voltage	V			10.6-22.68	
Rated welding current	A	300		400	
Current range	A	MMA: 28-300 TIG-16-300		MMA:28-400 TIG: 16-400	
Rated duty cycle	MMA	100%	35%	100%	35%
		220A	300A	320A	400A
		TIG	100%	/	100%
		265A	/	320A	/
Number of Phases	Phase	3			
Frequency	Hz	50/60			
Power voltage	V	415			
Rated input current	A	MMA: 18 TIG: 13		MMA: 19 TIG: 14	
Maximum effective input current	A	MMA: 11 TIG: 8		MMA: 10 TIG: 7	
Rated input capacity	KVA	MMA: 7.1 TIG: 5.3			
Static characteristic		Falling			
Efficiency η		$\geq 85\%$			
COS ϕ		0.99			
Insulation class		H			
Protection Grade		IP21S			
Weight	Kg	17			
Dimensions (L×W×H)	mm	470×220×370		502×252×490	

Accessories

Gas Regulator	Flow Meter	A/C Welding Torch (4m)
Hose Pipe	Earthing Cable with Clamp (2.5m)	Welding Helmet with German Black Glass
Welding cable with electrode holder (2.5m)		



SPEED-300U



SPEED-300K

Specifications

PARAMETERS	SPEED-300U	SPEED-300K
Rated input voltage	A~AC220V	3~AC415V
Rated input capacity	7.7KVA	16.8KVA
No-load voltage (average value)	61V	68V
No-load voltage (peak value)	60V	69V
Resistive Load output current	40~300A	40~300A
Resistive load output voltage	DC15~26.5V	DC14~35V
Rated duty cycle (10 minutes)	Φ0.8~Φ1.0	Φ0.8~Φ1.0
Wire diameter	0.8~1.0	0.8≥1.0
Power factor CosΦ	≥0.95	≥0.95
Efficiency η	>80%	80%
Dimensions (LxWxH) mm	580x280x505	580x300x580
Degrees of protection provided by enclosure	IP21S	IP21S
Weight	20	25

Products	Output			Input		Features				
	CC/CV	AC/DC	current range (A)	Voltage (V)	Frequency (Hz)	Digital Control	ARC force	HOT start	Generator application	Digital display
MIG-250	CC	DC	25-280	415	50/60	•	•	•	•	•
MIG-400	CC	DC	50-400	415	50/60	•	•	•	•	•
MIG-500	CC	DC	60-500	415	50/60	•	•	•	•	•
MIG-600	CC	DC	60-600	415	50/60	•	•	•	•	•
MIG-300U	CC	DC	40-300	220	50/60	•	•	•	•	•
MIG-300K	CC	DC	50-350	415V	50/60	•	•	•	•	•

○ Excellence ● Option ● Standard



SPEED-250/300



SPEED-400/500/600

Specifications

PARAMETERS	SPEED-250	SPEED-400/500	SPEED-600
Rated input voltage	3~AC415V/50Hz	3~AC415V/50Hz	3~AC415V/50Hz
Rated input capacity	8.1KVA	16.8KVA	25KVA
No-load voltage	Dc55	Dc70	Dc70
Resistive Load output current	35~280A	50~400A	60~500A
Resistive load output voltage	DC15~28V	DC15~38V	DC15~43V
Rated duty cycle (10 minutes)	60%	60%	60%
Wire diameter	0.8~1.0	0.8~1.2	0.8~1.2
Power factor Co ϕ	>0.9	>0.9	>0.9
Efficiency η	89%	89%	89%
Dimensions (LxWxH) mm	468x223x353	634x295x521	634x295x521
Weight	23	32Kg	38Kg

Accessories

5m six core control cable	Wire feeder	Welding torch	Helmet
Gas Regulator	Gas Heater	Flow Meter	Hose pipe
Hose Clamp	Earthing Cable	Holder Cable	



KPT-16



KPT-10

Specifications

PARAMETERS	Unit	CUT-80	CUT-100	CUT-160
Power parameter	Phase	3		
		50/60Hz		
		415V (+/- 15%)		
Rated input capacity	KVA	12	15	20-30
Rated input current	A	19	22	
Sectional surface of power input cable		≥ 3 MM ²		
Gas source		Compressed air (Dry with no moisture and oil in it)		
Volume of air compressor		≥ 50L/min (0.6Mpa)		
Air pressure		0.4Mpa - 0.55Mpa		
No - load voltage	V	270		
Rated output current	A	80	100	160
Rated working range	V	120		
Current adjust range	A	10-80	20-100	20-160
Arc striking mode		Non - contact mode		
Effective Cutting Thickness		8mm	25mm	35mm
Max. cutting deepness (plain carbon steel)		12mm	35mm	45mm
Duty cycle			60%	
			≥ 0.8	
			≥ 85%	
Insulation degree		H		
Protection degree of enclosure		IP21S		
Weight	Kg	20	30	48



SUBMERGED ARC WELDING /SAW

RAIL

Specifications

PARAMETERS	Unit	SAW
Input Voltage	V	AC 415 +/- 15%
Frequency	Hz	50/60
Rated Input Current	A	90
Power	KVA	64.5
No-load Voltage	V	80
Output Current Range	A	112-1250
Rated Output Voltage	V	44
Duty Cycle	%	60
No-load Loss	W/td	300
Efficiency	%	85
Power Factor		0.93
Insulation Grade		F
Housing Protection Grade		IP 21
Arc Force Current Range	A	0-100
Net Weight	Kg	98

AC/DC TIG FOR ALUMINUM WELDING

Technical Characteristics

- AC/DC, TIG function 2T/4T, MMA available.
- Digital meter display
- Smooth arc and stable welding Performance ideal for welding carbon steel, stainless steel, copper and non-ferrous metal with DC TIG function and aluminum alloy welding in AC function
- Automatic over-voltage and over-current, protection quick connect torch and gas fittings.
- *High strength case construction for industrial applications.



METAL PLUS

Specifications

PARAMETER MODEL	Unit	AC/DC TIG 300	AC/DC TIG 400
Power Voltage	V	AC 220 + 10% 50/60 Hz	AC 380 + 10% 50/60 Hz
Rate Input Current	A	17.8	13.3
Power Capacitance	KVA	3.9	8.7
Rated Output Current (DC)	A	300	400
Rated Output Current (AC)	A	244	350
Range of Output Current	A	200	400
Working Voltage	V	17.4	22.2
Pre-flow (S)			0-1
AC Output Frequency			60
Efficiency	%		85
Rated duty cycle	%		60
Power factor			0.93
Insulation class			F
Protection class			IP21S
Weight (Approx.)	Kg	20	37
Max. Welding Thickness	mm	5mm	12mm

Technical Specifications

MODEL	KIRBY		
AMP	350Amps	450Amps	600 Amps
Supply Voltage	220-440 VAC		
Phase	1/2	1/2	1/2
Frequency	50 Hz		
Cooling (Air Cool / Fan Cool)	Fan Cool	Fan Cool	Fan Cool
Current Control	Stepless		
Insulation Class	'F'		
Open Circuit Voltage	65 VAC	80 VAC	80 VAC
Range of Current	40-350 A	60-450A	60-600A
Max. Elect. Size	3.15 mm	3.15,4MM	3.15,4,5
Dimensions(inch)	29 x 16 x 28	31 x 16 x 29	31 x 16 x 31
Weight (Approx.)	100Kg	120Kg	140Kg



KIRBY



Metro (Heavy Duty)

3 Phase - AC Welding Transformer

Specifications

PARAMETER MODEL	Unit	METRO		
AMP	A	350	450	600
Supply Voltage	VAC	380-440	380-440	380-440
Phase		3	3	3
Frequency	Hz	50	50	50
Current Range	Amps	50-350	60-450	60-600
Open Circuit Voltage	VAC	70	80	80
Insulation Class		F	F	F
Type Of Regulation		Stepless	Stepless	Stepless
Max. Welding Current	Amps	350	450	600
Max. Electrode Size	mm	3.15	4.0	5.0
Dimension (Inches, Approx)		16.5 x 24 x 26	16.5 x 24 x 28	16.5 x 24 x 30
Weight	Kg	120	160	180

WELDING WITHOUT ELECTRODE MIG/MAG WELDING (SEMI AUTOMATIC PROCESS) Specially For M.S, S.S. & Aluminum Continuous Welding

Salient Features:

- Rugged design, reliable performance and superior arc characteristics
- Recommended for All position MIG / MAG welding applications
- Suitable for welding of wide range of metals like Carbon Steel, Stainless Steel and other steel alloys.
- Diode based power source with traditional tapped transformer, provided with switch on front panel for step control of voltage, enabling welder to obtain the desired arc voltage with ease.
- User friendly selection of 2 track / 4track operation for zero defect GMAW welding.
- Good and consistent weld quality with low hydrogen content.
- Quick release wire feed roller mechanism enables operator to change the wire spool quickly, minimizing the unproductive time and thus increasing the productivity on the shop floor.



MIG WELDING EQUIPMENTS

Specifications

PARAMETER	AUTO-MIG		
	MIG-300	MIG-450	MIG-600
Supply Voltage	380 - 440 VAC	3800- 440 VAC	3800- 440 VAC
Phase	1/3	3	3
Frequency	50 Hz	50 Hz	50Hz
Cooling Fan	Forced Air	Forced Air	Forced Air
Insulation Class	H	H	H
Max. Welding Current	300 Amps	450 Amps	600Amps
Open Circuit Voltage	18-42 VDC	18-54 VDC	18-60 VDC
Weight (Approx.)	140 Kg	170 Kg	250 Kg
Dimension (Approx.)	26 x 16 x 21	30 x 18 x 24	30 x 20 x 28

WIRE FEEDER

MODEL	EF -300	EF -450	EF -600
Wire Size	0.8 mm	0.8/1.2 mm	1.2/1.6 mm
Wire feed rate	1.2 -18 m/min	1.2 -18 m/min	1.2 -18 m/min
Drive	2 Roll(Q.R.)*	2 Roll(Q.R.)*	4 Roll
Motor	Servo	Servo	Servo
Control		Thyristorised	
Weight (Approx)	14 Kg	16 kg	18 Kg

Accessories

POWER SOURCE	WIRE FEEDER	Co ² HEATER
TORCH	CO ² REGULATOR	FLOW METER

WELDING EQUIPMENTS ROCKER ARM/ PNEUMATIC TYPE

Specifications

MODEL	KTS							
PARAMETER	3KVA	5KVA	8KVA	10KVA	15KVA	20KVA	25KVA	35KVA
Throat Depth (mm)	150-200	150-200	200-250	200-250	250-300	250-300	300-350	300-350
Throat Clearance (TG)MM	150	200	250	250	300	300	350	350
Cooling Transformer (Arms Electrodes)	Air-Water	Air-Water	Air-Water	Air-Water	Air-Water	Air-Water	Air-Water	Air-Water
Range of Welding Voltage	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V	8-steps Rotary switch 2-6V
300mm Amp	3000	5000	8000	10000	15000	20000	25000	35000
400mm Amp	2500	3500	5500	7500	10000	14000	15000	25000
500mm Amp	2000	3000	4000	6000	9500	12000	12000	18000

Note : Timer/Contactor, Pneumatic & Motor Device on Request. **Machine is fully customizable as per customer requirement.**

Projection / Seam / Spot / Butt



Butt



**Seam
Projection**



Spot



Manufactured Under :
**'MAKE IN INDIA' Initiative at Our
'NOIDA' factory**



Used For:

- * Mobile Power Banks
- * Mobile Phone Batteries
- * Laptop Battery Packs
- * And all other types of Battery Packs.

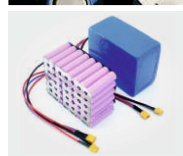
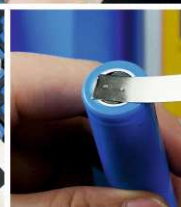
Machine Specs :-

- * 100% Copper Winding
- * Thyristor Controlled Output
- * Also comes with Pneumatic control Heavy Duty Machine for
- * 24 hours working

Best Lithium-ion Battery Welding Machine - Made In India

Best for:

- E-vehicles (Bikes & Cars) • Mobile Power Banks
- Mobile Batteries • Laptop Batteries
- Other Battery Types



**High Power
Spot Welder**



**Time Delay
Spot Welding**



**SCR
Control**



**Precise Current
Adjustment**



**Height
Adjustable Mount**



**Support Large
Size Battery Pack**



**Easy to Weld
Nickel Strips**

CIN NO. : U29253DL2015PTC280126



ELECTRA[®] KOKO-TAWA[®] **WELD (P) LTD.**

Manufacturing Unit: B-15, Sector-5, Noida - 201 301-India
+91 79809 09965, +91 93394 27376, +91 33 4001506

Email : fraser.india23@gmail.com | hassanally.sons@gmail.com