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## Orbital Welding Closed Arc Heads CA-25/75-M/100/150

### Features

- Totally Enclosed Water Cooled Weld Heads
- ◆ Compact Design to Permit Use in Situations Where Access is Limited
- Shielded-Gas Chamber to Prevent OD Discoloration
- Quick Change Collets Systems
- Welding on Actual Position
- Simple & Rugged Design
- DC Motor with Encoder

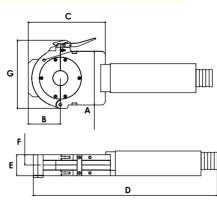


### **Technical Specifications**

Description	Unit	CA-25	CA-50	CA-75-M	CA-100	CA-150
Diameter of Work Piece	mm	6 to 25.4	8 to 50.8	12.7 to 76.2	25.4-101.6	50.8-152.4
Speed Range	Rot / min	0.4 to 4	0.3 - 3	0.2 5- 2.5	0.16-1.6	0.12 to 1.2
Power	Watts	25	25	25	25	25
Weight	Kg	3	4.5	5	6.5	9
Cable Length	Mtr	8	8	8	8	8

### Dimensions

HEAD TYPE	Α	В	С	D	Ε	F	G
CA-25	90	53	144	361	35	17.5	90
CA-50	130	72	180	420	48	24	147
CA-75-M	138	84	200	433	48	24	175
CA-75HD	138	84	200	433	54	26.5	175
CA-100	200	105	280	517	50	25	217.8
CA-100HD	200	105	280	517	64.6	26.5	217.8
CA-150	264	130	355	565	56	26.5	281.6



### Accessories

Carrying case



TC Attachment

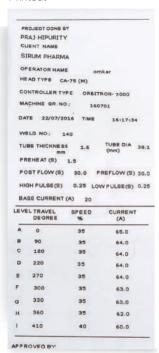


Purging Caps



## Compact Orbital Welding GTAW Power Source ORBITRON-6000/7000

#### Printout



### Water Cooling Unit (WT4)

Capacity 4 Ltrs.

Dimension (mm0 L (350) H (165) W (150)

Weight 4 Kg



### **Features**

- Auto programming mode generates welding parameters data automatically.
- Stores 600 programs 200 auto and 400 manuals programs.
- Manual programs can be stored with tags.
- Compact,Rugged, Noise Proof Design,Weighing only 15 kg, easy carrying for site and runs on generators also.
- · A simple design, user friendly
- Segment wise programming with positional reference.
- In built weld data logger with USB port & pen drive.
- Auto fault detection detects "Arc Fault",
   "Rotor Jam" "Earth Fault" "Gas Fault "and user guidance to fix the fault.
- Suitable for all UNIVERSAL weld heads including Tube To Tube And Tube To Tube Sheet
   Password protected key function for user levels
- Such as welder, Supervisor, Admin
- Auto tacking facility
- Specially tuned GTAW Power Source with highly stable current For Orbital Welding
- Separate compact water cooling unit for Weld Head Cooling
- IOT connected power source by which you can communicate with the machine and get daily report for Orbitron 7000.
- You can see machine status on cloud or using android app for Orbitron 7000.
- If machine is offline, data is stored in machine and can be accessed later



# ORBITRON 7000 Int Connected

A true smart digital power source for orbital weld heads with IoT Connected. A highly reliable, accurate, consistent, rugged, workhorse suitable for site conditions.

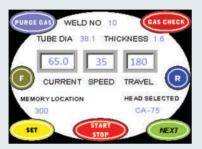


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### **ORBITRON 6000/7000**

## **Auto Programming**

New auto program generates auto weld procedures Need to enter tube O.D and thickness and weld head type







Startup Display

Specifications:

Weight

Auto Program Slection

Orbitron 6000 / 7000

Tube Size Selection

23 KG

Orbitron 6K-300

Application	For use with all LININ/FDCAL wold head	Molding latha CDM		
Application	For use with all UNIVERSAL weld head, Welding lathe, SPM.			
Function controlled	Weld current/ pulse, Weld head rotation, Gas solenoid			
Line Power	230VAC + -15% 50Hz Single Phase, 15A, 4KVA	415VAC+15% Three Phase 8KVA		
Motor Control	24VDC, 1A			
Number of Weld Program can be stored	200 program in AUTO mode 400 program in MANUAL mode			
Weld Data Logger Reading Storing capacity	3000			
Data recording/ printout	Operator name, Weld ID number, O.D., Wall thickness			
	Date, Time, Weld head model, Project, Drawing Number			
	Programmed Parameters			
Dimensions	(L)510 (H)390 (W)220/	(L)510 (H)470 (W) 240 /		
	(L)510 (H)385 (W)240			
Operating temperature	-18 c to 50 c			
Output Current	10A TO 160 A / 200 A	10 TO 300A		
Pulse Rate	0.2 TO 100 Pulse /Sec			
Open ARC Voltage	75 VDC			

15 KG / 18KG

# Orbitron 7000 lot Connected Internet Cloud History Of Welding ◆ Current Status Of Machine Daily Reports

### Features

- Reliable & cost effective solution to square cut for all types of metal pipe
- A precise, square and clean cut
- Any additional preparation work is not requied
   On the cut-off face for orbital welding
- Light weight sturdy design

### **Technical Specifications**

Pipe O.D.	3/4" - 4"
Wall Thickness (inch)	0.02" - 0.12"
Wall Thickness (mm)	0.5 - 3
Approximate Weight (kg)	25
Power Input	1000 W
Voltage / Frauency	220V / 50-60Hz

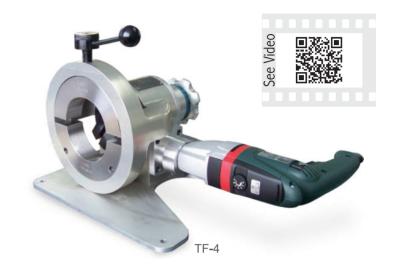




# Tube Facing Machine TF-1.5 / TF-4

The portable tube squaring machine is specially designed to flatten and bevel tube end, making it burr-free, and perfect straight to the axis of the tube.

After facing, the tube would be ready for orbital welding or other tube fabrication, ideal for high purity / high sanitary industry use, such as Beverage, Dairy, Pharmaceutics, Water treatment, Food, Semi-conductor industry etc.



### **Features**

- Faces and Bevel most metals including stainless steel, nickel and carbon steels, chrome, copper-nickel alloy, aluminum
- Wide range of collets (clamp)/ OD Mounting Saddles available, to avoid any tube distortion
- ◆ TF 4 Model Range: 1" OD to 4 "OD
- Can face and bevel tube wall thickness up to 3.8 mm
- 120/220 V powerful Metabo electrical motor
- Micro feed system
- Supply full range of bevel and squaring Bit



### Technical Specifications

	TF-1.5	TF-4
Pipe O.D.	0.25" - 1.5"	1" - 4"
Wall Thickness (inch)	0.019" - 0.078"	0.04" - 0.15"
Wall Thickness (mm)	0.5 - 2	1 - 3.8
Approximate Weight (kg)	7.5	19
Power Input	1000 W	1000 W
Voltage / Frquency	220V / 50-60Hz	220V / 50-60Hz

# Tungsten Grinder

**Features** The Tungsten grinder TS-PPE is an excellent tool for orbital welding Double Sided Diamond Wheel • 230 Volt AC Motor with Variable Speed when using tungsten electrodes. • Collets for 1.6, 2, 2.4, 3.2 mm Tungsten The grinded electrode is always consistent for • Double Insulated Motor precise arc striking and concentration. Stainless Steel Collets The standard unit has a fixed included angle of 30 degrees The diamond wheel is double sided and the movable disk allows the setting for two grooves on the top; as well as, two on the bottom so the entire wheel is used for grinding.

# Video Borescope

### Features

- Diameters: 5.8 mm
- Lengths: 2 to 10 Meter Length Available
- Without Articulation / With Articulation : 4-Way
- High Resolution CCD Image
- High Definition VGA LCD Display
- Built-in Video Recording & Digital Image Capture





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