

AVAILABLE FOR  
SALES AND RENTAL



Solution for the welding universe

## OPEN ORBITAL PIPE TO PIPE WELDING SOLUTION

### PIPE BUSTER – 400

The power supply control system of the all-position automatic pipe welding equipment adopts an open and upgradable operating system to centrally set, store, and precisely control various functional parameters in all-position welding in a synchronous manner. This power supply is specifically designed and manufactured for pipe-to-pipe welding, and is mainly applied in industries such as semiconductors, chemicals, food, pharmaceuticals, electronic pipelines, new energy, heat exchangers, refrigeration equipment, water treatment, and laboratories.



#### Power Supply Characteristics

##### 01 Safe Welding Power Source

The welding power source adopting passive arc starting technology causes low harm to the human body.

##### 02 Easy Program Update

There is a USB interface set up, which is conducive to the update of the interface program.

##### 03 Worry-Free Algorithm Update

It has a network cable interface, making it convenient to upgrade the core algorithm program.

##### 04 Core Self-Development Technology

The R&D technology of the arc voltage detection module features stable performance and sensitive response.

+971524403880  
gulf1@universalneotech.com  
www.universalweldingmachine.com



## PIPE BUSTER – 400

### ORBITAL WELDING POWER SOURCE WITH WIRE FEEDER

#### FUTURE

##### Control System

- Adopts the Siemens PLC control system to ensure the rapid operation of welding process parameters, with high precision and reliability.
- Features low maintenance cost, and is equipped with multiple anti-interference technologies built in, resulting in extremely high equipment stability.
- Paired with advanced inverter technology and a high-precision digit control system.

##### Data and Communication Functions

- Equipped with a network port and a USB interface, enabling the functions of connecting to a computer and communicating via the network port.
- It can store a large number of data recipes, with the quantity exceeding 100 groups, meeting diverse welding requirements.

##### Operation Performance

- Utilizes the optimized zoning technology, allowing each program to be divided into up to 6 zones at most.
- Equipped with the current ramp-up/ramp-down process control technology, achieving good welding formation and reproducibility.
- It is possible to achieve control, call up welding parameters, as well as functions such as program control, start/stop, parameters modification, gas detection, and water detection through the remote control.

##### Structural Design

- The structure is optimized, with portable buckles set between the wire feeder and the power supply. The wire feeder can be directly installed on the power supply or removed separately, allowing for adaptation to various working conditions with strong flexibility.
- The parameters during the welding process are displayed in real time.
- Features a full-color liquid crystal display, accompanied by a menu-style management interface, which is convenient and intuitive for operation.

## PIPE BUSTER – 400

### TECHNICAL SPECIFICATION OF POWER SOURCE

SI No.	Description	Unit	Specification
1	Welding Current	A	10-400
2	Water Cooled Welding Gun	M	8
3	Water Cooling Unit	-	Inbuilt Water Cooling Unit
4	Max. Power	KW	18
5	Storable Program	NO	200
6	Partitionable Room	NO	6
7	Main Display	LCD	10-inch Touch Screen
8	Input Voltage	V	400± 10%, 50-60Hz
9	Power Source Size	MM	825 X 425 X 665(L X W X H)
10	Power Source Weight	KG	65
11	Size of the Wire Feeder	MM	440X233X320(LXWXH)
12	Weight of the Wire Feeder	KG	7

### ELECTRICAL CONFIGURATION

No.	Name	Brand
1	Touch Screen	MCGS
2	PLC	Germany Siemens
3	Power	Xindun
4	AC Contactor	French Schneider
5	Water Pump	Italy CEME
6	Switch Power Supply	Taiwan MW
7	Relay	French Schneider
8	Drive	China Lesai





## OPEN HEAD TECHNICAL SPECIFICATION

Sl No.	Type of Welding Head	Unit	PH-76	PH-114	PH-168	PH-219	PH-273	PH-325
1	Adapt to Pipe Diameter	Mm	19-76	25-114	60-168	89-219	168-273	168-325
2	Welding Gun Size	Mm	259x247x253	328X350X385	328X350X432	334X430X525	349X564X683	600X480X328
3	Welding Gun Weight	Kg	4.5	7.8	11	19	20	25
4	Welding Speed	RPM	0.8-8	0.8-8	0.8-8	0.8-8	0.8-8	0.8-8
5	Bevel Requirement	/	V	V	V/U	V/U	V/U	V/U
6	Wire Spool Weight	Kg	5 or 15	5 or 15	5 or 15	5 or 15	5 or 15	5 or 15
7	Welding Thickness	Mm	2.5-8	2.5-8	2.5-13	2.5-13	2.5-13	2.5-13

## APPLICABLE ACCESSORIES(OPTIONAL)



Wire Feeder

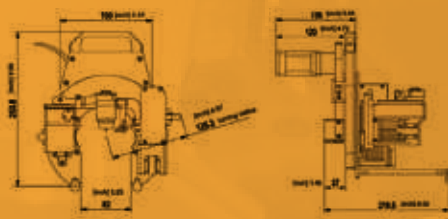


Pipe Beveling Machine

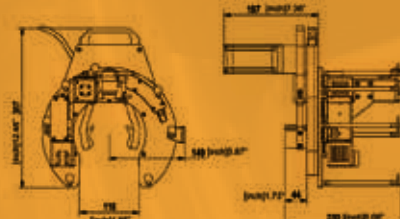
SI No.	Scope of Supply	Quantity
1	Welding Power Supply and Wire Feeder	1
2	Open Pipe and Pipe Welding Head	1
3	Wire controller	1
4	Wiring Cable	1
5	Wire Feeding Data Cable	1
6	Clip Block	1
7	Silk Feeding Nozzle	3
8	Fire Feed Wheel	1
9	Diagonal Pliers	1
10	Hex Wrench	1
11	Tungsten Needle <Φ> 3.2	3
12	Tungsten Clamp <Φ> 3.2	3
13	Welding Torch Tail	3

SI No.	Scope of Supply	Quantity
14	Wire Feeding Tube	1
15	Wire Feeding Hose	1
16	Ceramic Nozzle	2
17	Shunt	2
18	Acromion	2
19	Tungsten Needle Grinding Machine	1
20	Handheld Soldering Cap (with 7 glass pieces)	1
21	Tin Foil, Winding Tape	1
22	Double Head Argon Meter	1
23	Printing Paper	1
24	Cross Screwdriver	1
25	M3 * 8 Hexagon Screw	10
26	M4 * 10 Hexagon Screw	10

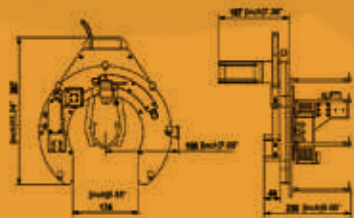
PH- 76 Open Welding Head Outline Diagram



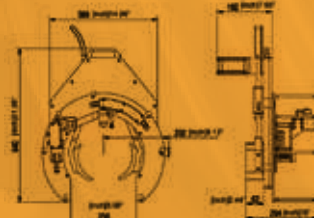
PH- 114 Open Welding Head Outline Diagram



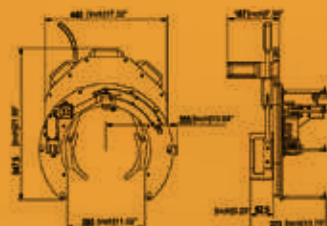
PH- 168 Open Welding Head Outline Diagram



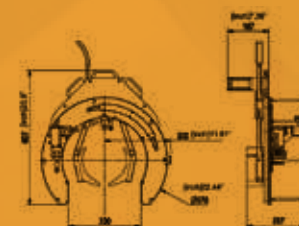
PH- 219 Open Welding Head Outline Diagram



PH- 273 Open Welding Head Outline Diagram



PH- 325 Open Welding Head Outline Diagram



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**UAE HO:** Universal Hi-Tech Equipments FZE, Bldg. Office No: 26G-06, Hamriyah Free Zone, Sharjah, UAE  
Warehouse: Shed No. 4, Industrial Area- 13, Near Al Shola Private School, Sharjah, UAE Phone: +971 525145523

**India:** Axetronic Industries LLP, Plot No D-63, Block Sector: Bhamboli, Chakan Phase 2, Road Pune,  
Maharashtra 410501 Phone: +91 8850753108

**Qatar:** Elite Weld Automation WLL, Office No: 302, Rawdat Al kheil, Zone24, Street 840, Bldg 18,  
Doha, Qatar Phone: +974 77870765

**Saudi:** Electromech CO. LLC, Building No: 3135, Prince Sultan Ibn Abdulaziaz, Riyadh,  
Kingdom of Saudi Arabia Phone: +966 54 231 9185