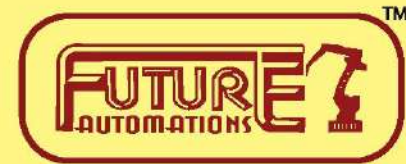




OUR MANUFACTURING FACILITY AT THIRUPORUR, OMR, CHENNAI, IN TWO ACRES OF LAND AREA WITH STATE OF THE ART FACILITIES TO DELIVER WORLD CLASS PRODUCTS & SERVICES



**FUTURE AUTOMATION TECHNOLOGIES PVT. LTD.**

TOTAL WELDING & CUTTING AUTOMATION SOLUTION PROVIDER

*Transforming tomorrow by Innovation*

For DETAILS KINDLY CONTACT :

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**INTRODUCTION**

We have a renowned name, engaged in Manufacturing & Supply of Welding Automation Systems and providing total welding Solutions. The scope of services we provide in Engineering Projects are full-fledged and comply with Technical, Economical and in total comprehensive.

We Specialized in Automated machines mainly for welding applications and other applications like process Automation & Gang Drilling machines for Construction Equipment Manufacturers, which involves Mechanical Design, Electrical Design and Estimation till Installation and Commissioning.

**VISION**

To enhance customer satisfaction and our brand image domestically & globally and achieve exponential growth by leadership through higher technology products and services.

**MISSION**

To deliver greater value to our customers by providing Complete Technical & Economical solutions through technical leadership, innovations and manufacturing excellence that is responsive to dynamic market needs.

**QUALITY POLICY**

- To achieve customer satisfaction by strict observations of contract stipulations and delivery schedule.
- To analyze the specific problems of clients and suggest optimal state-of-art solutions technically and economically.
- To update and apply the latest project and data management technologies.
- To offer a trial and tested quality management system and is fully certified to comply clients satisfaction to adopt a best safety policy during entire project.

**OUR AREA OF SPECIALIZATION**

**Plasma Transferred Arc (PTA) Hard Facing Systems**  
**MIG & TIG Welding Systems**  
**Submerged Arc Welding Systems**  
**Welding Torch Weaving Unit**  
**Automatic Voltage Controller (AVC) Unit**  
**Cold Wire Feeder Unit**  
**Positioners, Manipulators, Rotators**  
**Column & Boom Manipulators**  
**Linear Welding Systems**  
**Head & Tail Stock Manipulators**  
**Weld Overlay Cladding Systems**  
**PEB Beam Welding Systems**  
**Plus Beam Welding Systems**  
**H & I Beam Welding Systems**  
**Chain Rotators for Heavy Beams**  
**Robotic Welding Systems**  
**CNC Plasma Cutting M/C**

**Some of our valued Customers :-**

M/S. BHEL - HARIDWAR  
 M/S. OSWAL INDUSTRIES LTD. - AHMEDABAD  
 M/S. NSSL LTD. - NAGPUR  
 M/S. WHEELS INDIA LTD. - PADI - CHENNAI  
 M/S. GREAVES COTTON LTD. - CHENNAI  
 M/S. PRECISION EQUIPMENTS (CHENNAI) PVT. LTD.  
 M/S. GODREJ & BOYCE MFG. CO. LTD. - MUMBAI  
 M/S. AVASARALA TECHNOLOGIES LTD. - BANGALORE  
 M/S. INDIANA GRATINGS PVT. LTD. - PUNE  
 M/S. AIR LIQUID LTD. - HYDERABAD  
 M/S. DRIPLEX WATER ENGINEERING LTD. - HARIDWAR  
 M/S. ARMOUR STEEL BUILDINGS PVT. LTD. - METTUR  
 M/S. UNIKLINGER LTD. - PUNE  
 M/S. ORIENTAL FABRITECH PVT. LTD. - NAVI MUMBAI  
 M/S. LEYLAND DEERE - TAMILNADU  
 M/S. WINDLASS ENGINEERS & SERVICES - DEHRADUN  
 M/S. INDIAN ROOFINGS PVT. LTD. - TIRUPUR  
 M/S. VISHWAS STRUCTURALS - BELLARY  
 M/S. KAMATCHI METAL ARCH PVT. LTD. - RAJAHMUNDRY  
 M/S. ACERO TECHNOLOGIES - BANGALORE

**SERVICES AND SUPPORTS**

- Well Experienced, Trained and effective Automation, Electrical & Mechanical Engineers
- Well versed in all welding & allied processes
- Offers you perfect solution for welding automation
- Offers you on job training for your personnel
- Provides cost effective welding solutions
- Provides you effective after sales service

**Authorised distributor of :-****PEB BEAM WELDING SYSTEM****CNC PLASMA / OXYFUEL PLATE CUTTING SYSTEM****EQUIPMENT WE SUPPLY**

1. CNC Cutting Machine
2. Splice Welder
3. Tack Welder
4. Pull Thro Welder
5. Conveyors
6. Sub arc Welding Power Source
7. Accessories

**SPLICE WELDER**

- Splice Welder has a side beam Carriage with the torch mounting head
- Splice welder is provided with set of copper clamping fingers, which are operated pneumatically to clamp the plates.
- Pneumatically operated edge aligner is to ensure the repeatability of weld position.
- Pneumatically operated flux back up facility is provided.
- Hydraulically operated web filter is provided to ensure the exit of the web welding.

**TACK WELDER**

- Hydraulically Operated web lifters for lifting the web to the center line of the flange

- Hydraulically operated edge aligners to align the face of the web and flanges
- Hydraulically Operated web / flange Clamping Assembly.
- The Web and the flanges are aligned and clamped with the help of the above and track welding is done in the leading edge. After tack welding the beam is conveyed to the Pull thro welder.

**PULL THRO WELDER**

- Pull through welding station operates automatically on a single push button Operation and the speed of the In feed Conveyor, out feed conveyor and the pull thro rolls are synchronized automatically.
- Pull through rollers, Conveyors and welding equipment and the flux recovery units are all operated automatically in the programmed sequence.
- Equipment was designed with two welding heads to weld simultaneously. A digital Programmer unit is provide where in all essential Process Variables are stored.
- The equipment is provide with an independent hydraulic power unit to clamp the web and flange assembly rigidly while welding.
- Equipment is provided with the sweep correction Rollers to adjust and accommodates the different flange heights.
- Equipment was design to weld beams with one side taper up to a maximum taper angle of 15°





**CNC PLATE DRILLING SYSTEM**



**SPLICE WELDING SYSTEM FOR PEB BEAMS**



**TACK WELDING SYSTEM FOR PEB BEAMS**

## **AERO SPACE COMPONENT ALUMINIUM TIG WELDING SYSTEM**





# MANIPULATORS



**PANEL WELDING SYSTEM FOR BOILER MANUFACTURING**

**MAIN BRACKET FOR HEAVY BEAM WELDING**

Model	FA 100	FA 250	FA500	FA 1000	FA 2000	FA 5000	FA 10000	FA 20000
Rated load Capacity(Kgs)	100 kgs	250 kgs	500 kgs	1000 kgs	2000 kgs	5000 kgs	10000 kgs	20000 kgs
Center of Gravity	75 mm	100 mm	150 mm	150 mm	150 mm	300 mm	300 mm	300 mm
Eccentricity	50 mm	75 mm	100 mm	100 mm	150 mm	300 mm	300 mm	300 mm
Table Speed Range (R.P.M)	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.1 - 1.0	0.05- 0.75	0.05- 0.75	0.05- 0.75	0.02- 0.5
Table Diameter	400mm	500 mm	750 mm	925 mm	1070 mm	1500 mm	1600 mm	2000 mm
Table Tilt	135	135	135	135	135	135	135	135
Table Slot & Bolt Size	8mm	12 mm	14 mm	20 mm	20 mm	25 mm	25 mm	25 mm
Table Height from floor(Appx)	500 mm	850 mm	900 mm	1070 mm	1070 mm	1500 mm	1650 mm	1900 mm



**HIGH PRESSURE NOZZLE TIG WELDING AUTOMATION**

**WELDING AUTOMATION SYSTEMS FOR NUCLEAR POWER PROJECTS**



**COLUMN & BOOM MANIPULATOR**

**COLUMN & BOOM MANIPULATOR FOR BOILER WELDING**



**HEAVY BEAM WELDING AUTOMATION**

**COLUMN & BOOM MANIPULATOR FOR SS BELLOWS WELDING**



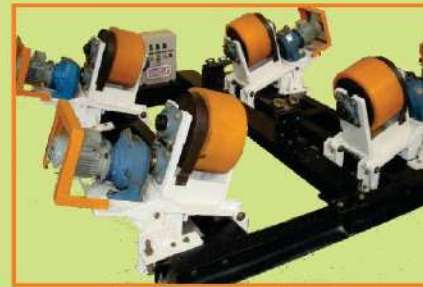




CONCRETE MIXTURE DRUM WELDING SYSTEM



PTA CUM MIG WELD OVERLAY SYSTEM FOR VALVE COMPONENTS



SPERICAL VESSEL ROTATOR



CONVENTIONAL ROTATOR



H & T MANIPULATOR - 5 TONS



SELF ALIGNING ROTATOR



DOUBLE TORCH CONVEYOR ROLLER WELDING SYSTEM



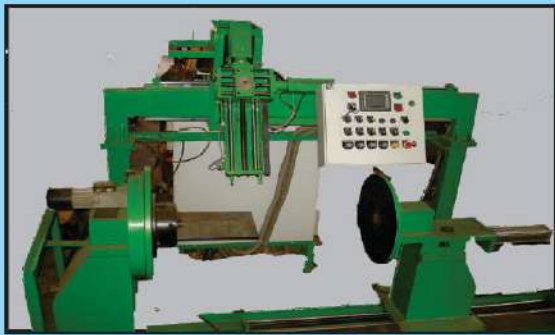
H & T MANIPULATOR - 10 TONS



RAILWAY BOGIE FRAME WELDING SYSTEM







**PROGRAMMABLE 3 AXIS SERVO BASED VALVE BONNET BODY DEEP GROOVE MIG WELDING SPM**



**3 STATION SERVO BASED SAW WELD OVERLAY SYSTEM**



**SERVO BASED PLASMA TRANSFERRED ARC STELLITE HARD FACING SYSTEM**



**BALL VALVE ROOT TIG WELDING SYSTEM**



**3 STATION SERVO BASED GATE VALVE SEAL WELDING SYSTEM**



**GATE VALVE WELDING SYSTEM**



**BALL VALVE SAW WELDING SYSTEM**



**SERVO / CNC BASED WELD OVERLAY SYSTEM FOR OIL FIELD VALVE COMPONENTS**



**PTA CUM MIG WELD OVERLAY SYSTEM FOR VALVE COMPONENTS**



**MECHANIZED SEAT RING SEAL WELDING SYSTEM**



**PTA CUM SAW WELD OVERLAY SYSTEM FOR VALVE COMPONENTS**