

WELDERS TO THE NATION SINCE 1951



(Formerly Advani-Oerlikon Ltd.)



Welding Automations & Cutting Systems



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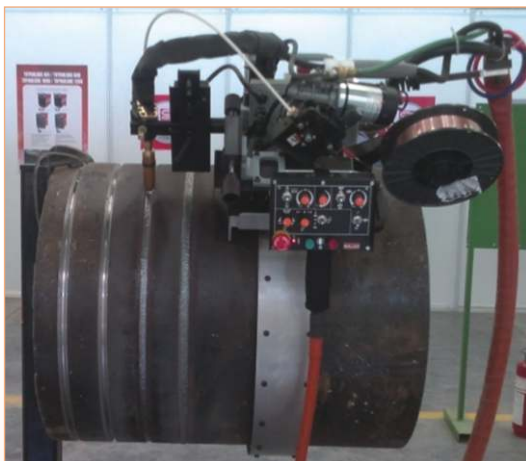
ADOR brings Orbital GMAW / FCAW welding system

In association with GULLCO International CA, in India.

INTRODUCTION :

A practical, affordable alternative to manual welding of heavy wall pipes 10" (254 mm) O.D and up. It produces x-ray quality welds with robotic consistency and precision, making it ideal for pipeline on-site work.

The PIPE KAT® is integrated with the ADOR Power source for single point control of welding parameters. Total carriage weight less wire spool 42 lbs. (19 kgs). The unit is mounted on pipe by means of quick mount pipe band, which is available for all standard and custom pipe diameters. The welding torch is mounted on one side providing full open access to the weld joint area. The PIPE KAT® can be easily converted for straight line welding on tanks, shipbuilding, etc.



CNC Cutting Machine King Cut Pro Series

INTRODUCTION :

Our gantry cutting machine offers you maximum flexibility: plasma and oxy - fuel cutting in combination or separately - both options are possible. You can start cutting more quickly and simply and achieve optimal results.



STANDARD EQUIPMENT

- Basic machine package with CNC controller
- 1 torch for the selected fuel-gas
- Central gas diffusion with manometers
- Remote flame ignition
- Additional equipment as required by Customer

OPTIONAL

- Extension of the longitudinal rail in multiples of 0.5 mtrs - Max up to 20 mtrs
- Additional cutting head
- Programming software MOST 2D
- Support table for sheet metal with segment extraction system
- Extraction-filter system
- Laser position indicator (determining the cutting point)

PRODUCT SPECIFICATIONS :

Technical Chart	KING CUT PRO 2000	KING CUT PRO 2500	KING CUT PRO 3000	KING CUT PRO 350	KING CUT PRO 4000
CNC controller	BURNY Phantom	BURNY Phantom	BURNY Phantom	BURNY Phantom	BURNY Phantom
Work width	1500 mm	2000 mm	2500 mm	3000 mm	3500 mm
Work length	5000 mm	5000 mm	5000 mm	5000 mm	5000 mm
Cutting heads			6 x flame + 2 x plasma		
Drive version			AC servo motor YASKAWA		
Max. positioning speed			15000 mm/min		
Programming accuracy			± 0.01 mm		
Repeatability			± 0.1 mm		
Torch height control version			CAPACITIVE (flame) ARC VOLTAGE (plasma)		

Advance Robotic Welding Solutions

INTRODUCTION :

- ADOR provides high end Robotic Solutions to serve Indian industry's needs. We provide Robotic MIG systems for automobile, material handling and heavy engineering. We also carry Robot integration job
- With 6 axis robot we can achieve high precision and greater productivity
- Robot can be interfaced with external axis to increase the reach ability and complex weld positions



CHAMP MIG 400 R

INTRODUCTION :

- ADOR has developed its own Inverter based 400 Amps MIG welding outfit for Robotic welding solution, CHAMP MIG 400 R.
- Highly engineered indigenous Inverter designs provide reliable welding proces



SPM's for Automated Solutions

L SEAM WELDING SPM



- Linear Welding of Rolled Sheet
- With pneumatic clamping No need of pre tack component
- AC VFD Drive for linear motion
- Mandrel with Copper backing and gas purging arrangement for good penetration
- Flux Recovery Unit (Optional)

APPLICATION:

Dairy Industry, Automotive Industry, Household utensils mfg.

CONCEPT:

In this construction of machine torch will move and job will be stationary.

C SEAM WELDING SPM



- Twin head SAW welding set-up
- Pneumatic head stock -Tail stock fixuring
- AC VFD Drive for Head stock
- Multi pass for wider welding bead
- Flux recovery unit. (Optional)

APPLICATION:

Automotive and non automotive industry.

CONCEPT:

In this construction of machine – Job will rotate and torch will be stationary but in some application job and torch will move in synchronized speed.

SQUARE AXLE WELDING MACHINE



- All Servo Drive Control
- Dual Welding Station
- Oscillation with auto height control
- Continuous Multi pass

APPLICATION:

Automotive Industry for axel welding.

CONCEPT:

In this construction of machine – Job will rotate and torch will be stationary but in some application job and torch will move in synchronized speed.

SPM's for Automated Solutions

PIPE WELDING SPM



- 2" to 6" Pipe welding
- Pneumatic rollers for holding of pipe
- AC VFD drive for speed variation
- Pipe to flange welding also possible

APPLICATION:

Pipe line industry.

CONCEPT:

In this construction of machine torch will be stationary and job will move.

VALVE WELDING SPM



- Ring Groove Welding application
- Inlay continuous cladding with job rotation and torch retract function
- Seat-pocket welding also possible

APPLICATION:

High pressure Industrial valve mfg industry.

CONCEPT:

In this construction of machine during welding job will rotate and torch will be stationary but in some application job and torch will move with synchronized speed.

TORCH ROTARY MACHINE



- Extremely useful for automotive circular joints
- Completely PLC controlled high end automation
- Consistent quality and high productivity
- Different jobs can be welded by changing fixture on the same machine
- Popular in exhaust system manufacturers

APPLICATION:

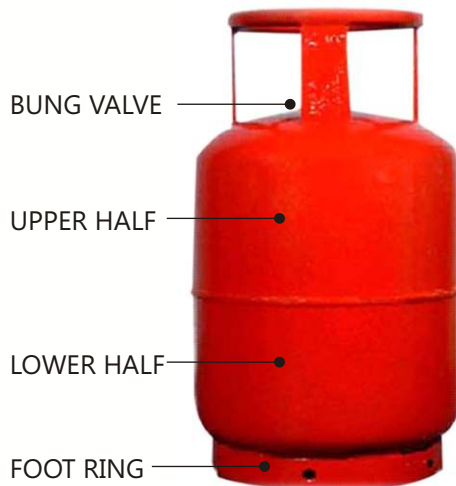
Automotive and non automotive Industry.

CONCEPT:

In this construction of machine torch will rotate and job will be stationary.

SPM's for Automated Solutions

CYLINDER WELDING SPM



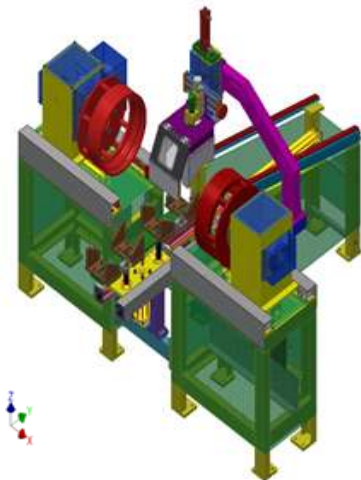
SECTOR : LPG Cylinder

APPLICATION:

1. Upper Shell to Lower Shell welding,
2. Foot Ring to Lower Shell Welding,
3. Bung Valve to Upper Shell Welding

ADVANTAGE :

1. Good productivity
2. Good and consistent weld quality
3. Automatic loading and unloading so this will reduce the human efforts



SECTOR : Domestic LPG Cylinder

APPLICATION :

Upper Shell to Lower Shell Welding of Domestic LPG Cylinder

ADVANTAGE :

1. Higher Productivity
2. Good and consistent weld quality
3. Auto Loading - unloading station
4. Less man power
5. On single machine minimum and maximum sizes of jobs can be weld

Automatic Plus/H/Box Beam Welding Solution

SYSTEM CONSISTS OF

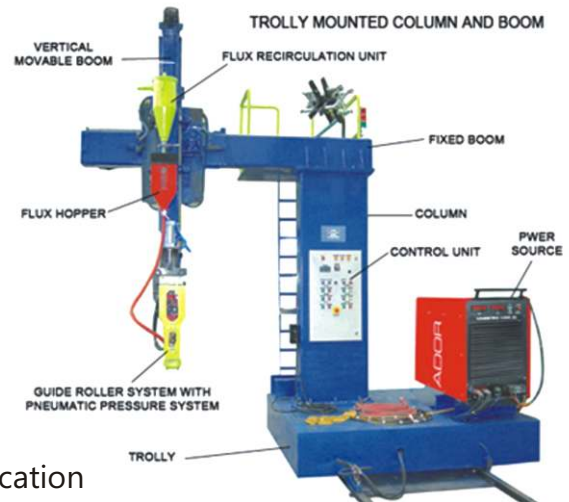
- Trolley Mounted Column & Boom
- V Blocks for Beam Support
- Tilting System for beam rotation
- 1200 Amps SAW outfit with Flux Recovery Unit
- A remote pendant for operation

APPLICATION:

Structural welding and heavy fabrication sector

Concept :

In this construction of machine job is stationary and torch will move with Gantry but in some application welding torches will be stationary and job will push & pull. This type of construction of machine is called pull through welding.



Tilting System

INTRODUCTION

- Tilting mechanism is fabricated from channel and plates. Each is equipped with heavy chain, with which beams can be lifted and rotated
- Lifting System works on Hydraulic



V Block

INTRODUCTION

V blocks are used to rest the beam during welding. V blocks and Tilting system are aligned in-line and exact parallel to trolley movement.



Rotators

WELDING ROTATORS & IDLERS

- Pedestal and Trolley mounted type
- Range : 5T to 150T
- Digital speed read out
- Foot Switch (Optional)

APPLICATIONS

- Pipe Welding
- Pressure vessels & Boilers
- Tanks
- Wind Tower
- Street pole Industry



Concept:

This is used to rotate the job, depending on weight of job this rotator model can be selected.

Positioners

WELDING POSITIONERS

- Variable rotational speed
- Motorised Tilting
- Digital Read out
- Foot Switch (Optional)

APPLICATIONS

- Pipe Welding
- Pipe-Flange Welding
- Valve Industry
- Crusher Industry
- Automotive and non Automotive sector



Concept:

This is used to rotate the job, depending on weight of job this rotator model can be selected.

Column & Boom

APPLICATIONS

Vibration & Jerk free Column & Boom can be used to manipulate the weld head position to weld variety of applications viz Linear, circular welding of sheels.

- Range : 2020 to 6060
- AC VFD Drive for Longitudinal movement
- Anti-fall mechanism to protect in case of accident
- Available in pedestal as well as trolley mounted design
- Joy stick controlled XY Slides (Optional)
- Vision System (Optional)
- Seam Tracker (Optional)
- Oscillator (Optional)

APPLICATIONS:

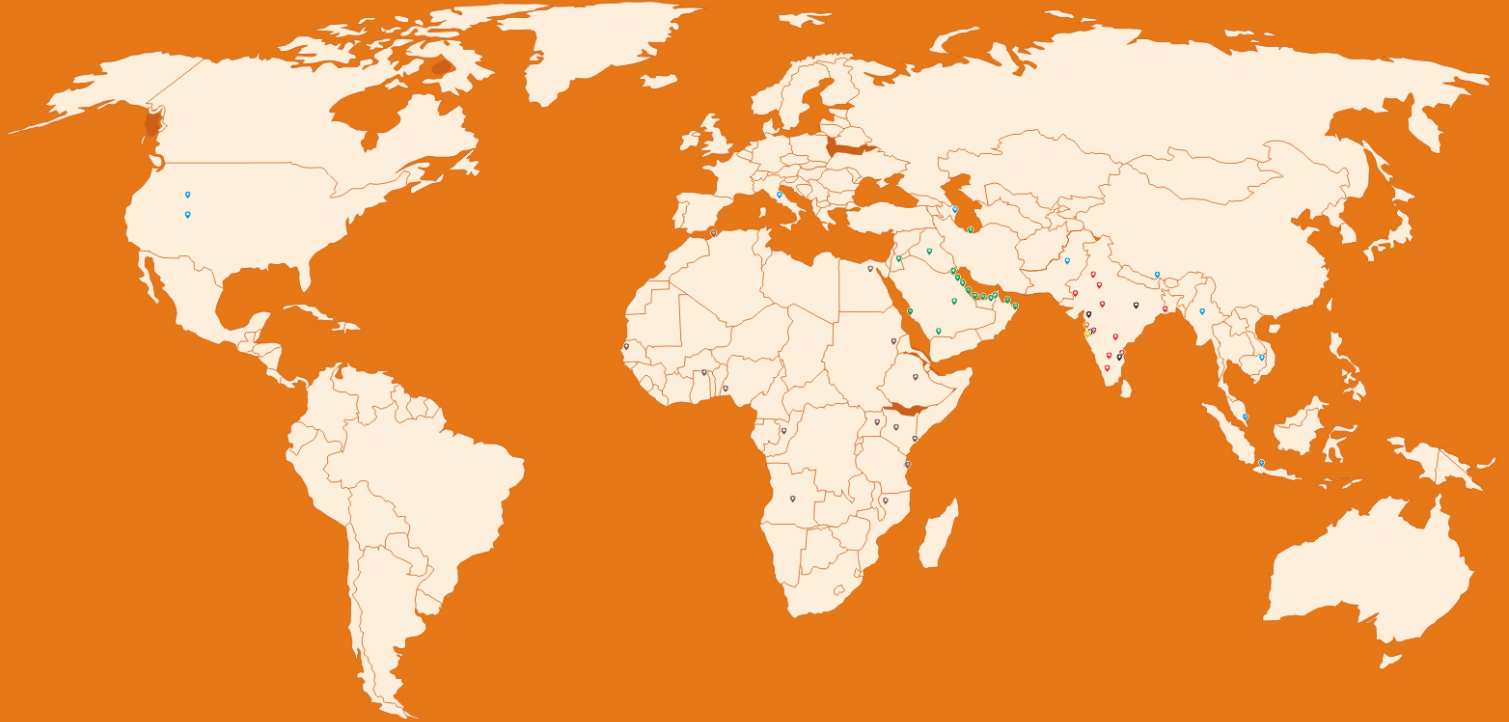
Pressure vessel industry, Pole industry, High pressure industrial Valve welding

Concept: This is used for long seam welding of pressure vessel and pole industry.

This model can be selected according to job length and min & max diameter of the job.



Our Global Footprints



-  Regd. & Corporate Office
-  Manufacturing Facilities
-  Central Marketing Office

INDIA

- Delhi
- Jaipur
- Ahmedabad
- Indore
- Silvassa
- Mumbai
- Pune
- Bengaluru
- Coimbatore
- Chennai
- Hyderabad
- Raipur
- Kolkata

MIDDLE EAST

- Dubai
- Sharjah
- Abu Dhabi
- Muscat
- Sohar
- Doha
- Kuwait
- Tehran
- Jordan
- Jubail
- Dammam
- Manama
- Riyadh
- Sanaa
- Jeddah

AFRICA

- Nairobi
- Kampala
- Dar E salaam
- Blantyre
- Khartoum
- Algiers
- Senegal
- Ghana
- Lagos
- Cairo
- Addis Ababa
- Mombasa
- Congo
- Angola

ASIA, EUROPE & US

- Kathmandu
- Myanmar
- Vietnam
- Singapore
- Jakarta
- Lahore
- Baku Azerbaijan
- Italy
- Salt Lake City
- Utah

Disclaimer: This map is not to the scale. It is only geographical representation. Company does not take any responsibility of the accuracy of the same.



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