

AVAILABLE
FOR
SALES AND
RENTAL

WELDING AUTOMATION EQUIPMENT

CATALOGUE
2025 – 26



WELDING MADE EASY

Welding Automation Equipments are manufactured by Axetronic Industries LLP, Pune, India with sales and marketing managed by Universal Hi-Tech Equipment FZE, UAE, and Elite Weld Automation WLL, Qatar.

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Our Product Range

- Conventional Rotator
- Self-Centring Lead Screw Rotator
- Self-Alignment Rotators
- Welding Positioner
- Welding Turn Tables.
- Column and Boom Manipulator
- Pipe Fitting Rotators
- Pipe Stands

SELF CENTERING ROTATORS, ACR SERIES

Self Centering Rotators are also known as Job Rotators, Pipe Rotators, Tank Rollers, Tank Turning Rolls, Vessel Welding Rotators, Pipe Turning Rolls, Tank Welding Rotators, Power Turning Rolls, Idler Rotators.

This rotator is designed with a lead screw featuring left-hand and right-hand threads, allowing the roller brackets to slide equally in both directions over the base frame. For models with capacities up to 150 tons, the self-centering roller brackets are not bolted to the base frame. The lead screw can be rotated either manually or motorized. The technical specifications are similar to those of conventional models, with the main difference being the inclusion of a lead screw.



MODEL	LOAD & ROTATION CAPACITY (Tons)	VARIABLE SPEED OF ROTATION (RPM)	JOB DIAMETER RANGE (MM)	ROLLER		ROLLER MATERIAL
				DIAMETER	WIDTH	
ACR-05	5	125-1250	400-4000	300	100	POLYURETHANE/ STEEL
ACR-10	10	125-1250	500-5000	300	150	
ACR-20	20	125-1250	500-5000	400	150	
ACR-30	30	125-1250	500-5000	400	200	
ACR-50	50	150-1500	500-5000	500	200	
ACR-60	60	150-1500	500-5000	500	250	
ACR-100	100	150-1500	500-5000	550	300	
ACR-150	150	150-1500	1000-6000	650	400	
ACR-200	200	150-1500	1000-6000	650	500	
ACR-250	250	150-1500	1000-8000	650	600	
ACR-300	300	150-1500	1000-8000	660	200	STEEL
ACR-500	500	150-1500	1000-8000	660	250	

Note:

1. Custom-built self centring rotators can also be provided apart from the standards.
2. We reserve the right to modify the dimensions & others as per new design developments.

Optional: 1. Without lead screw i.e, Conventional Type Rotator 2. Manual or Motorized Trolley/
Bogie Mounted. 3. Roller material as per requirement. 4. Synchronization of two or more
drive unit rotators.

SELF ALIGNING ROTATORS, ASAR SERIES

Self-Aligning Rotators are also known as Job Rotators, Adjustable Turning Rolls, Self-Aligned Rotators, Auto Diameter Setting Rotators.

Self-aligning welding rotators are advanced equipment specifically designed to automatically adjust and align cylindrical workpieces, such as pipes, tanks, and vessels, during welding or fabrication. Equipped with both powered and idler rollers, these rotators smoothly rotate the workpiece, ensuring steady movement throughout the welding process.

What sets self-aligning rotators apart is their automatic adjustment of roller angles according to the size and shape of the workpiece, eliminating the need for manual intervention. This automatic centering keeps the workpiece aligned, enhancing weld quality and minimizing the likelihood of defects.



MODEL	LOAD & ROTATION CAPACITY (Tons)	VARIABLE SPEED OF ROTATION (RPM)	JOB DIAMETER RANGE (MM)	ROLLER		ROLLER MATERIAL
				DIAMETER	WIDTH	
ASAR-05	5	125-1250	400-4000	300	100	POLYURETHANE
ASAR-10	10	125-1250	500-5000	400	100	
ASAR-20	20	125-1250	500-5000	400	120	
ASAR-30	30	125-1250	500-5000	400	200	
ASAR-60	60	125-1250	500-5000	500	200	
ASAR-80	80	150-1500	500-5000	500	250	
ASAR-100	100	150-1500	500-5000	500	250	
ASAR-150	150	150-1500	500-5000	550	250	
ASAR-250	250	150-1500	500-5000	600	300	

Note:

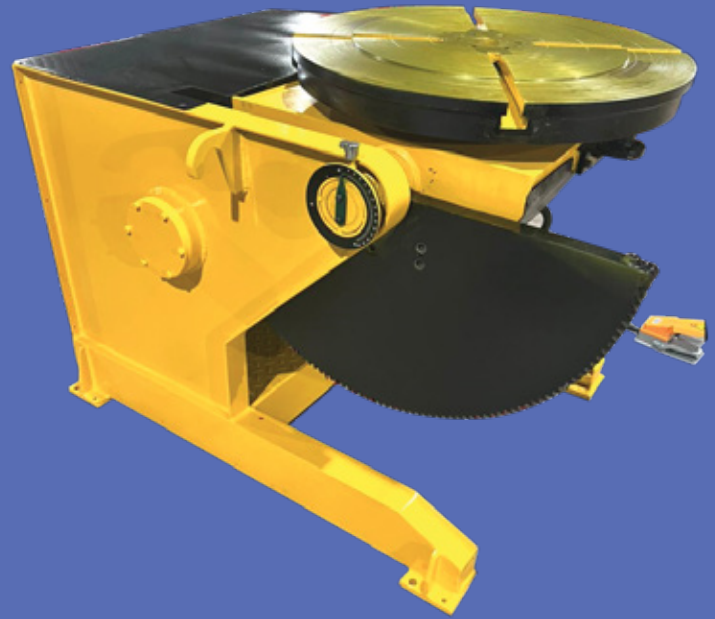
1. Custom-built self-aligning rotators can also be provided apart from the standards.
2. We reserve the right to modify the dimensions & others as per new design developments.

Optional: 1. Manual or motorized Trolley/Bogie mounted. 2. Roller material as per requirement.
3. Synchronization of two or more drive unit rotators.

WELDING POSITIONERS, AWP SERIES & WELDING TURN TABLES, ATT SERIES

Also known as Job Positioners, Pipe Positioners, Rotary Tables, Tilt Positioners

Positioners are primarily used to manipulate and position jobs for easy down-hand welding, regardless of the operator's skill level. Once the job is loaded, it can be easily manipulated to complete all welding operations in a down-hand position, reducing handling time and minimizing the need for crane usage. Depending on the specific welding requirements, the job can be tilted from 0 to 135 degrees. Positioners are ideal for complete circumferential welding, strip cladding, and down-hand position welding, and they provide easy access to intricate assemblies. When used in conjunction with a column and boom, positioners enable a variety of welding tasks that might otherwise be impossible.



MODEL	LOAD & ROTATION CAPACITY (Tons)	ECCENTRICITY (MM)	CENTRE OF GRAVITY (MM)	TABLE SPEED (RPM)		ROTATIONAL TORQUE(NM)	TILTING TORQUE (NM)	TILT ANGLE (°)	TABLE DIAMETER (MM)
				ROTATOR	TILTING				
AWP-1000	1	100	125	0.1-1	200	1200	1500	0-135	1000
AWP-2000	2	150	200	0.1-1	175	3600	4800	0-135	1500
AWP-3000	3	150	200	0.1-1	200	5400	7200	0-135	1500
AWP-5000	5	200	250	0.1-1	250	12000	15000	0-135	1750
AWP-10000	10	200	250	0.08-0.8	300	24000	30000	0-135	2000
AWP-15000	15	250	300	0.08-0.8	300	45000	54000	0-135	2500
AWP-20000	20	250	300	0.08-0.8	250	60000	72000	0-135	2500

Note:

1. Custom-built welding positioner/turn table can also be provided apart from the standards.
2. We reserve the right to modify the dimensions & others as per new design developments.

Optional: 1. Square/Rectangular face plate. 2. Servo drive for robotic application.

COLUMN & BOOM MANIPULATORS, ACB SERIES

Column and Boom Manipulators are also known as Welding Manipulators, Weld Head Manipulators, SAW Welding Manipulators, Welding Boom, L-Seam & C-Seam Manipulators.

In a column and boom system, the welding head is mounted at one end of the boom, with the wire spool installed either at the front or rear of the base, providing flexibility in various applications. Extra light-duty and light-duty models use a lead screw mechanism for vertical movement, while medium and heavy-duty versions are equipped with a robust rack and pinion system coupled with a counterweight arrangement to ensure smooth, precise adjustments. The counterweight and boom assembly are supported by over-rated steel wire ropes designed with a safety factor exceeding two, guaranteeing secure operation even under heavy loads.



MODEL	VERTICAL STROKE (mm)	HORIZONTAL STROKE (mm)	BOOM EXTENDING SPEED (VARIABLE) (MM/MIN)	BOOM LIFTING SPEED (FIXED) (MM/MIN)	TROLLEY SPEED (FIXED) (MM/MIN)	MAXIMUM LOAD AT BOOM END (KG)	APPROX. OVERALL HEIGHT WITH TROLLEY(M)
ACB-1010	1000	1000	150-1500	300	1500	100	3.0
ACB-2020	2000	2000	150-1500	300	1500	100	3.5
ACB-3030	3000	3000	150-1500	1000	1500	200	5.5
ACB-4040	4000	4000	150-1500	1000	1500	200	6.0
ACB-5050	5000	5000	150-1500	1000	1500	300	6.5
ACB-6060	6000	6000	150-1500	1000	1500	300	7.5
ACB-7060	7000	6000	150-1500	900	1500	300	9.0
ACB-8060	8000	6000	150-1500	900	1500	300	10.0

Note:

1. Custom-built column & Boom manipulators as per stroke requirements can also be provided apart from the standards.
2. Manual column swivel 360 degree
3. Anti-fall arrangement adopted for all models.
4. We reserve the right to modify the dimensions and others as per new design developments.

Optional: 1. X-Y cross slides 2. Welding head & power source 3. Fixed Base
4. Flux recovery unit

PRODUCT SHOWCASE



PRODUCT SHOWCASE



WELDING MADE EASY

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