



C  RMACTM

LEAD BY INNOVATION

WELDING POSITIONER



Overview

Imagine an extra set of tireless hands that rotate your workpieces while you weld, giving you access to every angle with ease. That's the magic of a welding positioner, a versatile turntable designed to save your time, effort, and money. Whether you're a seasoned pro or a weekend warrior, this advanced technology takes your welding to the next level.

CARMAC TECHNOLOGIES PVT. LTD. is a leading manufacturer of welding positioners, specializing in equipment that's perfect for the fabrication industry. Our positioners not only improve weld quality and efficiency, but also handle heavy pieces you couldn't manage alone and keep you safe from awkward postures and injuries.

Think of it as an investment in precision, productivity, and safety. Welding positioners are ideal for circular welding, strip cladding, and downhand position welding, providing smooth, controlled motion between the torch and the joint. So, ditch the struggle and upgrade your welding application with a CARMAC TECHNOLOGIES welding positioner.

Features



Improved weld quality

By providing optimal access to weld joints, positioners enable welders to create cleaner, more consistent welds.



Increased productivity

Workpieces can be welded continuously without repositioning, saving time and effort.



Reduced operator fatigue

Eliminates the need for welders to physically move heavy workpieces, leading to less physical strain and improved worker comfort.



Enhanced safety

Controlled workpiece movement minimizes the risk of accidents and injuries associated with manual handling.



Versatility

Positioners can be used for a wide range of welding tasks, from simple to complex.



Integration options

Can be integrated with other welding equipment, such as rotators and manipulators, for complete weld station automation.

Advantages



Enhanced Weld

Accessing every angle provides more consistent weld penetration and reduces slag inclusions.



Increased Productivity

Continuous welding without repositioning saves time and labor costs.



Reduced Fatigue and Improved

Ergonomic postures prevent fatigue and minimize accident risks from awkward work positions.



Versatility

Handles diverse welding tasks, from simple to complex shapes and materials.



Improved Accessibility

Allows welding of heavy and bulky workpieces that would be difficult to manipulate manually.

Applications



Circular Welding

Seamless welds on pipes, tanks, and other cylindrical objects.



Longitudinal Welding

Efficient welding of long structures like beams and pipelines.



Downhand Welding

Preferred welding position for optimal weld quality and penetration.



Strip Cladding

Applying wear-resistant layers to surfaces for extended service life.



Tack Welding

Precise positioning for accurate pre-welding alignment.

Technical Specifications

MODEL	RATED LOAD CAPACITY	CENTER OF GRAVITY	ECCENTRICITY	TABLE ROTATION SPEED	TABLE DIAMETER	TABLE TILTING SPEED FOR 135°	TABLE HEIGHT FROM FLOOR (APPROX.)
	(Kg)	(mm)	(mm)	(R.P.M)	(mm)	(degree)	(mm)
WP - 50	50	25	25	1 - 10	300	MANUAL	410
WP - 100	100	50	50	0.2 - 2	400	60	475
WP - 250	250	50	50	0.2 - 2	500	60	525
WP - 500	500	100	75	0.1 - 1	750	60	650
WP - 1000	1000	125	150	0.1 - 1	1000	60	950
WP - 1500	1500	150	150	0.1 - 1	1000	60	1050
WP - 2000	2000	200	150	0.1 - 1	1000	60	1150
WP - 5000	5000	250	200	0.1 - 1	1500	90	1350
WP - 10000	10000	250	200	0.05 - 0.5	1500	100	1850
WP - 20000	20000	300	250	0.05 - 0.5	2500	100	2250

CONVENTIONAL WELDING POSITIONER



Model - WP Capacity : 1 Ton - 20 Ton

Features

- ▲ Tabletop rotation only (360°).
- ▲ Limited tilt (optional in some models).
- ▲ Variable speed control.
- ▲ Compact and affordable.

Applications

- ▲ Simple welding tasks requiring single-axis rotation.
- ▲ Cylindrical welds (pipes, tanks).
- ▲ Downhand welding (preferred position).
- ▲ Suitable for light to medium weight workpieces.

WELDING TURN TABLE



Model - WTT

Capacity : 1 Ton - 20 Ton

Features

- ▲ Simple 360-degree tabletop rotation.
- ▲ No tilting capabilities, portable or bench-mounted.
- ▲ Higher load capacity upto 20 ton.
- ▲ Compact and lightweight design.

Applications

- ▲ Heavy-duty welding and fabrication tasks.
- ▲ Circular welding of parts of all sizes and materials.
- ▲ Positioning workpieces for inspection or painting.
- ▲ Hobbyist or portable welding applications.

3 AXIS ELEVATING (L-TYPE) POSITIONER



Model - ELP

Capacity : 1 Ton - 20 Ton

Features

- ▲ Up/down tilting and boom movement.
- ▲ High load capacity.
- ▲ Increased accessibility and maneuverability.
- ▲ Complex controls, often with PLC interfaces.

Applications

- ▲ Welding large and complex workpieces.
- ▲ Downhand welding of intricate shapes.
- ▲ Long seam welding (beams, pipelines).
- ▲ Shipbuilding and heavy equipment fabrication.

WELDING POSITIONER WITH EXTENDED ARMS



Model - WP

Capacity : 1 Ton - 20 Ton

Features

- ▲ Single axis tabletop rotation with variable arm length and positioning.
- ▲ Two or more articulated arms extending from the base.
- ▲ Increased access to recessed areas or large workpieces.
- ▲ Useful for overhead or under-the-table welding.

Applications

- ▲ Welding of tanks, boilers, and other vessels with internal components.
- ▲ Repairing machinery with difficult-to-reach weld joints.
- ▲ Automotive industry (chassis, engine components).
- ▲ Aerospace and other specialized welding applications.

MINI POSITIONER WITH PNUMATIC TORCH SLIDE



Model - WP

Capacity : 1 Ton - 5 Ton

Features

- ▲ Compact and lightweight design with limited tabletop rotation.
- ▲ Integrated pneumatic torch slide for precise positioning.
- ▲ Ideal for small parts and intricate welds.
- ▲ Can be mounted on larger positioners for extended reach.

Applications

- ▲ Light-duty welding and fabrication tasks.
- ▲ Electronic component assembly.
- ▲ Fine detail welding in miniature models.
- ▲ Repairing delicate workpieces like thin sheet metal.

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