



Description

General Features :

- BSP-3AX model 3 axis Head Tail Stock Positioner, Regardless of any geometric shape within dimensions of the machine, In favour of being able to position and generating remarkable welding edges to all workpieces are qualified & ideal solutions. Ensures utmost capability of welding & likewise assembling at 360° degree of any required position .
- Designed in best suitable configuration to perform safe positioning of the workpieces having asymmetry & higher probability of overturn.
- Avoids of crane operations that are part handling, rotating of parts, etc. during production, Provides the opportunity of using operator's working power to use more effectively by minimizing time loss and it increases the efficiency of work.
- BSP-3AX model positioner with robust construction & easy controlling ability, Provides the opportunity of comfortable working to operator & improves the quality of welding.
- The operators with BSP-3AX type positioner, At center axis of worktable Workpiece can be precisely rotated over the command control at Clockwise (CW) or Counterclockwise(CCW) at specified speeds.

Technical Advantages :

- Birel Machinery as standard provides BSP-3AX models in capacities of 7,5 - 10 ton.
- Motor with brake and forced fan cooling.
- Welding Arc Group
- Allow quick connection of workpieces by using “ T ” slots on worktable(Optional)
- In special conditions, Out of these standard capacities, Birel Machinery, according to customer standards & requirements, has the opportunity of manufacturing possibility at different capacities.
- For any special request or project, Please do not hesitate to contact with us.

Bridge Type Head-Tail Stock Positioner Models ;

Model	Description	Up & Down Lifting		Control
		Threaded Shaft	Hydraulic	
BSP-3AX	Bridge Type Head-Tail Stock STANDARD Positioner Model	✓	x	PLC
BSP-H-3AX	Bridge Type Head-Tail Stock HYDRAULIC LIFT Positioner Model	x	✓	PLC
		① ✓ : Available x : Not Available		

Standard Features

- Capability of 360 degree worktable rotation.
- BSP-3AX.Vertical Movements by Threaded Shaft .
- BSP-H-3AX, Vertical Movements by Hydraulic Lifting
- Adjustable worktable rotation speed & Dijital display.
- 5 mt. Command Cable
- 5 mt.Power Cable
- Brake & Fan Cooled Motor
- Standard Machine Colors:
 - Chassis RAL 7011(Grey)
 - Sheet Covers:RAL 3002(Red)
- Power supply :380V -50 Hz. (3 phase)
- One (1) Year Warranty

Optional Control Units

Master Control



Foot Pedal



Overhead Hangable



Digital Control



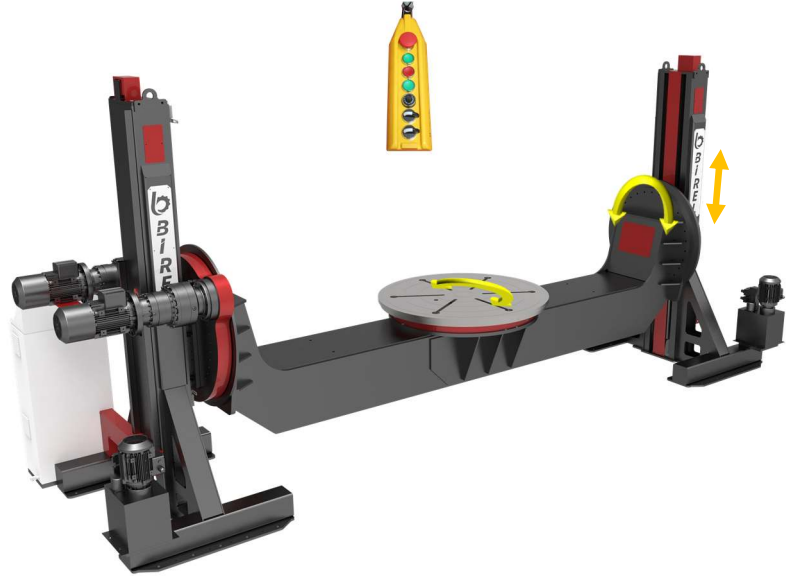
Remote Control



❖ All technical specifications are subject to change without prior notice.



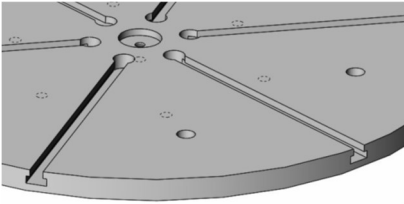
Application illustrations



Up and Down Movements by Hydraulic

OPTIONAL Modifications & Equipments

M01: Round WorkTable T – grooved Thick Plate



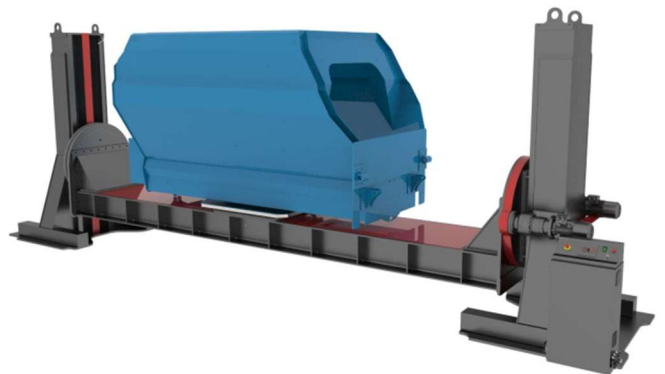
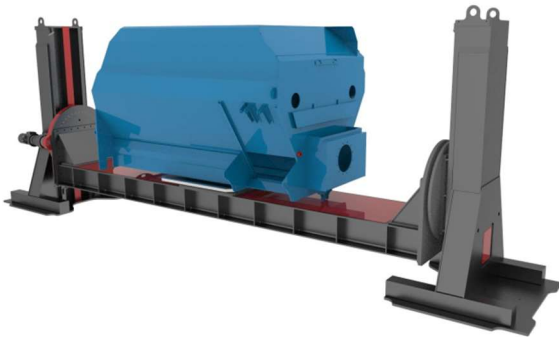
M02: Octagonal Table



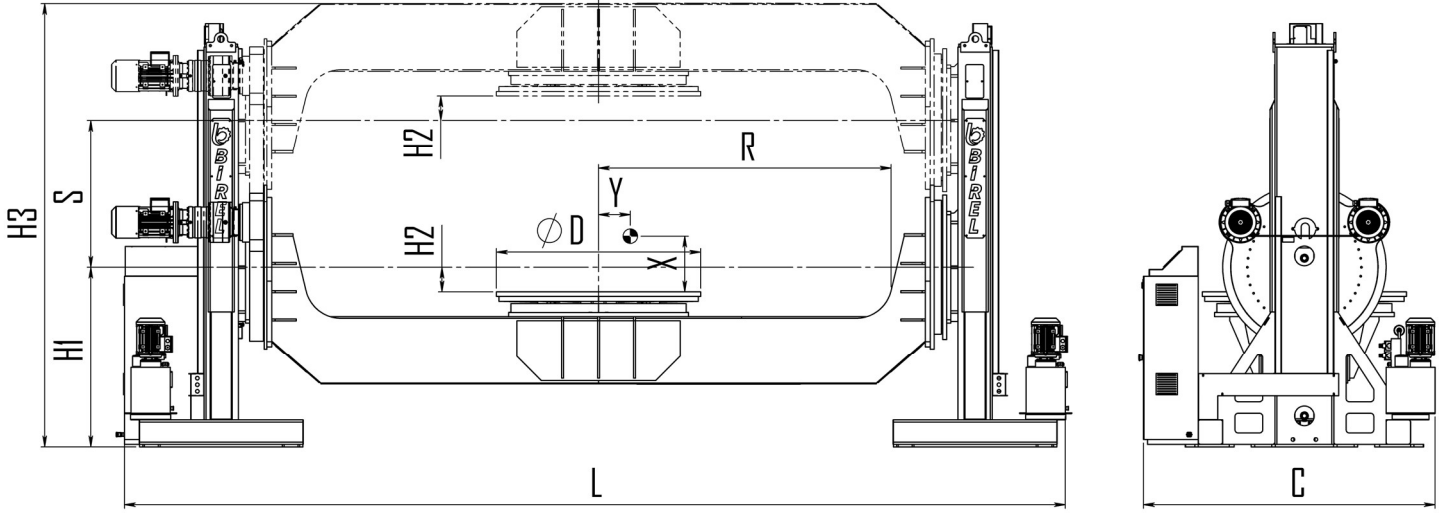
M03: Manual Chuck



M04: 3 Jaw Manual Pipe Chuck



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BSP-H-3AX
Application illustrations

Technical Details :

Model : BSP-H-3AX	Symb	Unit	BSP7,5H-3AX
Rolling Capacity		kg	7500
Rotation Speed		rpm	0,1– 0,6
Tilting Speed		rpm	0,1 – 0,67
Up & Down Time		sec	70
Rotational Torque		Nm	11250
Tilt Torque		Nm	26450
Offset	X - Y	mm	450 – 150
Table Plate Diameter	ØD	mm	1250
Working Radius	R	mm	1750
Max.Welding Current	A	Amp	1000
Tilt Center Height	H1	mm	1100
Table-Rotating Center Difference	H2	mm	150
Lifting Stroke	S	mm	900
Height	H3	mm	2720
Total Length	L	mm	5760
Total Width	C	mm	1950
Motor Power of Table		kW	1,1 x 1
Motor Power of Tilting		kW	2,2 x 2
Motor Power of Lifting		kW	2,2 x 2

↪ Out of these std. capacities, Birel Machinery, according to customer requirements, has the manufacturing possibility at different capacities, sizes.

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