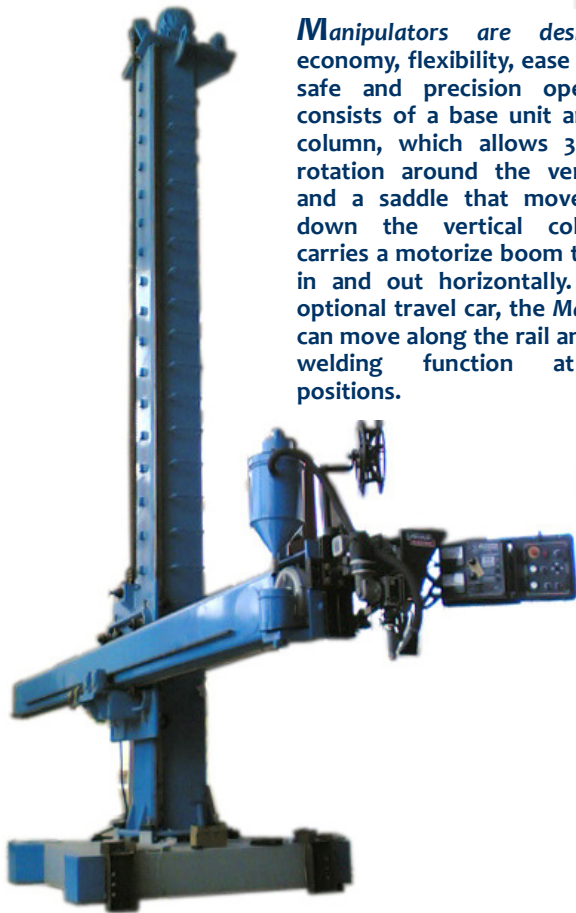


# Manipulators



*Manipulators are designed for economy, flexibility, ease of control, safe and precision operation. It consists of a base unit and vertical column, which allows 359 degree rotation around the vertical axis, and a saddle that moves up and down the vertical column and carries a motorize boom that moves in and out horizontally. With the optional travel car, the Manipulators can move along the rail and perform welding function at various positions.*

## Main Features

- ✓ Three axis movement, including vertical up/down, horizontal in/out and rotational adjustment
- ✓ Precision machined guide ways for vertical and horizontal movement
- ✓ Optimum design to minimize torsional load
- ✓ Anti-fall safety arrangement for boom with spring loaded catch safety lock

## Options

- Travel Car for movement on rails
- Welding equipment
- Flux recovery system
- Power slides

## Technical Specifications

Model		WCB-22S	WCB-33S	WCB-44S	WCB-55S
Boom drive		Powered			
Boom drive type		Rack & Pinion			
Variable speed control	mm/min	150-1,500	150-1,500	150-1,500	150-1,500
Boom travel distance	mm	2,000	3,000	4,000	5,000
Boom end load	Kg	100	250	300	450
Column rotation	Degree	359			
Anti-fall device		Standard			
Type of lift		Roller chain			
Lift speed	mm/min	750	750	750	750
Lift travel distance	mm	2,000	3,000	4,000	5,000
Overall height of standard column	mm	3,300	4,500	6,000	7,000
Shipping weight	Kg	1,300	1,800	3,800	5,400
Optional Travel car					
Travel car Variable speed range	mm/min	150-1,500	150-1,500	150-1,500	150-1,500
Shipping weight	Kg	1,300	1,800	3,800	5,400

*Note: Due to the continuous improvements of our products, the design and specifications are subjected to change without prior notice*

