

COLUMN AND BOOM (MANIPULATOR)

Welding Column and Boom is also called as a Welding Head Manipulator. The welding head is mounted at one end of the boom. The wire reel can be mounted at the front or at the rear end of the boom.

In Light Duty and Heavy Duty Models (up to 3 meter X 3 meter), the vertical movement is through Lead Screw.

In Medium & Heavy Duty Boom, the vertical movement is through Rack & Pinion with counter weight arrangement is provided for 'Fail Safe' anti-fall mechanisms in all model. Provision of anti-fall security is a standard feature in all models including Lead Screw driven ones.

The Horizontal Boom drive movement is through rack and pinion for all models.

Wide Based & Lockable 'Swivel Base to enhance Stability is provided in certain models .

Over rated, pre-loaded and dust protected bearing arrangements are provided .



NAME	MODEL	Column mm	Boom mm	Lifting Speed (mm/Min)	Retracting Speed (mm/min)	Pay Load in Kgs	Revolving Column	Movable Base
Light Duty	APCB 1010	1000	1000	1200	100 to 1500	80	Optional	Optional
	APCB 2020	2000	2000	1200	100 to 1500	80	Optional	Optional
	APCB 2030	2000	3000	1200	100 to 1500	80	Optional	Optional
Medium Duty	APCB 3030	3000	3000	600	100 to 1500	150	Optional	Optional
	APCB 4040	4000	4000	600	100 to 1500	150	Optional	Optional
	APCB 5040	5000	4000	600	100 to 1500	150	Optional	Optional
	APCB 6060	6000	6000	600	100 to 1500	150	Optional	Optional
Heavy Duty	APCB 4040	4000	4000	800	100 to 1500	300	Optional	Optional
	APCB 5040	5000	4000	800	100 to 1500	300	Optional	Optional
	APCB 6060	6000	6000	800	100 to 1500	300	Optional	Optional
	APCB 7070	7000	7000	800	100 to 1500	300	Optional	Optional
	APCB 8080	8000	8000	800	100 to 1500	300	Optional	Optional
	APCB 9090	9000	9000	800	100 to 1500	300	Optional	Optional
	APCB 100100	10000	10000	800	100 to 1500	300	Optional	Optional

NOTE : Options available. (a) Rotating base (b) Moving base (c) Manual or Motorized

Welding Automation Range of Products : • Welding Gun • Oscillator (weld weaver) • Cold wire feeders • Seam trackers • AVC • Cameras and video displays • X-Y slides (manual and motorized) • Welding turntables • Welding positioners • Welding Turning Rolls • Welding lathes • Column and boom (manipulators)

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Note : Specifications subject to change without notice