

COLUMN & BOOM (WELDING MANIPULATORS)

Warpp make welding manipulators are designed and manufactured to be used in welding application where long seam welding needs to be done and also used as a weld head locator in case of circular seam welding. Precision machined column and boom ensures smooth travel of boom, which makes it suitable for GTAW, GMAW and SAW applications. These manipulators are available in fixed column, 360° manual/motorized rotation and manual/motorized trolleys.

Features

- Well designed structure ensures maximum stability.
- Use of liner bearings in boom horizontal travel ensures smooth travel of the boom.
- Counter weight used for smooth vertical travel of the boom.
- Liner bearings used for smooth vertical of boom also for C & B upto 3x3.
- Precision geared motor with highly accurate rack
- AC motor with variable frequently drive gives steeples adjustment of speed of boom travel.
- Anti fall mechanism provided for C&B above 3M x 3M size
- Slew Bearings used for swivel of the column.
- Cable drag chain used for cables
- Limit switches used for safety.

Technical Specifications

Model	2 X 2	3 X 3	4 X 4	5 X 5
Column Height (mm)	3600	4700	6000	7800
Boom Length (mm)	3350	4450	5750	6950
Effective vertical boom travel (mm)	2000	3000	4000	5000
Effective horizontal boom travel (mm)	2000	3000	4000	5000
Lifting Speed of Boom (m/min)	1	1	1	1
Travel Speed of Boom (m/min)	0.1 - 1.4	0.1 - 1.4	0.1 - 1	0.1 - 1
Foundation Plate (L X W)	700 x 700	1000 x 1000	1500 x 1500	2000 x 2000
Boom Lifting Motor (KW)	0.5	0.75	1	1.1
Boom Travel Motor (KW)	0.25	0.25	0.5	0.5
Input Supply	3 Phase, 440 V AC			

