

## COLUMN AND BOOM ( WELDING MANIPULATOR)



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 degree manual / motorised rotation and manual / motorised trolley



## 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 vertical travel of boom also
- Precision geared motor with highly accurate rack
- AC motor with Variable frequency drive gives steeples adjustment of speed of boom travel
- Anti fall mechanism provided for C&B above 3Mx3M size
- Slew Bearings used for swivel of the column
- Cable drag chain used for cables used for cables
- Limit switches used for safety

## Technical specifications

MODEL	2 X 2	3 X 3	4 X 4
Column Height (mm)	3500	4500	5400
Boom Length (mm)	4000	5000	6000
Effective vertical boom trave (mm)	2000	3000	4000
Effective horizontal Boom Travel (mm)	2000	3000	4000
Lifting Speed Of Boom (m/min)	1	1	1
Travel Speed Of Boom (m/min)	0.1-1.2	0.1-1.2	0.1-1.2
Foundation Plate (L X W)	700 X 700	1000 X 1000	1200 X 1200
Boom Lifting motor (KW)	0.5	0.75	1
Boom Travel motor (KW)	0.25	0.5	0.5
Input Supply	3 Phase, 440 V AC		

Specifications are subjected to change without notice