



ALL TIME

Manipulator

All Time CT manipulator consists of a saddle that rides up and down on a column. The saddle carries a boom that can extend out horizontally from the column.

Welding head with different weld gears for TIG, MIG or SAW can be mounted on either ends of the boom and located to the desired position for welding.

Welding Process

TIG, PAW, MIG, FCAW, SAW



Features:

- 1) Combined Box & I beam boom section with hardened guide ways to assure accurate travel and minimize deflection
- 2) Dual boxes structure saddle to keep deflection to the minimum.
- 3) Anti-fall device to prevent saddle from falling in case of failure.
- 4) Manual column 360° rotation with kingpin base. Powered rotation is available as option
- 5) Manual or power driven 4WD travel cars on floor mounted rails to provide linear movement of the manipulator
- 6) Chain lift elevation mechanism with 10:1 safety factor, anti fall device is applied as added-precaution
- 7) Integrated electrical control for system components and weld gears (power supply, solenoid, flux recover units etc.)
- 8) PLC base touch screen control option is available for weld parameter programming

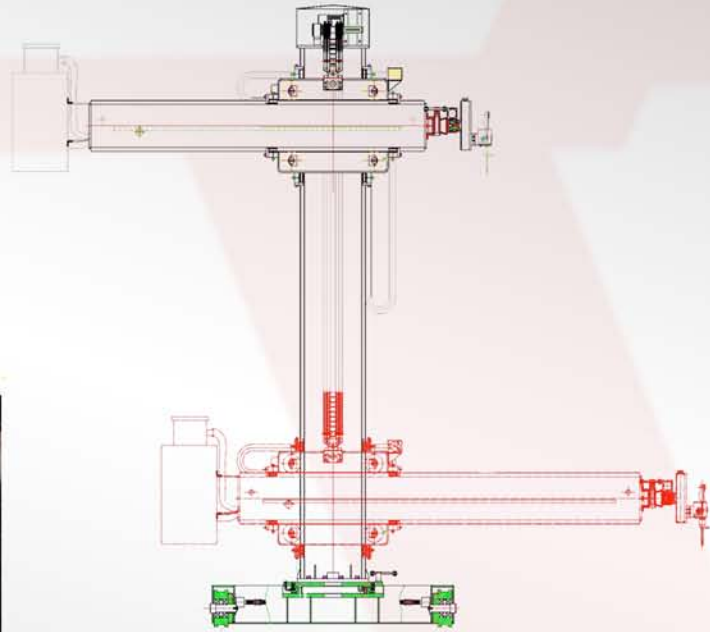
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VERSIONS OF MANIPULATOR:

- 1) CTM - Light version (MIG & TIG)
- 2) CTS - Standard version (SAW)
- 3) CTH - Heavy version configured with an operating platform/ seat at the end.

SYSTEM COMPONENTS:



Technical specification:

Effective Lift and Reach (m)		1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8
Model	Boom End Loading (kg)								
	CTM	75	100	150	150	150			
	CTS				350	350	250	250	
	CTH					600	500	500	400

Effective Lift and Reach (m)	1 x 1	2 x 2	3 x 3	4 x 4	5 x 5	6 x 6	7 x 7	8 x 8
Boom Travel (mm/min)	70 – 1500							
Boom lift (mm/min)	740			1000				
Travel car (mm/min)	3000		2500			2000		
Rotation (rpm)	0.2			0.1				

* Models and specifications subject to change without notice.