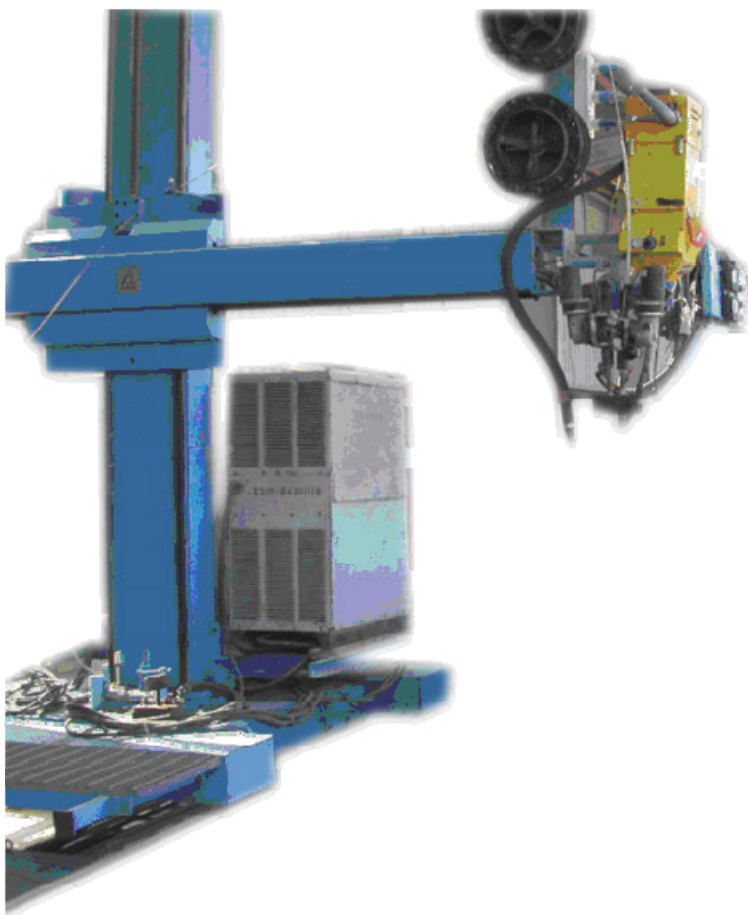


WELDING MANIPULATOR AUTOMATION CENTER



TM series Column & Boom heavy-duty welding manipulator is a widely used automatic welding assistant. By vertical and horizontal travel of the boom, rotation of the column as well as travel of the base cart, the manipulator can work with automatic welding machine, roller bed or welding positioner to form a welding automation center, and weld longitude and circumferential seam in boiler, pressure vessel, petrochemical, shipyard, car and steel fabrication industries.

Horizontal travel of boom is driven by skew worm gear reducer and gear/ rack couple. AC variable frequency motor enables stepless speed adjustment in larger range.

Motor driven cross slide mounted in the end of the manipulator enables fine adjustment of the welding head.

Column is designed with internal protective cavity to protect the counter-balance weight from sticking. And there is additional safety detent device to double protect the boom from falling in case of broken chain ..

The TM series manipulator is designed to work with SAW welding system from Lincoln, Miller, ESAB, and there are many options like automatic seam tracking system (AST), welding process monitor system, flux recovery system and head swing system, you can customize the system to meet your special requirements.

Please feel free to contact us for further information.

SPECIFICATIONS

Model	Reach travel effective distance (MM)	Reach speed (MM/MIN)	Lift effective distance (MM)	Lift speed (MM/MIN)	Column rotation	Car travel speed (MM/MIN)
TM 2015	2000	100-2500	1500	1000	360°	3000
TM 3020	3000	100-2500	2000	1000	360°	3000
TM 4030	4000	100-2500	3000	1000	360°	3000
TM 6050	6000	100-2500	5000	1000	360°	3000
TM 7040	7000	100-2500	4000	1000	360°	3000
TM 8045	8000	100-2500	4500	1000	360°	3000
	8000-12000	Customized design, please contact us for more information				