



WELDING &
POSITIONING

Cricket-II™

WELDING MANIPULATOR



SIMPLY BETTER BUILT.



CRICKET-II

WELDING MANIPULATOR

- ☒ 500 pound load capacity
- ☒ NEMA 12 electricals
- ☒ Optional x-base or travel car available
- ☒ Optional mast rotation
- ☒ Manual rack & pinion reach with optional powered reach
- ☒ Cam roller guidance on lift and reach axis
- ☒ Ball screw with integrated anti-fall mechanism
- ☒ Cable management either through or over top of boom

SteadyMax™ for consistent arc stability

The Koike Aronson medium-duty ball screw manipulators can be utilized for specific applications, such as simple straight-line or circumferential welding. The Boom or Ram end is preconfigured to accept cross slides and standard wire feeders.

All manipulators come standard as floor mount, with self standing bases, manual mast rotation, and manual or powered travel cars. Complete welding packages can be Koike supplied and Koike mounted, customer supplied and Koike mounted, or customer supplied and mounted.

Cross slides and welding equipment packages are just some of the options available.

Lift and reach ranging from 6 ft to 10 ft



Standard hand pendant provided with all models

OPTIONS

Digital Speed Control



The independent hand held touch screen Human Machine Interface (HMI) communicates with VFD drive on the positioner, and provides real-time display of linear speed for the reach axis. Additionally, the HMI can command the linear speed target, either user set or on the fly adjustment.

Cross Slides



Cross Slide (standard)
Manual and powered cross slides available. Allows the operator to drive weld head up/down or left/right with hand wheels or powered joystick control. Standard 6 in x 6 in and 10 in x 10 in versions available.

Cross Slide Plus™
A multi-purpose mechanized cross slide with oscillator integration in one. It eliminates the need to purchase the cross slide and oscillator separately.

Mast Rotation



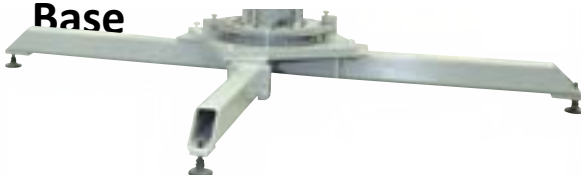
Provides mast rotation allowing the operator to swing the Boom out of the work area or work between two stations with one manipulator.

Travel Cars



Powered and manual travel cars can be used for long seam welding or moving a manipulator from seam to seam.

Base

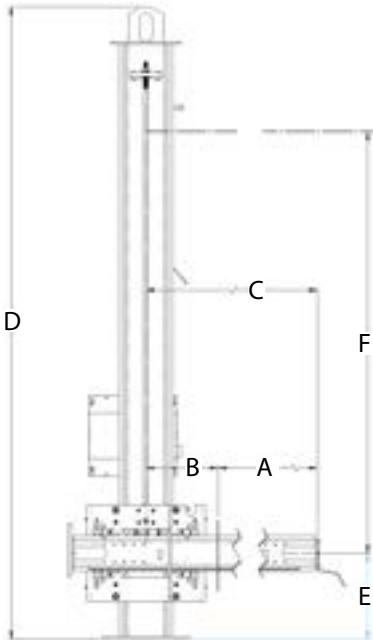


Free standing x-frame base available for easily moving and repositioning manipulator location.

CRICKET-II SPECIFICATIONS

MODELS 66 to 1010

Model	66	88	1010	1212
Reach travel speed	12 1/2 - 125 IPM	12 1/2 - 125 IPM	12 1/2 - 125 IPM	12 1/2 - 125 IPM
Capacity	500 lbs	500 lbs	500 lbs	300 lbs
Reach motor	1/3 hp	1/3 hp	1/3 hp	1/5 hp
Dim A: Standard reach travel	6 ft	8 ft	10 ft	12 ft
Max. reach travel	6 ft	8 ft	10 ft	12 ft
DIM B: Standard Min. reach distance from CL of Mast	15 3/4 in	15 3/4 in	15 3/4 in	15 3/4 in
DIM C: Standard Max. reach distance from CL of Mast	87 3/4 in	111 3/4 in	135 3/4 in	159 3/4 in
Boom mounting plate dimensions	3/4 x 8 x 12 in	3/4 x 8 x 12 in	3/4 x 8 x 12 in	3/4 x 8 x 12 in
DIM D: Standard height overall (HOA) from floor to top of machine	120 in	144 in	168 in	192 in
Lift speed IPM	20 IPM	20 IPM	20 IPM	20 IPM
Lift motor HP	1/2 hp	1/2 hp	1/2 hp	1/2 hp
DIM E: Min lift height from floor to CL of Boom	20 in	20 in	20 in	20 in
Max. lift travel	6 ft	8 ft	10 ft	12 ft
DIM F: Standard lift travel distance from CL of Boom	6 ft	8 ft	10 ft	12 ft
Base dimensions	1-1/4 x 30 x30 in	1-1/4 x 30 x30 in	1-1/4 x 30 x30 in	1-1/4 x 30 x30 in
Standard machine voltage	115/1/60	115/1/60	115/1/60	115/1/60



*All dimensions are for reference only and subject to change without notice.
Maximum load in pounds on either or split between both ends of boom.

