

Wolf Vector Track Systems



Numerous configurations are available depending on the application and parts requirements.

Expand the work envelope of your welding robot-

The Wolf Vector Track System is designed for increasing the work envelope of your welding robot without sacrificing accuracy, speed or motion. With track lengths from 14'-5" to over 100 feet you can purchase just what you need and add more at a later date.

In addition, you can increase the vertical motion by adding a stationary or rotating column to the track carriage. The column can also include a vertical hoist to reach even the largest workpieces imaginable. All axes are servo controlled for precision movement and a repeatability of ± 0.004 " (0.10 mm).

The Wolf Vector Track System is integrated to the robot controller and provides coordinated motion between the robot and the track system.

The Vector Track Column is a very rigid structure, with the vertical boom and horizontal robot mounting arm constructed from closed box sections for minimum deflection and vibration.

STANDARD FEATURES

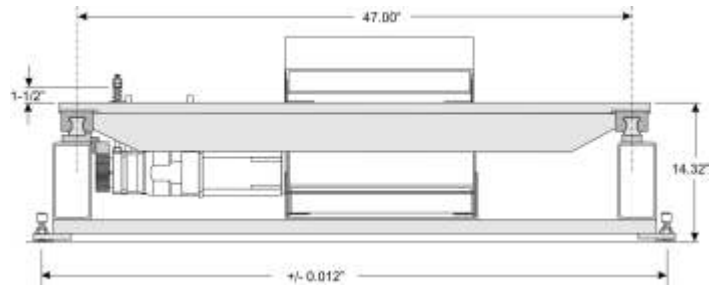
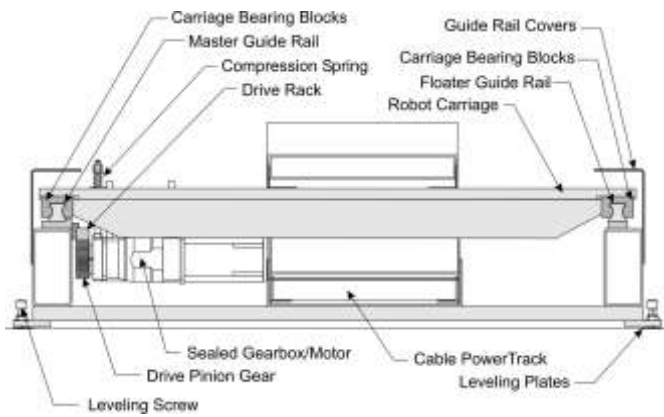
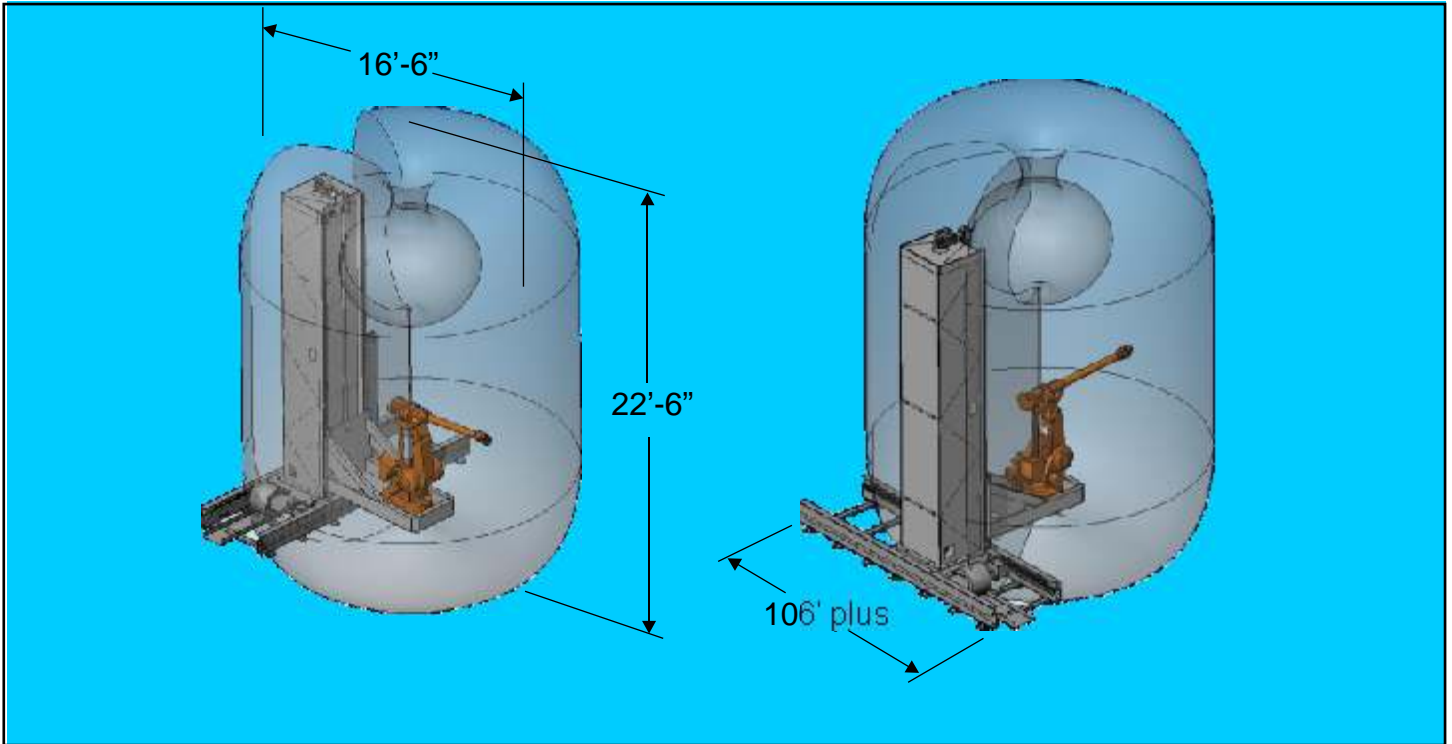
- Massive Work Envelope (22'-6" vertical x 16'-6" dia. x 100 feet plus in length)
- 2 Servo Controlled Axes
- Extended Robot Reach
- Coordinated Motion
- Precision Movement (± 0.004 " repeatability)
- IRB 4400 Robot
- Track Lengths from 14'-5" to 106'
- Powertrack System for Hose & Cable Protection

OPTIONAL FEATURES

- Rotating Column Assembly
- Additional Servo Axes of Movement
- Welding Wire Carrier
- Process Tool Changers
- Safety Fencing
- Light Curtains



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Max travel speed

Track Axis
0.6 m/s with 3300 rpm motor

Hoist Axis
100mm/s with 3000 rpm motor

Time for positioning:

Positioning time at max. speed, acceleration and retardation time included:

Transport length	0.5 meter	2 seconds
	1 meter	3 seconds
	2 meter	5 seconds

Positioning repeatability <+/- 0.004" (0.1 mm)



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