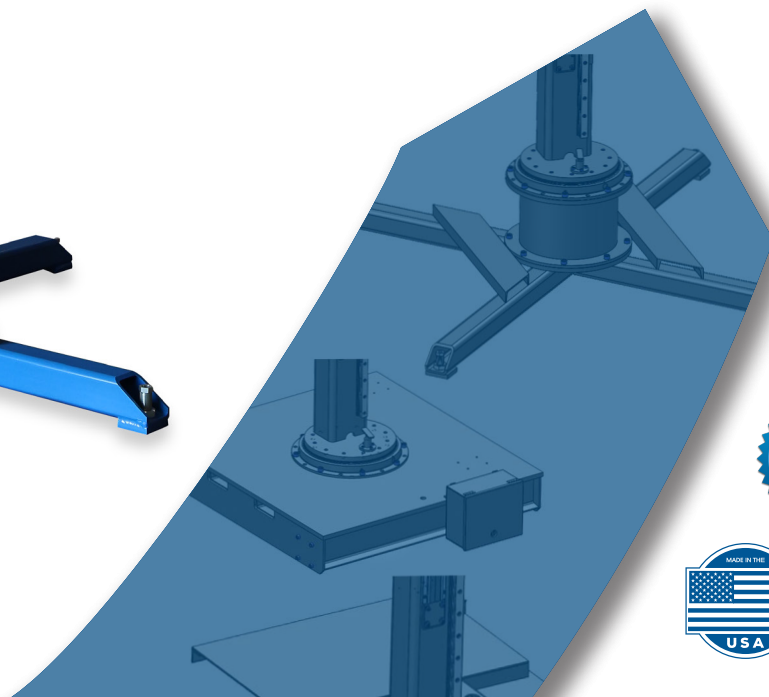
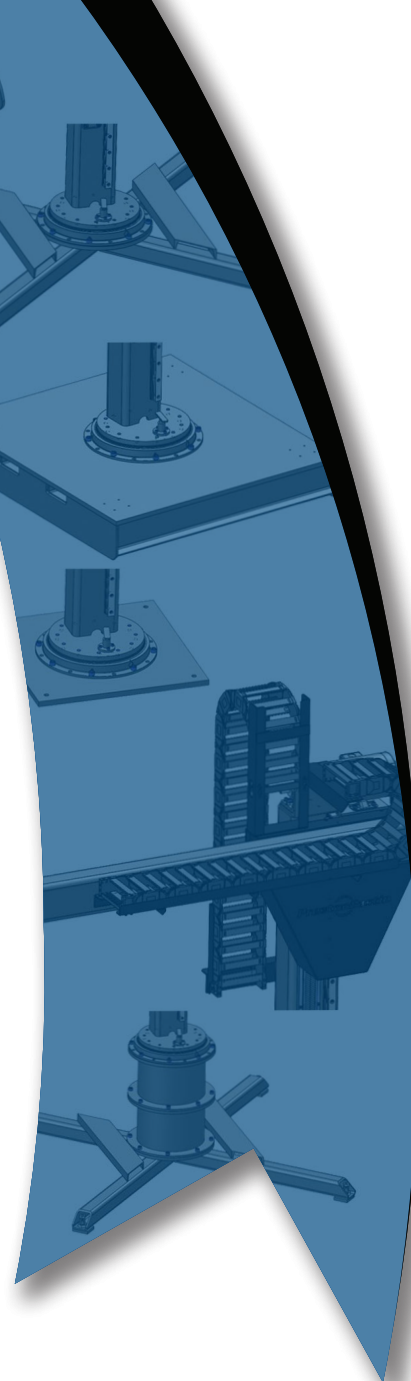




*Positioning Solutions since 1972*

# **Whitetail**

*200 Series  
Manipulator*

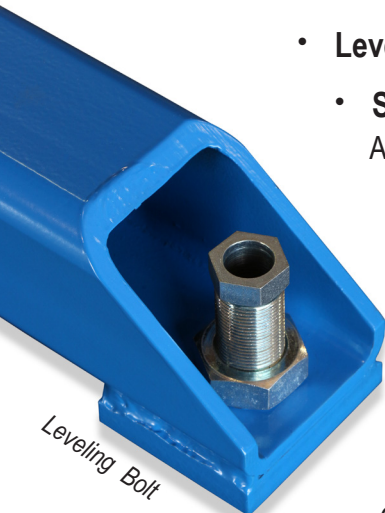


# Whitetail

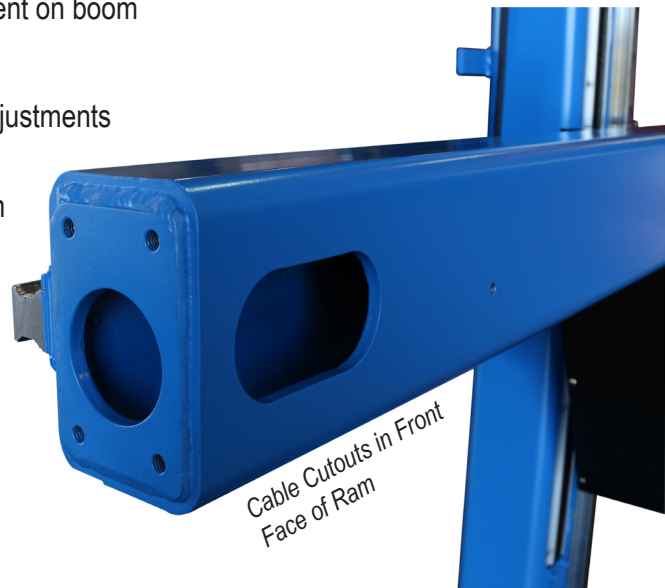
## 200 Series Manipulator

### Features & Benefits

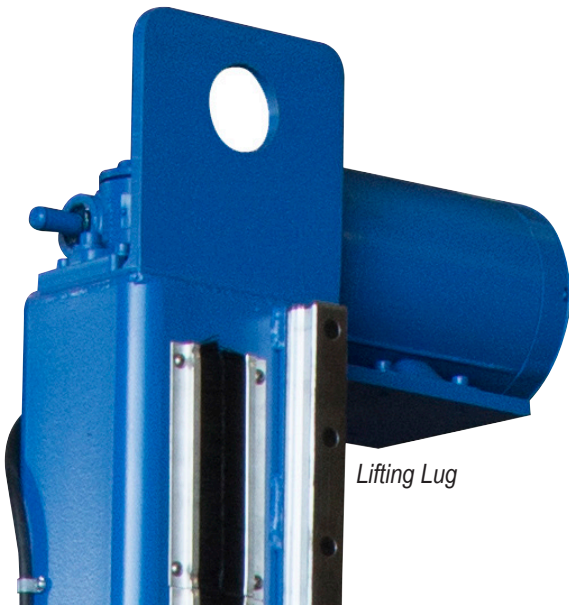
- **Leveling Bolt** – Allows precise leveling of unit with X-Base
- **Simplified Single Plate Saddle Design**  
Allows for open surfaces on top and front of ram for mounting of fixed equipment.
- **Predrilled Weld Head Mounting Bracket**  
Easily bolts on to adaptors based on your weld head without additional drilling.
- **Linear Rail/Bearing Guideways (One Rail Per Axis)** – Simplifies installation.
- **Enclosure Mounted to Mast**  
Simplified access limiting vertical movement on boom
- **Helical Rack/Pinion on Ram/Boom**  
Quiet and smooth running. Allows more precise adjustments
- **Cable Cutouts in Front Face of Ram/Boom**  
Allows for routing of cables with equipment mounted to end of ram
- **Machine Screw Jack Lift Mechanism**  
Increases safety because load is in constant tension



Leveling Bolt



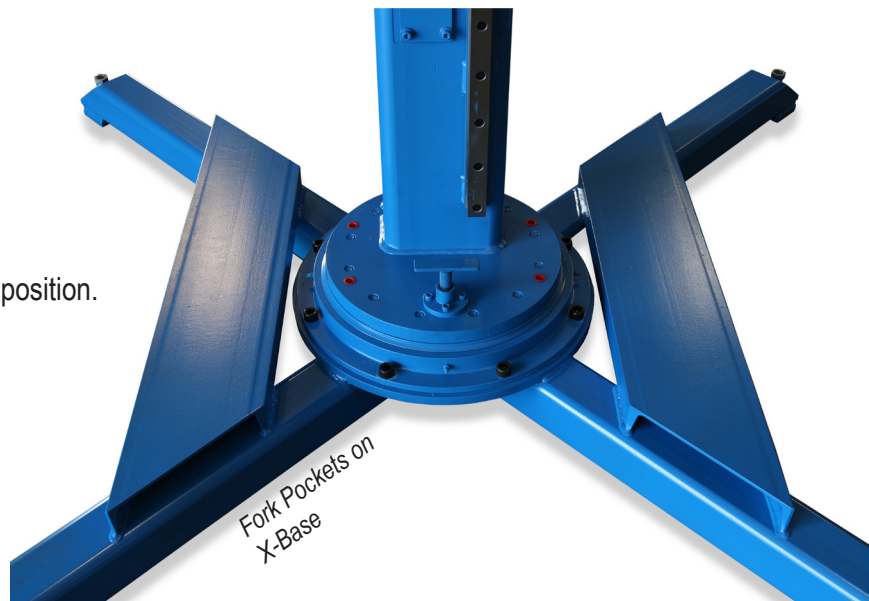
Cable Cutouts in Front Face of Ram



Lifting Lug

- **Fork Pockets on X-Base and Lifting Lug**  
Allows unit to be moved by forklift or crane.
- **Motor Limit Switch** – Prevents damage to unit.

- **Assembled Height**  
Six foot unit has a low profile mast for shipping in up right position. 8x8 ships disassembled.
- **Rotational Bearing Ring**  
Simplifies assembly versus previous spindle design

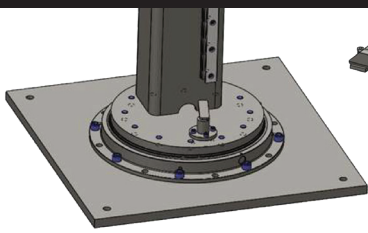


Fork Pockets on X-Base

**PrestonEastin** offers four base options to meet your application need

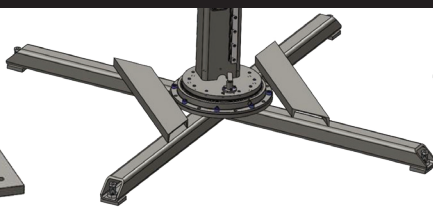
## Options

**Anchor Plate**



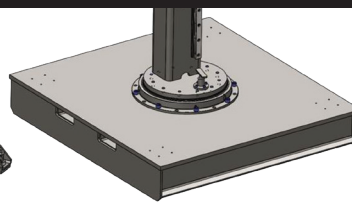
Cost effective solution; The 30"x30" flat plate with anchor holes for installing manipulator in a fixed location. Smaller footprint than the x-base, but **MUST BE ANCHORED TO THE FLOOR**.

**X-Base**



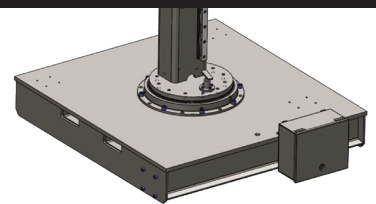
Freestanding base option; includes leveling bolts w/thru holes for anchors. Anchoring is recommended. Includes fork lift pockets for ease of positioning.

**Manual Travel Car**



Travels along one axis, forward and back. Will work unguided on a flat concrete floor, or guided on a 39" C/L v-groove track. Includes fork lift pockets for ease of positioning.

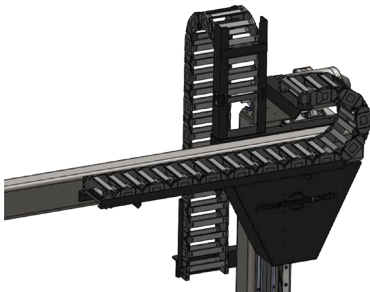
**Powered Travel Car**



Travels along one axis, forward and back. Will work unguided on a flat concrete floor, or guided on a 39" C/L v-groove track. Includes fork lift pockets for ease of positioning. 120v 1ph AC powered with hand pendant control.

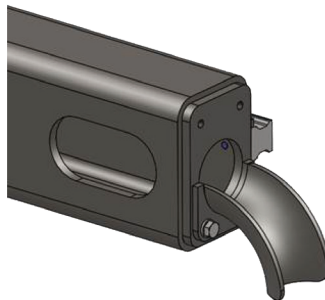
## ACCESSORIES

**Cable Carrier Set**



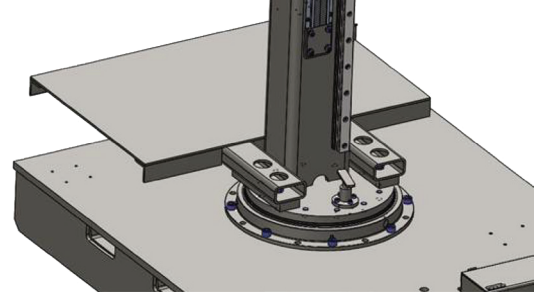
For cable installation; includes brackets and cable carriers for mast and ram; Cable opening 1.6" x 6.6".

**Cable Strain Relief**



For supporting cables installed through the end of the ram; can be mounted to Whitetail MA200 Series and Medium Duty Manipulators.

**Power Supply Shelf**



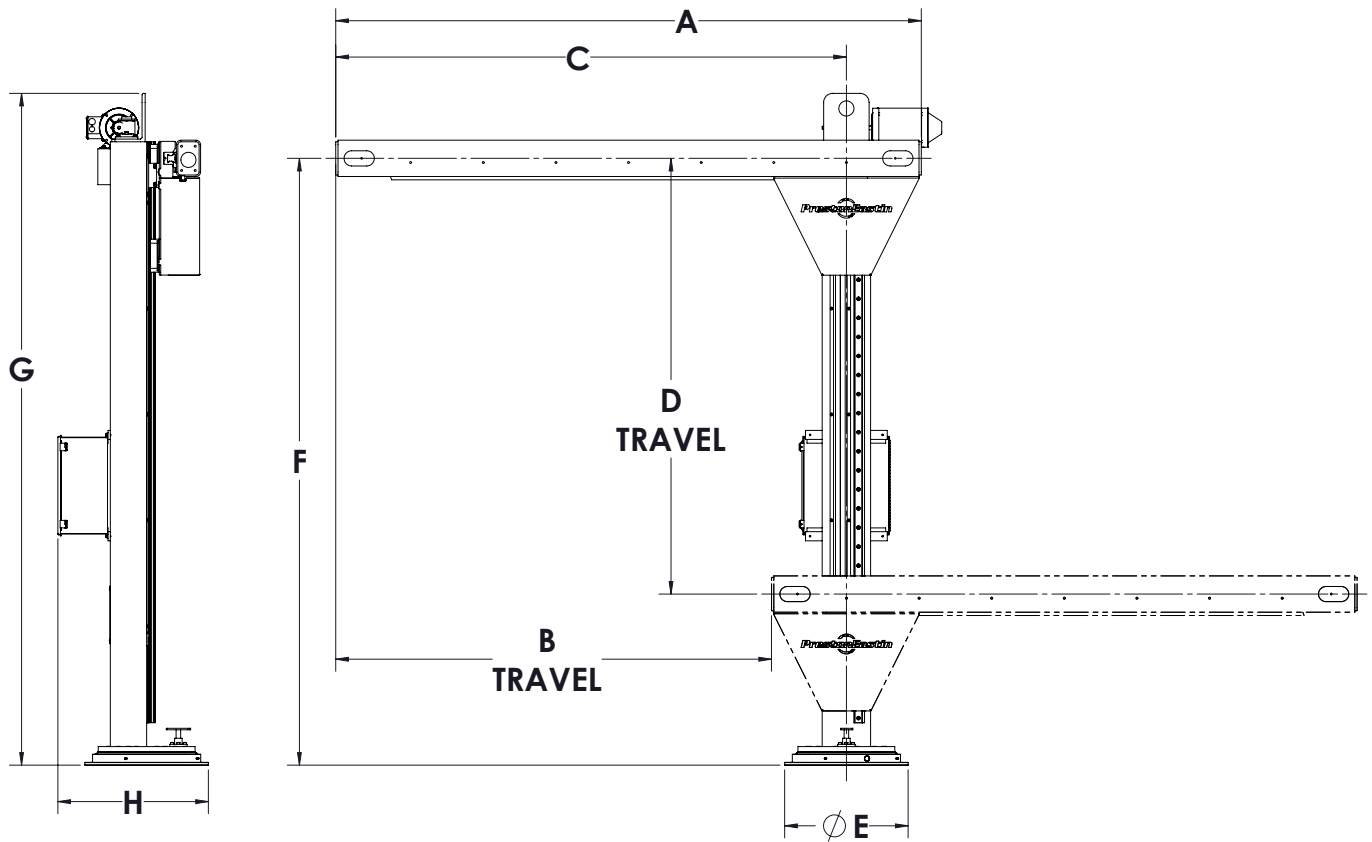
For mounting of welding power supply; 36"x24" platform; Rotates with manipulator.

**12-Inch Riser**



Installs between manipulator rotational bearing ring and any of the four base options; Adds 12" of overall height to the manipulator; Can be stacked two high (maximum 24" height addition).

# SPECIFICATIONS



## MA200 Dimensions

Model	Size	A	B	C	D	E	F	G	H
MA200-66	6 x 6	96.75 in.	6 ft.	84.4 in.	6 ft.	20.4 in.	100.3 in.	111 in.	25 in.
MA200-88	8 x 8	120.75 in.	8 ft.	108.4 in.	8 ft.	20.4 in.	124.3 in.	135 in.	25 in.

*Note: Dimensions shown do not include height of optional bases.*

### Standard Specifications:

**Rating:** 200 lbs on either or both ends

**Lift Motor:** ½ HP Inverter-Duty AC Motor

**Ram Motor:** 1/6 HP Inverter-Duty AC Gearmotor

**Mast:** Up-Off-Down

**Base Rotation:** Manual with Swivel Lock

**Ram:** Forward-Off-Reverse (Variable Speed)

**Horizontal Ram Speed:** 6-118 inches per minute

**Vertical Mast Speed:** 36 inches per minute

**Hand held pendant**

**Input Voltage:** 115V

### Standard Base Options:

**Anchor Plate** – This is a cost effective flat anchor plate for installing manipulator in a fixed location; Footprint is smaller than the x-base, but **MUST BE ANCHORED TO THE FLOOR**

**X-Base** – Freestanding base includes leveling bolts w/thru holes for anchors. Anchoring is recommended. Includes fork lift pockets and lifting lug for ease of positioning

**Manual Travel Car** – Will work unguided on a flat concrete floor, or guided on a v-groove track. Includes fork lift pockets for ease of positioning

**Powered Travel Car**– Travels along one axis, forward and back. Will work unguided on a flat concrete floor, or guided on a v-groove track. Includes fork lift pockets and lifting lug for ease of positioning. Powered Travel Car 120v 1ph AC powered with hand pendant, Variable speed; 3-60 inches per minute.

### Available Options:

**Cable Carrier Set** – For installation of supply cables; Includes brackets and cable carriers for mast and ram; Cable opening 1.6" x 6.6"

**Cable Strain Relief** – For supporting supply cables installed through the end of the ram/boom

**12" Riser** – Installs between manipulator swivel bearing and any of the four base options; Adds 12" of overall height to the manipulator; Can be stacked two high (maximum 24" height addition)

**Power Supply Shelf** – For mounting customer welding power supply; Attaches above swivel bearing and rotates with mast



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