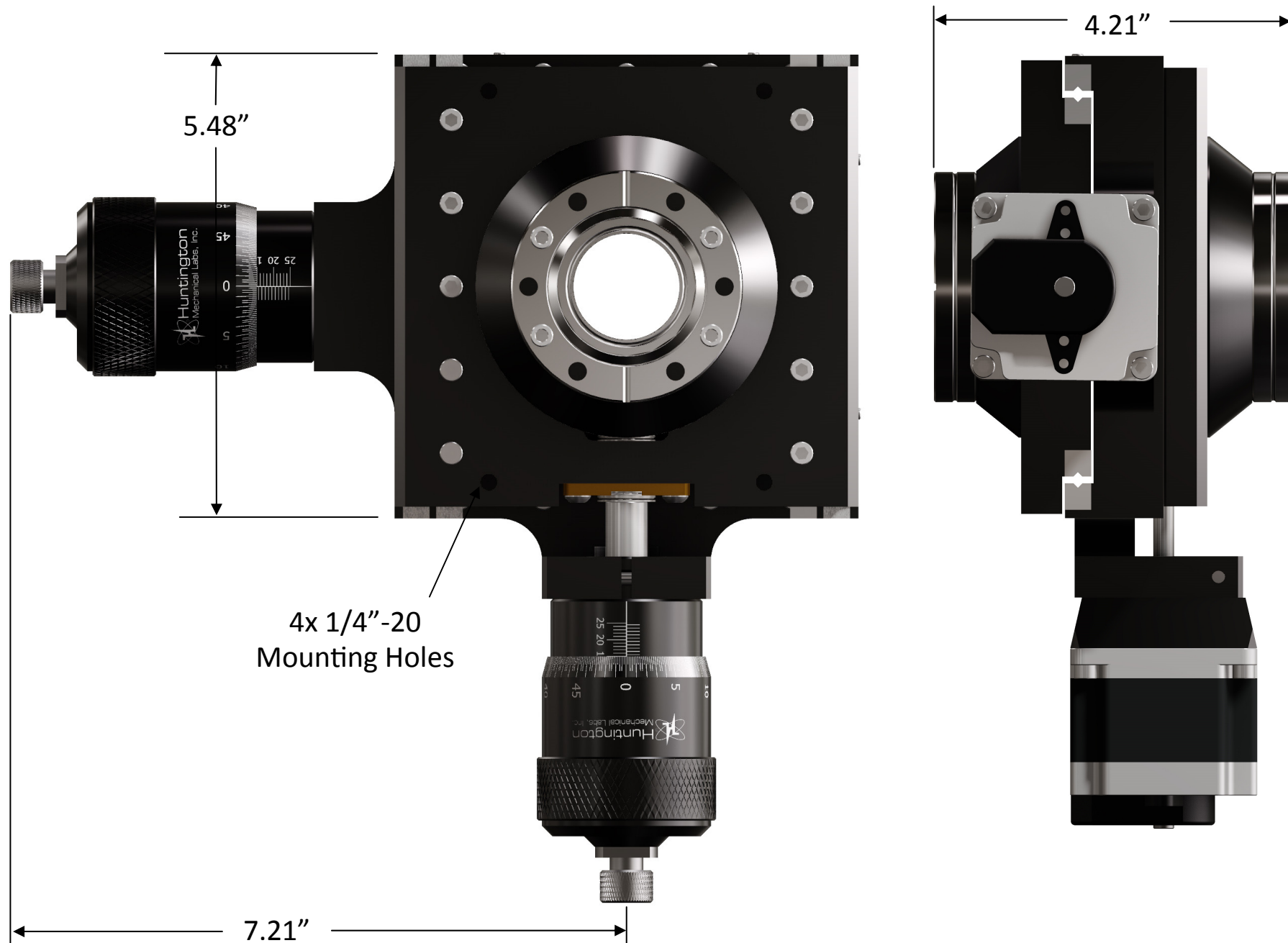


**Specifications**

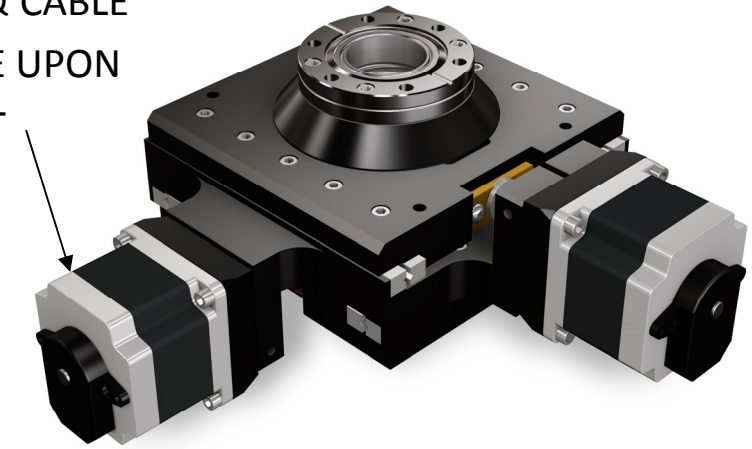
**Sealing Mechanism:** Welded Bellows  
**Material Exposed to Vacuum:** Stainless Steel (Bellows)  
**Bellows ID:** 1.25" (31.8mm)  
**Bakeout Temperature:** 200°C (Micrometers removed)  
**Operating Temp:** -20° to 80°C (Motorized)  
**Pressure Range:** Atmosphere To 1 x 10<sup>-11</sup> Torr (Bellows)

**Operating Load:** 50 lbs.  
**Micrometer:** Motion: +/- 12.5 mm or .5"  
 Resolution: .002 mm or .0001"  
**Flanges:** Tapped, 1/4"-28  
**Motorized Accuracy:** 51,200 microsteps/revolution  
**Stepper Motor:** 1.8° -full step

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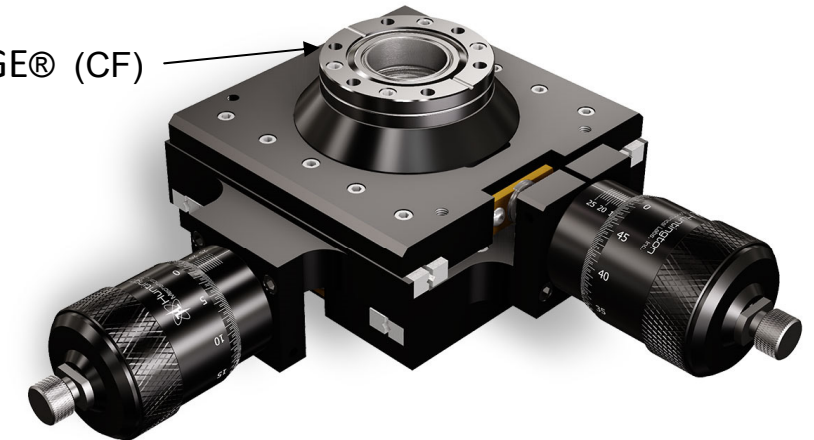


OPTIONAL ENCODERS,  
 CONTROLLERS & CABLE  
 SETS AVAILABLE UPON  
 REQUEST



MOTORIZED OPERATION

2-3/4"  
 VAC-U-FLANGE® (CF)



MANUAL OPERATION

DESCRIPTION	WEIGHT (lbs.)	PART NUMBER
Metric micrometer driven X-Y Manipulator <b>without</b> Bellows	7.0	TS-275
Micrometer driven X-Y Manipulator, Tapped Flanges, with Bellows	7.5	TS-275-155
<b>Motorized</b> X-Y Manipulator, Tapped Flanges, with Bellows	7.9	MTS-275-155

*Other options available. For quotes, please call 800-227-8059 or visit our website at [www.huntvac.com](http://www.huntvac.com). Email: [vacman@huntvac.com](mailto:vacman@huntvac.com)*

		13355 NEVADA CITY AVENUE GRASS VALLEY, CA. 95945	
MANIPULATOR, X-Y AXIS, U.S. STANDARD, COMPACT			
B	DWG. (M)TS-275(-XXX) OUTLINE	REV. B	
SCALE: NO SCALE		SHEET: 1	OF 1