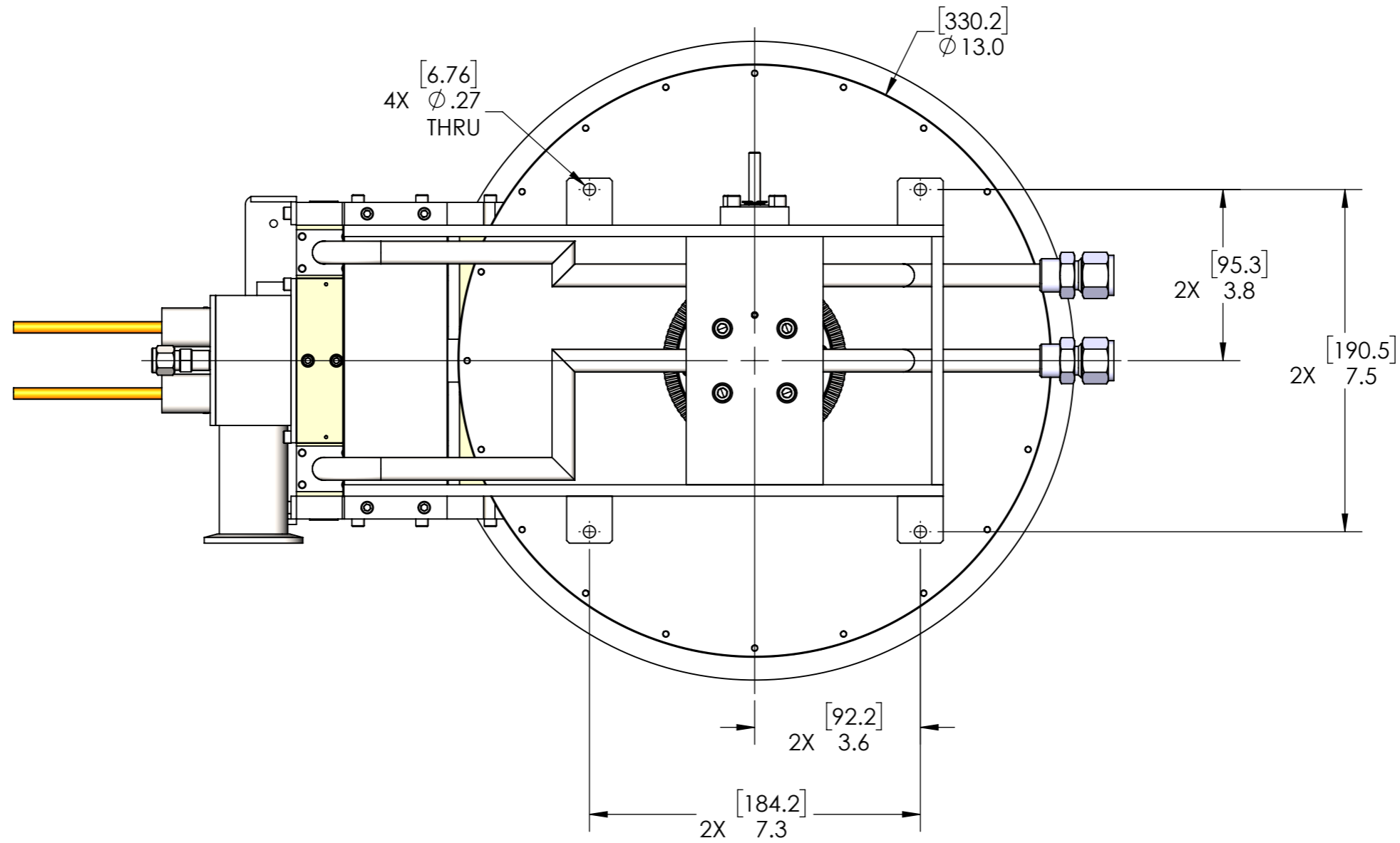



- FEATURES:**
- \*PROPRIETARY ANTI-BEAM CURL SHIELD FOR LONGER MORE PRODUCTIVE RUNS
  - \*RUGGED DRIVE MECHANISM TO PREVENT JAMMING
  - \*PLUG-IN EMITTER MODULE
  - \*PRLONG SWEEP COIL LIFE, ENHANCED HIGH-STABILITY COOLING
  - \*BUILD IN CROSS-CONTAMINATION SHIELDING (MULTI-POCKET VERSION)
  - \*EASY ACCESS (WITHOUT DISASSEMBLY) TO MAGNETIC ADJUSTMENTS
  - \*ADJUSTABLE POLES TO CHANGE ELECTRON BEAM SHAPE AND SIZE
  - \*OPTIONAL INCREASED RUN-TIME FEATURES: DIFFERENTIAL PUMPING, GAS BLEED AND DUAL FILAMENTS
- SPECIFICATIONS:**
- \*OPERATING PRESSURE: BELOW  $5 \times 10^{-5}$  TORR IS DESIRABLE FOR BEST OPERATION
  - \*BEAM VOLTAGE: 10,000 VDC
  - \*BEAM CURRENT: 0-1500 mA CONTINUOUSLY VARIABLE
  - \*MAXIMUM POWER: 15 kW
  - \*COOLING WATER: ~3.5 GPM
  - \*PRESSURE DIFFERENTIAL: 25 PSI MINIMUM
  - \*CRUCIBLE VOLUME: UP TO 1,500cc CAROUSEL OR UP TO 10X 75cc MULTI-POCKET

NOTE:  
1. DIMENSIONS IN [X.XX] ARE IN mm.

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TLI ENTERPRISES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THERMIONICS LABORATORY INC. IS PROHIBITED.

DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ± .5° ONE PLACE DECIMAL ± .1 TWO PLACE DECIMAL ± .01 THREE PLACE DECIMAL ± .005 SURFACE FINISH 63 R.M.S.		FINISH:				DO NOT SCALE DRAWING		REVISION	
DESIGN/ENG.		NAME				SIGNATURE		DATE	
CHK'D		APPV'D		MFG		Q.A		MATERIAL:	
APPV'D		MFG		Q.A		MATERIAL:		TITLE: <b>ICR e-GUN, 10X 40cc OUTLINE DRAWING, PINION DRIVE, EXTENDED POLES, 4:1 GEAR RATIO</b>	
MFG		Q.A		MATERIAL:		WEIGHT: ~136 lbs.		SCALE: 1:4.5	
Q.A		MATERIAL:		WEIGHT: ~136 lbs.		SCALE: 1:4.5		SHEET 1 OF 2	
MATERIAL:		WEIGHT: ~136 lbs.		SCALE: 1:4.5		SHEET 1 OF 2		DWG NO. ICR-1040-10	
WEIGHT: ~136 lbs.		SCALE: 1:4.5		SHEET 1 OF 2		DWG NO. ICR-1040-10		A3	



DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± BEND ±.5° ONE PLACE DECIMAL ±.1 TWO PLACE DECIMAL ±.01 THREE PLACE DECIMAL ±.005 SURFACE FINISH 63 R.M.S.		FINISH:	 <b>thermionics laboratory, inc.</b>		DO NOT SCALE DRAWING	REVISION
<p><b>thermionics laboratory, inc.</b> 3118 Depot Rd., Hayward Ca. 94545</p>					<p>TITLE: <b>ICR e-GUN, 10X 40cc OUTLINE DRAWING, PINION DRIVE, EXTENDED POLES, 4:1 GEAR RATIO</b></p>	
DESIGN/ENG.	NAME	SIGNATURE	DATE	USED ON	NEXT ASSY.	<p>DWG NO. <b>ICR-1040-10</b></p> <p>A3</p>
CHK'D					GEN. USE	
APPV'D						
MFG						
Q.A						
				MATERIAL:		
				WEIGHT: ~136 lbs.		
				SCALE: 1:3		SHEET 2 OF 2

**PROPRIETARY AND CONFIDENTIAL**  
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF TLI ENTERPRISES, INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THERMIONICS LABORATORY INC. IS PROHIBITED.