

Updates on McMillan electron gun procurement

Overall status of procurement

We are procuring parts to build an electron gun with a McMillan beam profile. We are sourcing from three different companies:

Description	Company	Price	Status
Parts for ONE TEL01 style electron gun.	Meyer Tool and Manufacturing	\$ 88250	PO 712299 awarded. Promise date: 08/22/24
TWO cathode/heater assemblies with bell jar measurements.	Heatwave Lab	\$ 30231 -> \$ 42562	REQ 356478. RFQ/RFP released. Request for additional funds!
Ceramic insulator rings. Any backup?	Morgan Advanced Materials	\$ 7398.60	PO 712740 awarded. Promise date: 07/15/24
		\$ 138210.60	

Heatwave's price hike

The procurement department posted an RFQ/RFP on sam.gov. Heatwave released an updated quote on 04/23/24. Changes:

- Price/cathode went from \$ 12.6k to \$ 18k.
- Coating cost went from \$ 531 to \$ 1062.
- Added shipping cost \$ 1000.

New price: \$30231 + \$12331 = **\$42562**

Comments or suggestions?

Description	Unit	Quantity/ Amount	Unit Price	Line Amount	Requester	Need By Date	Urgent
Cathode/heater assembly with support sleeve, rear heat shield, 2 leads both isolated from the cathode. Type 612. Separate radial shield not included. Includes bell jar Vf, If and Tk Temperature measurements.	EAC H	2.00	12,600.00	25,200.00	BANERJEE NILANJAN (NILANJAN)	27-SEP-24	

Line	Description	Quantity	UOM	Price (ea)	Price Total	Lead-time (wks.)
1	Cathode/heater assembly with support sleeve, rear heat shield, 2 leads both isolated from the cathode. Type 612. Separate radial shield not included. Includes bell jar Vf, If and Tk Temperature measurements.	2	EACH	\$ 18,000.00	36,000.00	~25WKS
2	Addition of OsRu coating, 3000-5000 Angstroms thick	X 2	EACH	\$ 531.00	\$ 1,062.00	INCL
3	Non-recurring engineering, setup, and tooling for TBD1	1	EACH	4,500.00	\$ 4,500.00	INCL

TOTAL \$ 41,562 25 WKS*

SHIPPING, HANDLING, INS
GND (ESTIMATE)

\$ 1,000.00

\$ 42,562.00

* AFTER DESIGN APPROVAL

Nilanjan 4/23/24