Event Summary - Auto Sputter Coater

Type	Invitation to Bid	**Number**	02-AMCEME-ITB-3384
Organization	TAMU	**Currency**	US Dollar
Event Status	Awarded	**Work Group**	Mechanical Engineering
Exported on	1/25/2022	**Exported by**	Angelita Constancio
For Requisition	151994436	**Created Document**	152579521
Estimated Value	12,396.36 USD	**Payment Terms**	-

Bid and Evaluation

Respond by Proxy	Allow	**Use Panel Questionnaire**	No
Sealed Bid	Yes	**Auto Score**	No
		Cost Analysis	No
Alternate Items	No		

Visibility and Communication

Visible to Public Yes

Enter a short description for this public event

Auto Sputter Coater

Commodity Codes

None Added

Event Dates

Time Zone	CDT/CST - Central Standard Time (US/Central)
Released	-
Open	12/16/2021 12:00 AM CST
Close	12/21/2021 2:00 PM CST
Sealed Until	12/21/2021 2:00 PM
	Show Sealed Bid Open Date to Supplier
Q&A Close	12/20/2021 10:00 AM CST

Description

Auto Sputter Coater

Product Line Items

★ Required Product Line Items

Group P1

#	Item Name, Commodity Code, Description		Qty.	UOM	Target Price	Allow Alternates	Requested Delivery
P1.1	Cressington 108 Auto Sputter Coater	★	1	EA - Each	-		-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / The 108auto Sputter coater offers the choice of fully automatic or manual
operation with separate controls for purge and leak. The 108auto has digital
current control, digital process timer with "pause" function, reproducible manual
gas flow control, variable height specimen table, hinged top-plate and O-ring
sealed vacuum chamber. The microprocessor based controller allows independent
choice of sputter current and argon gas pressure to optimize coverage and grain
size for any specimen. Cool, fine grain sputtering is achieved with a very efficient
DC magnetron head. The desktop design combines the sputter coating unit, the
pumping system and the optional thickness monitor into an area of only 17" x 24".
SPECIFICATIONS
Chamber size: 120 dia x 120 high (4.75" x 4.75")
Target: Au Target, 57mm dia x 0.1mm thick
Sample table: Holds 12 SEM stubs, height adjustable through 60mm
Sputter supply: Microprocessor based, safety interlocked, variable,
40mA max , programmable digital control, vacuum
independent current control
Sputter head: Low voltage planar magnetron, quick target change,
wrap-around dark-space shield
Analog metering: Vacuum: Atmos - .001mB; Current: 0-50mA
Control method: Automatic operation of gas purge and leak functions;
Automatic process sequencing, full manual override;
Digital timer (0-300 sec) with pause; Automatic vent control.
(Optional thickness MTM-20 High Resolution
Thickness Controller.)
Dimensions: Control Unit - 420x295mm

Ship-To-Address - Attn: Dr. Ali
Erdemir Mechanical Engineering
James J. Cain Bldg Room 180
Spence St 3123 TAMU College
Station, TX 77843-3123 United
States

P1.2	Rotary Vane Pump, RVP 100-3.5, 115V, 60Hz Pumping Capacity 6m3/hrUltimate Pressure: ≤1 x 10-3 T...	★	1	EA - Each	-		-

20142700 - Pumping units | 5753 <$5k, 8425 / Rotary Vane Pump, RVP 100-3.5, 115V, 60Hz Pumping Capacity 6m3/hrUltimate Pressure: ≤1 x 10-3 TorrIntake & Exhaust Connection: NW 25 / KF25

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P1.3	All-Metal VRL Connection Kit - Includes all vacuum connection parts to connect the Cressington Co...	★	1	EA - Each	-	-

43223342 - Waveguide and connection kit | 5753 <5k, 8425 / All-Metal VRL Connection Kit - Includes all vacuum connection parts to connect the Cressington Coaterto the vacuum pump.

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P1.4	PELCO®Ultra 19 Rotary Pump Oil, 1 liter	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / PELCO®Ultra 19 Rotary Pump Oil, 1 liter

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P1.5	Replacement Exhaust Filter	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / Replacement Exhaust Filter

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P1.6	108 Rotary Tilting Stage for the Cressington 108 Auto Sputter Coater	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / 108 Rotary Tilting Stage for the Cressington 108 Auto Sputter Coater

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P1.7	Universal AC Adapter for R-T Stage, 110-240V, 50/60Hz	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / Universal AC Adapter for R-T Stage, 110-240V, 50/60Hz

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P1.8	Argon Pressure Regulator Dual stage kit argon pressure regulator, working pressure gauge indicate...	★	1	EA - Each	-	-

41112404 - Pressure regulator | 5751 <$5k, 8422 / Argon Pressure Regulator Dual stage kit argon pressure regulator, working pressure gauge indicates0-30 psi. 10’ polyethylene tubing and hose clips to fit pressure regulator andCressington Sputter Coater. Fits standard argon gas cylinder.Note: Working pressure for sputter applications is 5-6 psi

Ship-To-Address - Attn: Dr. Ali Erdemir Mechanical Engineering James J. Cain Bldg Room 180 Spence St 3123 TAMU College Station, TX 77843-3123 United States

P1.9	PELCO Bell Jar Kleen™, 14 oz.	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / PELCO Bell Jar Kleen™, 14 oz.

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P1.10	Air Filter for venting inlet to avoid particles entering the coater, complete with ¼" connecti...	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / Air Filter for venting inlet to avoid particles entering the coater, complete with ¼" connecting hose

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P1.11	Estimated Freigh	★	1	EA - Each	-	-

41100000 - Laboratory and scientific equipment | 5751 <$5k, 8422 / Estimated Freigh

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Service Line Items

There are no Items added to this event.

Price Components

There are no Price Components added to this event.