

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-359
Item to be Scouted	Cross Section Polisher
Days to be scouted	30
Response Due By	12/19/2025
Description	The Agency needs to purchase a cross section polisher as a commercial off the shelf item. This instrument supports sample preparation of field pipes for analysis using the Scanning Electron Microscope (SEM). The cross section

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	These cross-sectioned pipe samples are analyzed using the SEM to characterize the scales. This instrument is necessary for this kind of analysis.
Describe the manufacturing processes (elaborate to provide as much detail as possible)	BABA The Agency research staff expect an instrument that shall meet or exceed what the current instrument can accomplish. Training shall be included at installation for the research staff. The instrument purchase shall include a minimum of 1 year warranty which covers all travel, parts and labor if service is required.
Provide dimensions / size / tolerances / performance specifications for the item	See attached product description, p. 4. The minimum specifications are as follows: • Instrument shall include a programable user interface to customize milling
List required materials needed to make the product, including materials of product components	Product is a precision scientific instrument consisting of multiple components, please refer to the fine milling options for preferred for protection and fine surfacing of samples • Options shall include variable voltages and milling speeds at acceleration
Are there applicable certification requirements?	No - The ion milled area should be a minimum of 8mm
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No Any optional accessories needed for mounting and shielding of samples shall be listed as available options
Additional Technical Comments	N/A

## Section 4: Business Information

Estimated potential business volume	According to USASpending between 2020 and 2024 the total federal dollars obligated to ion mill type instruments was \$1.2 million (8 units). Other purchasers/users of the item would include universities and other research entities.
Estimated target price / unit cost information (if unavailable explain)	\$77,000 see attached product quote from JEOL.
When is it needed by?	Immediate
Describe packaging requirements	Individually wrapped on pallet.
Where will this item be shipped?	Cincinnati, OH

## Additional Comments

Is there other information you would like to include?	Attached quote (SQC016134_1) and product description from JEOL (JEOL Ion Mill Brochure)
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