

MEPNN Supplier Scouting Opportunity Synopsis

Item Information	
Scouting Number	2023-122
Item to be Scouted	Drawn Copper Tubing
Days to be scouted	120
Description	Copper tubing of specified cross section to be machined into completed parts on automated machining centers. This will be the first of several profiles being sought. Successful supplier will be asked to quote on additional profiles.
State item to be used in	Pennsylvania

Contact Information	
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First Name	Teri
Last Name	Grumbrecht
Department / Company / MEP Center	Pennsylvania Manufacturing Extension Partnership
Bureau / Division / MEP Center Regional Office	Delaware Valley Industrial Resource Center (DVIRC)

Supplier Information	
Type of supplier being sought	Other
Details	Copper Tubing Houses
Reason	Re-shore
Details	BABA

Summary of technical specifications and performance requirements	
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Copper tubing is automatically fed into machining centers and completed parts are then tumbled, cleaned and plated.
Provide dimensions / size / tolerances / performance specifications for the item	Outside Rectangle .737 x .466/.455 with .015+/- .010 corner radii. Symmetrical Inside rectangle .462/.432 x .326/.323 with inside corner radii .010 +/- .005. The extrusion overall length is 10 foot. Note: Wall dimensions .149/.145 (2 times) and .070/.066 (2 times)
List required materials needed to make the product, including materials of product components	Material: 120 Copper Alloy, 1/4 Hard. Hardness Rockwell B20-B54
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Details	Material certifications required (physical and chemical) Material certification is important to our UL requirements
Are there applicable regulations?	No
Additional Technical Comments	The straightness of the drawn tubing is important to our manufacturing process as we bar feed this into our machining centers. Bow or twist is not acceptable.

Volume and Pricing

Estimated potential business volume	40,000 ft. per year We prefer 2,000 units of 12 foot long drawn tubing.
Estimated target price / unit cost information (if unavailable explain)	\$110 per 10 foot extrusion (current price)

Delivery Requirements

When is it needed by?	6 months
Describe packaging requirements	Group packaging, 250 extrusions per wooden box on a skid
Where will this item be shipped?	Bristol, PA

Additional Comments

Is there other information you would like to include?