

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2024-074
Item to be Scouted	Epoxy Bottle-Cap Adaptor
Days to be scouted	60
Description	This epoxy adaptor is a mold that fits the grooves of a bottle cap during automated final assembly of pharmaceutical end product packaging. The adaptor is made to fit a socket which attaches to a torque wrench and the cap/lids are then torqued to a required specification per container. The adaptor that fits over the cap is removed after sealing-twisting-torquing said cap as the bottle containers move down the line, and with each bottle-cap, the mold is reapplied and torqued, then onto the next one and so forth. Please see pictures included for a visual representation of this description and size.
State item to be used in	Nebraska

Section 2: Technical Information

Type of supplier being sought	Other
Details	Manufacturer, Prototyper, Printer, Molder.
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	There are several potentially viable options: 3D print to epoxy, a mold with epoxy filler (density unknown). No heat specification is required that we are aware. Unfortunately, we currently have no technical drawings, please see pictures. Pharmaceutical torque specifications may need to be applied.
Provide dimensions / size / tolerances / performance specifications for the item	Total diameter of the adaptor is 2" wide. Socket is 1/4" x 3/8".
List required materials needed to make the product, including materials of product components	Epoxy resin or other 3D print materials that can withstand torque requirements for caps on pharmaceutical bottles. While the scouted product shown here is final hard epoxy, the end user is open to using other materials that will accomplish the task.
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	FDA Current Good Manufacturing Practices (cGMP) umbrella regulations. (https://www.fda.gov/drugs/pharmaceutical-quality-resources/current-good-manufacturing-practice-cgmp-regulations)
Are there any other standards, requirements, etc.?	Yes
Details	As of yet we do not have a standard "Cap number" for the cap shown in below pictures.
Additional Technical Comments	This lists a torque guide for said assembly, as an example. https://www.sks-bottle.com/TorqueHelp.html

Section 4: Business Information

Estimated potential business volume	Initial quantify of 12 ~prototypes to test against assembly equipment and quality requirements. If successful, could be on the order of thousands of units.
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Estimated target price / unit cost information (if unavailable explain)	To be determined based on supplier costs/ materials used and the life of the this adaptor product.
When is it needed by?	The prototype(s) is needed as soon as possible as potential supply chain delays with current provider could significantly impact current production and manufacturing lines for the company. The company is open to testing multiple options/models.
Describe packaging requirements	Something on the order of fiberboard box with dividers.
Where will this item be shipped?	Lincoln, NE.

Additional Comments

Is there other information you would like to include?	Pictures show the Pharma bottle-cap, the epoxy adaptor being scouted, the two together, and dimension/ size of the adaptor. At the very least this Opportunity will give the company data on available secondary suppliers and how local they can be to reduce shipping costs and current supplier delays.
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