

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-119
Item to be Scouted	Human Calorimeter Room
Days to be scouted	30
Response Due By	05/17/2025
Description	A custom phonebooth sized chamber used for human calorimetry.
State item to be used in	Nevada

Section 2: Technical Information

Type of supplier being sought	Contract manufacturer
Reason	New product startup
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Final assembly (screws, adhesives, press fits), light part modifications (drilling, cutting to length), packaging for shipment, inventory storage, and component supplier management.
Provide dimensions / size / tolerances / performance specifications for the item	<p>Assembled small room is 4' x 4' in footprint, and approximately 7' tall. Assembled large room is 4' x 8' in footprint, and approximately 7' tall.</p> <p>We plan on having detailed designs and assembly instructions for all components, along with specifying vendors for off the shelf parts and custom parts. We don't expect a contract manufacturer to handle any of the design work.</p> <p>No thermal insulation is used because human calorimetry is done at normal room temperature.</p>
List required materials needed to make the product, including materials of product components	<p>Acrylic sheets, bent sheet metal, aluminum and plastic extrusions, fasteners.</p> <p>The full list of materials is very long and detailed, and still under active development. I can provide an item-by-item list in a few weeks, or a partially detailed list sooner.</p>
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	30 units per year
Estimated target price / unit cost information (if unavailable explain)	\$10,000/unit
When is it needed by?	6-8 weeks from order submission
Describe packaging requirements	Best available. One unit per shipment. Delivered undamaged. Specifics discussed in negotiation.
Where will this item be shipped?	USA and Europe

Additional Comments

Is there other information you would like to include?



