

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-092
Name of the item to be scouted:	Heavy-Duty Metal Frame Fabrication
State item to be used in:	Illinois

Describe the Item:

Please describe the item application/the end use of the item.	The frames require precise fabrication, including laser cutting, welding with a Bluco Weld System, and CNC machining. Specifications include overall dimensions of 30.748" x 112.343" x 252.953", with high-definition plasma/laser requirements and specific bending capabilities. Any companies who fit the bill and are interested and are willing to sign an NDA to view the prints, please reach out to me in real time.
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Supplier Information:

Type of Supplier Being Sought (select from the list below):	
Manufacturer	x
Contract Manufacturer	
Distributor	
Other (Please Specify)	
Reason for Scouting Submission (select from the list below)	
2nd Supplier	
Price	
Re-Shore	x
Past supplier no longer available	
New Product Startup	
BABA	
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Machining - Need approximate 7 Meter X Axis X 4 Meter Y Axis and 1M Z Axis. Cutting: The frame components would be cut to size using high definition plasma or laser cutting techniques to achieve precise dimensions. Welding: The fabrication process would utilize a Bluco Weld System, incorporating various features such as Bluco hole locations for sub-assembly and assembly purposes. Custom fixtures may be manufactured to aid in the welding process. Assembly: The frame would be assembled by welding together the individual components, including side panels. Side walls may be constructed separately on one fixture and then located on a second fixture standing upright, ensuring precision alignment through precision holes or slots to join all components. Finishing: Once assembled, the frame may undergo finishing processes as necessary, such as grinding or polishing, to achieve the desired surface quality. Bending Capability (in House or Sourced) Radius all Bent Parts 0.355 Material Thickness all Bent Parts 0.25 Bend Length (1) Part 104.13 Long
Provide dimensions / size / tolerances / performance specifications of the item	Frame Size Overall Dimensions = 30.748" X 112.343" X 252.953" High Definition Plasma / Laser Requirements: MAX Side Panel Length = .50 X 23.93 X 250.354 - sizes reduce thereafter = .50 X 23.93 X 250.354 Fabrication = Bluco Weld System (desired) - various features of parts incorporate Bluco hole location for sub-assembly & assembly purposes Custom Fixture can be manufactured. Side Walls are constructed separately on one fixture Side walls located on 2nd fixture standing upright & located on precision holes/slot to adjoin all components Top Rail Requirements (Helical Gear Racks & Linear Guide Rails) Machined Surface Finish 62 Machining length of top rails are over approx. 254" long for applied tolerances in below screen shots
List required materials needed to make the product, including materials of product components, if applicable	Bending Capability (in House or Sourced) Radius all Bent Parts 0.355 Material Thickness all Bent Parts 0.25 Bend Length (1) Part 104.13 Long. Type of metal is to be used is 1018 / 1026 / A36 Low Carbon Steel
Are there applicable certification requirements?	

Yes	
No	x
Please explain:	
Are there any applicable regulations that apply to the production of this item?	
Yes	
No	x
Please explain:	
Are there any other standards / requirements?	
Yes	x
No	
Please explain:	A company who owns Bystronic equipment.
Additional Comments:	
Additional technical comments:	
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	30 units annually, needing approximately 2 - 3 per month for a minimum of 3 years
Estimated Target Price/Unit Cost Information:	approximately \$18K
Delivery Requirements:	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	April 30th, 2024
Describe packaging requirements (i.e. individually/group packaging, etc.)	Preferred transportation method is open, flatbed (1-2) units per load fit. Wrapped in plastic.
Where will this item be shipped?	Illinois
Additional Comments:	
Is there other information you would like to include?	