

ITEM OPPORTUNITY SYNOPSIS

Scouting Number:	2024-239
Name of the item to be scouted:	LoadMaster
State item to be used in:	Washington

Describe the Item:

<p>Please describe the item application/the end use of the item.</p>	<p>We are seeking a battery-powered modular conveyor system for bulk loading cargo (such as bags, mail, and freight) into the lower compartments of aircraft. the System includes: (5 modules and 1 transport charging unit per system). We are open to working with either an OEM that can handle the entire manufacturing process in-house or with separate manufacturers: one for producing the plastic frame and another for assembly and final product completion. If you cannot find a single manufacturer for both the frame and assembly, please submit responses for those who can handle either the frame or the assembly. We are prepared to connect potential suppliers to form a cohesive team. Attached is a General Familiarization one-pager.</p>
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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	
Past supplier no longer available	
New Product Startup	x
BABA	
Other (Please Specify)	

Summary of Technical Specifications and Performance Requirements:

<p>Describe the manufacturing processes (elaborate to provide as much detail as possible)</p>	<p>The frame would require to be either injection molding or vacuum molding. Drive and Power System manufacturing required. A manufacturer with conveyor belts manufacturing capabilities would be ideal. The final product needs to endure falls from at least 6 feet and withstand extreme temperatures. Company is looking for an OEM(s) who can take care of the purchasing of components, quality assurance, logistics and supply chain management, and after sale support.</p>
<p>Provide dimensions / size / tolerances / performance specifications of the item</p>	<p>Currently, only wireframe drawings are available upon request. The company is in the process of developing detailed drawings and CAD files for the electrical components and assembly. Individual modules are approximately 4" X 18" X 42". The transportation unit is approximately 24" X 24" X 60"</p>
<p>List required materials needed to make the product, including materials of product components, if applicable</p>	<p>The company is open to suggestions regarding materials, particularly plastics. Ideally, the plastic should be a composite material. Other parts: Battery, rollers, belt, bottom and top plate.</p>
<p>Are there applicable certification requirements?</p>	
Yes	
No	x
Please explain:	
<p>Are there any applicable regulations that apply to the production of this item?</p>	
Yes	
No	x
Please explain:	
<p>Are there any other standards / requirements?</p>	
Yes	
No	x
Please explain:	

NAICS CODES:	
NAICS 1	333922 Conveyor and conveying equipment manufacturing
NAICS 2	326199 All Other Plastics Product Manufacturing
Additional Comments:	
Additional technical comments:	
Volume and Pricing:	
Estimated Potential Business Volume (i.e. #units per day, month, year):	Once in full production, 500 to 1,000 per annum
Estimated Target Price/Unit Cost Information:	\$18,000-23,000 per full system (5 modules and 1 transport charging unit per system)
Delivery Requirements:	
When is it needed by? (Immediate, 30 days, 6 months, etc.)	Pending funding, by year end in low level production for trial units. Full serial production in early 2025, based on trial unit performance.
Describe packaging requirements (i.e. individually/group packaging, etc.)	Will vary based on customer location
Where will this item be shipped?	Globally
Additional Comments:	
Is there other information you would like to include?	

LoadMaster by Cynergixt: General Familiarization

The LoadMaster provides narrow-body aircraft operators an aircraft cargo hold loading and unloading solution that is light and scalable. It can improve working conditions and operational performance, while reducing costs and increasing revenue.

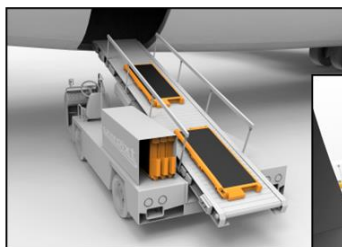
Operators' Global Problem:

- Injuries to Ground Handling Staff
- High Turnover Rate of Ground Handling Staff
- Departure Delays due to Cargo Loading & Unloading
- Damaged Bags, Mail, Freight and Equipment
- Aircraft Damage with Associated Delays or Cancellation



LoadMaster Solution:

- Unique modular and portable conveyor system
- Injection molded composite frame
- First fire-safe battery powered solution in the industry
- Modules have proprietary connections with wireless communications for synchronized ops
- Each module weighs about the same as an average suitcase; less than 35lbs
- A unit includes five modules plus a transport container with integrated battery charging system
- Validated value through proprietary modeling and feedback via industry and technology events



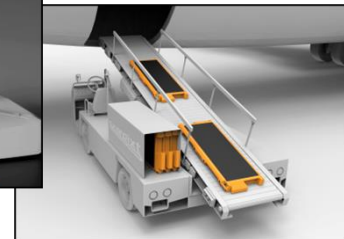
1) Place conveyors onto Belt Loader



2) Position & Link together inside the cargo hold



3) Load or unload cargo



4) Return conveyors for storage & recharge for the next flight

Cynergixt International Founders:

Gerry Cutler, Co-founder & CEO: Over 40 years of extensive airline and OEM experience in ground and flight operations. 2 patents and 4 awards for aviation program design and development.

Gerry@EnvisionAviationAdvisors.com +1-206-406-9802



Lee Cantrell, Co-founder (Emeritus): over 40 years of extensive airline, MRO and USAF experience in maintenance and engineering. Patent for Method and Systems for Integrated Global View of Airline Operations.

