



PRODUCTS LLC.

ASI PRODUCTS LLC.
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QUOTE FOR PRODUCTS

Rev	Description of Change	Author	Date
1.0	Forecast 3D Laser System	Drew Larsen	2014-09-30

TO:

Gabriel Alcantara

alconlara@poli.ufrj.br

Federal University of Rio De Janerio

Brazil

RE: ASI Forecast 3D lasers, Master Configuration and Secondary Configuration.

ASI Products is pleased to provide pricing request for:

Forecast 3D Laser Spinning Assembly w/ LMS 151

Quote includes:

- Price - **(See Below)**
- Lead Time - **4-6 weeks from receipt of purchase.**
- Country of Origin - **USA**
- 10-Digit Harmonized Tariff Code - **9031.49.90.00**
- Weight - 24 lbs. each

If you have any questions regarding this pricing and component document, please contact me.

Autonomous Solutions Inc.

Drew Larsen

Business Development, Director

Tel: 435.755.2980, ext. 1142

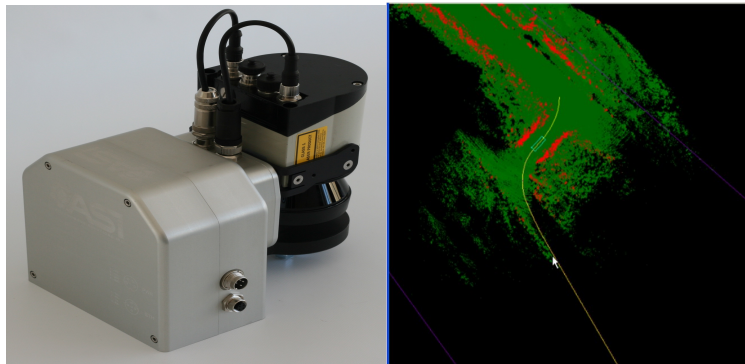
1 DELIVERABLES

ASI Products will provide the Federal University of Rio de Janeiro

Forecast 3D Laser Spinning Assembly w/ LMS 151

1.1 Forecast™ 3D Laser Systems

ASI has developed its own 3D obstacle detection and mapping system “Forecast™”, as well as developed sensor fusion technology to combine many different sensor solutions using, Lidar, Laser, Radar, 2D and 3D Vision systems that can be customized to the customer’s specific needs.



ASI's Forecast™ 3D laser OD System
(Representative hardware, actual delivered components may differ)

Description of Deliverables	
Forecast 3D Laser Spinning Assembly w/ LMS 151 (Master configuration) (P#AAS-1000-2008) (Secondary configuration)	<p>Includes:</p> <ul style="list-style-type: none"> With Sick LMS 151 Max Range 50m 270 degree FOV Min detection size at max range 1m Min detection size at 15 m 300mm Vertical drop detection Out to 50m Cliff face detection Out to 50m Negative obstacle detection 300mm at 15m Scan rate 0.5 Hz, 30 rpm Communication link UDP over Ethernet Output protocol JAUS, API document available Output data Cost map 0-200, 0.25 m resolution, 600 x 600 grid Environment Weather sealed, usable in moderate rain, snow, dust Operating temperature -20°C - 50°C



(P#AAS-1000-2009)	<ul style="list-style-type: none"> Storage Temperature -20°C - 50°C Power 12-24 V, 30-70 W, 100 W peak (Recommend 24V)
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2 PRICING AND TERMS

2.1 Basic Pricing Summary

7.1.1. Pricing: Forecast™ 3D Laser Systems

Item	Description	Price	Qty	Total
1	Forecast 3D Laser Spinning Assembly w/ LMS 151 (12 Month Warrant and Silver Support included)	\$37,560	1	\$37,560
2	TOTAL			\$37,560
3	Shipping: Customer to provide preferred shipping company and all necessary information for ASI Products to ship product at customer's expense. All items shipped from ASI Products Headquarters will be Ex-Works Petersboro, UT. (All Shipping, Taxes, Tariffs, Duties, Import, Export fees and Certifications are the customer's responsibility)		1	TBD

2.2 Payment Schedule

Milestone	Event	Payment Due
1	Receipt of PO	With-in 60 days of receipt of invoice

2.3 Additional Purchase Agreement Terms

- Customer agrees to pay all invoices within net 60 days of receipt of invoice.
- A 2% late payment charge will be assessed to payments more than 5 days late, and an additional 2% each month following, less the previously assessed late payment charge.
- Customer is solely responsible for the payment of any and all applicable taxes resulting from the purchase of the products and services described herein.



- o All Travel cost (Air, Hotel, Rental Car, Meals & Incidentals) will be billed at cost general administration fees plus 10%
- o All items shipped from ASI Products Headquarters will be EX-Works Petersboro, UT. (All Shipping, Taxes, Tariffs, Duties, Import, Export Fees and Certifications are the customer's responsibility)

3 WARRANTY AND SUPPORT

3.1 Warranty

LIMITED WARRANTY

Products, including software and hardware, delivered by ASI Products under this proposal are warranted to be free from defects in workmanship or materials under normal use for a period of 365 days after delivery.

Any Product or Solution which is determined by ASI Products to be defective in material or workmanship will be remedied, replaced or repaired at ASI Products' option. This will be the exclusive remedy to any material or workmanship defects.

Expenses incurred by ASI Products for material and labor associated with fulfillment of this warranty will be the responsibility of ASI Products. Travel expenses for ASI Products personnel (if necessary) are not covered under the warranty. **(12 month warranty plus 12 month Silver Support included)** (Customer must provide ASI Products with a copy of the invoice showing date of purchase, with model and serial numbers of product)

WARRANTY DISCLAIMER

If ASI Products is called upon by the CUSTOMER to correct an error or field component failure and such error or field component failure is found to be caused by the negligence, misuse or modification of system other than by ASI Products and not at its direction, or otherwise due to a cause not inherent in the PRODUCT as delivered, ASI Products reserves the right to charge the CUSTOMER for such service on a time and materials basis at its standard list rates and offers no guarantee that unauthorized changes are repairable.

LIMITATION OF LIABILITY

ASI Products will make a good faith effort for prompt corrective action of any product or solution which proves to be defective within the warranty period.

Any liability for consequential or incidental damage is expressly disclaimed.

ASI Products will make every effort to ensure that the Products and Solutions provided have passed safety evaluations for the intended usage scenarios.

Federal, state, and local government entities may have codes and regulations governing installation and/or use of unmanned vehicle systems. While ASI Products attempts to ensure



that all products and solutions comply with such codes, it cannot guarantee compliance and cannot be responsible for how the product or solution is used. Compliance with federal, state, and local codes and regulation is the sole responsibility of the user.

3.2 System Maintenance

The system does not have any consumables or wearing parts, no scheduled maintenance is required.

All subsystems are field replaceable by trained technicians. Troubleshooting tools and documentation will be provided with the system enabling technicians to replace damaged or non-functional parts.

3.3 Continuing (Non-Warranty) Support

Silver - Software & Hardware	<p>Silver is the base level of Customer Care provided to customers. This level provides the following key benefits to customers:</p> <ul style="list-style-type: none"> • Access to ASI Products' Customer Care portal with the ability to register and track issues. • Telephone Support during ASI Products' normal business hours for both hardware and software issues. • Support for "Critical System" issues within ASI Products' normal business hours with best effort response times. • Access to updated installed software modules as they are made available for general release. This does not include the services and expenses associated with the installation of the upgrade, these will be charged at ASI Products' current service rate. • Access to firmware upgrades as they are made available for general release. This does not include the services and expenses associated with the installation of the up-grade, these will be charged at ASI Products' current service rate. • Extended warranty on hardware is not included and any assistance or rectification will be charged on a time and materials basis. • Back to base extended hardware warranty (freight and other transportation costs not included) • Actual hardware costs additional • 365 day Warranty and yearly support begins at date of purchase
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ASI Products can deploy engineers/technicians to the customer's site as needed for a daily rate for non-warranty service (examples of non-warranty service include such things as: to repair/replace system components rendered non-functional by accidents, acts of God, or unintended use, or for additional training, or other desired services not covered in this proposal)



4 CUSTOMER ACCEPTANCE

By signing below, the customer accepts the pricing, terms and conditions outlined in the proposal above.

Accepted by:	
Printed name:	
Title:	
Date:	

