

FINAL PRODUCT PACKAGING INSTRUCTIONS

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NaviFloor Robotics, Inc.

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1. PURPOSE AND SCOPE

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1. This document establishes the mandatory packaging requirements and pro

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2. These instructions apply to all Company personnel involved in product packaging.

2. DEFINITIONS

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1. "Primary Package" refers to the immediate container or wrapping that houses the product.

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2. "Secondary Package" refers to the outer shipping container that provides additional protection.

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3. "Critical Components" refers to LiDAR sensors, terrain-mapping modules, and other sensitive equipment.

3. GENERAL PACKAGING REQUIREMENTS

- - 2 -

1. Environmental Protection

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All AMR units must be packaged in moisture-barrier bags with humidity indicators

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Maintain temperature monitoring devices for units containing sensitive electronic components

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Include minimum of two (2) desiccant packets per primary package

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2. Static Protection

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All electronic components must be packaged using ESD-safe materials

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Static-protective bags must meet ANSI/ESD S541 standards

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Include prominent ESD warning labels on all applicable packages

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3. Impact Protection

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Minimum 2-inch shock-absorbing foam padding on all sides

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Custom-molded foam inserts for critical components

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Impact indicators must be attached to external packaging

4. SPECIFIC PRODUCT PACKAGING INSTRUCTION

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1. NaviFloor AMR Base Units

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Apply protective coating to all exposed sensors

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Secure wheels with manufacturer-approved locking mechanisms

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Install temporary battery disconnection device

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Apply tamper-evident seals to access panels

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2. LiDAR and Sensing Components

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Individual anti-static packaging for each sensor

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Vacuum-sealed moisture barrier bags with humidity indicators

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Custom-fitted foam inserts with labeled compartments

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Temperature monitoring strips on external packaging

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3. Control Systems and Electronics

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Double-layer ESD protection for all circuit boards

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Separate compartmentalization for each electronic module

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Minimum IP65-rated enclosure for moisture-sensitive components

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Include calibration certificates in waterproof documentation pocket

5. LABELING AND DOCUMENTATION

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1. External Package Labeling

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Product serial number and model designation

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Manufacturing date and lot number

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Handling instructions and orientation indicators

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Company contact information and support hotline

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All applicable safety and warning symbols

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2. Required Documentation

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Product-specific quick start guide

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Safety compliance certificates

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Quality control checklist

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Warranty registration card

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Component inventory list

6. QUALITY CONTROL PROCEDURES

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1. Pre-Packaging Inspection

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Visual inspection of all components

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Verification of firmware versions

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Functional testing of critical systems

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Documentation of any cosmetic imperfections

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2. Packaging Quality Verification

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Moisture barrier integrity check

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Proper placement of protective materials

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Verification of all required labels and documentation

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Photography of packaged unit for record-keeping

7. SHIPPING AND HANDLING

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1. Storage Requirements

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Maximum stacking height: 2 units

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Temperature range: 0°C to 40°C

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Relative humidity: <65%

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Away from direct sunlight and heat sources

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2. Transportation Requirements

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Use only approved freight carriers

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Maintain orientation as indicated on packaging

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Secure loads to prevent shifting during transit

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Monitor environmental conditions during shipping

8. COMPLIANCE AND LIABILITY

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1. These packaging instructions comply with:

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ASTM D3951 Standard Practice for Commercial Packaging

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ISTA 3A Testing Requirements

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All applicable DOT regulations

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Company Quality Management System requirements

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2. Failure to comply with these instructions may void product warranty and r

9. REVISION AND CONTROL

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1. This document is subject to annual review and revision.

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2. Changes must be approved by:

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Director of Operations

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Quality Assurance Manager

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Chief Technology Officer

10. AUTHORIZATION

Approved by:

Richard Torres

Chief Operating Officer

NaviFloor Robotics, Inc.

Date: _

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