

## Product Description

The TUG T3 is a smart autonomous mobile robot that automates the transport of materials and supplies in commercial environments. TUG is different from traditional AGV systems in that it requires no infrastructure for navigation.

- 24x7 Improved Productivity
- Auto docks and auto charges
- Automatic drop off and pickup of carts
- Can travel on irregular concrete floors
- Navigates on internal map of facility using laser
- Has multiple dispatch modes:
  - Scheduled
  - Touchscreen ad-hoc
  - Multi-stop “milk runs”
  - Handheld ad-hoc requests
  - Manufacturing system messages



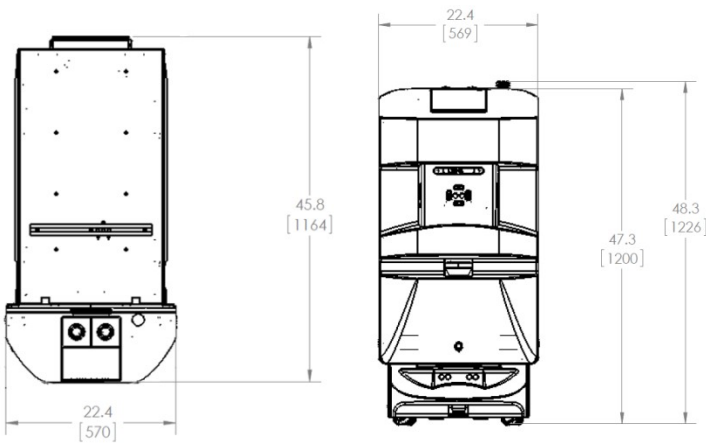
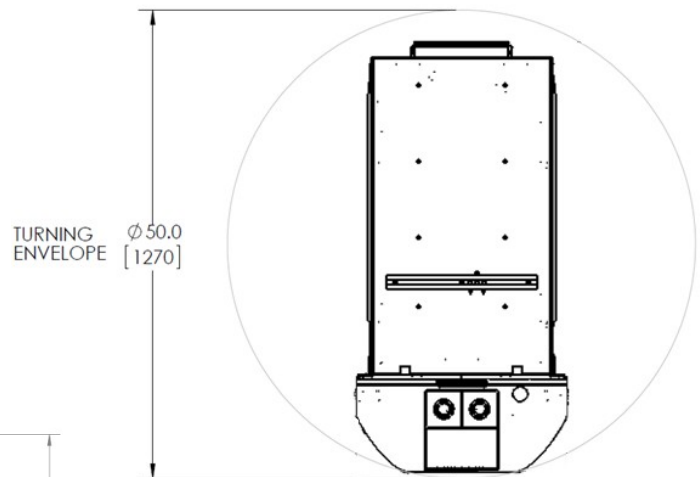
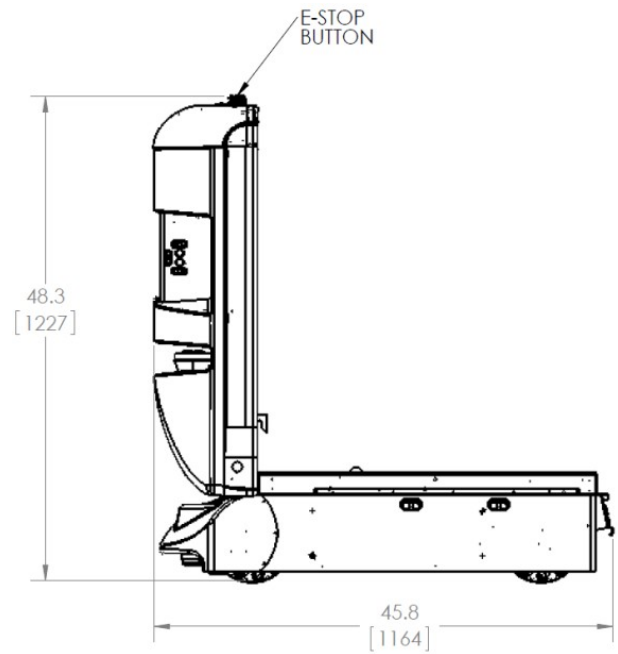
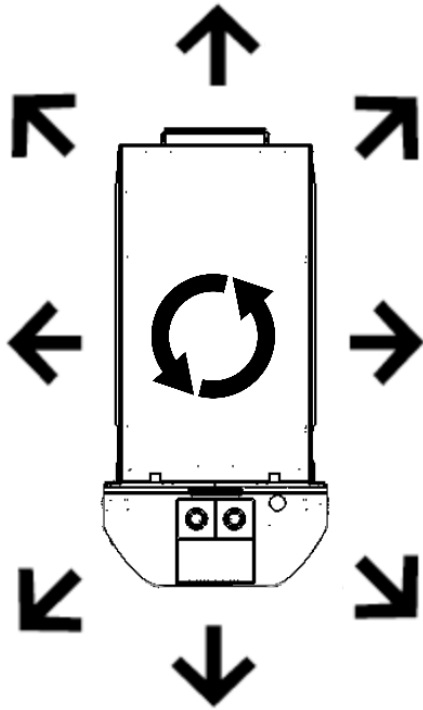
## Specifications

Specification	293130
<b>Maximum Carrying Capacity</b>	1000 lbs / 453 kg
<b>Battery Run Time</b>	10 hours with intermittent charging
<b>Battery Technology</b>	Valve-Regulated Lead-Acid (VRLA)
<b>Cart Length</b>	38 inches / 96.5 cm
<b>Drive System</b>	Omnidirectional 4 wheel driven
<b>Navigation and sensing</b>	Real-time multi-LIDAR, sonar and infrared sensors
<b>Communications</b>	WiFi or 900MHz
<b>Support</b>	Locally hosted or remote to Aethon Command Center via secure encrypted
<b>Turning Radius</b>	Rotate about center, front, rear
<b>Docking Station Width</b>	24" (61cm) plus 12" (30.5") clearance
<b>Environmental</b>	Interior use
<b>Travel Speed</b>	30 inches (76 cm) per second

## Standards Compliance

- EN 12100:2010, EN 60204-1:2006+A1:2009, IEC 60034-1:2004-04
- EN 61000-6-4:2007; EN 61000-6-2:2005; EN 60601-1-2:2007, EN 55022
- EN 301 489-1, EN 301 489-17
- FCC CFR 47, Part 15; ICES-001; Australian RCM Compliance
- ETSI EN 300 220-1 V2.4.1 & ETSI EN 300 220-2 V2.4.1
- EN 300 328 1.7.1, EN 301 893 1.6.1

## Full Omnidirectional Motion Capability



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Specifications subject to change.