

Indoor Robots

Aehton model specifications

TUG T2.5/T3/T3XL

Medication, food, lab samples and even waste: the indoor robots can transport practically anything and work around the clock. They move independently through the hospital and, depending on the attachment used, can even load themselves with cargo. This means that medical professionals do not have to perform logistics tasks, leaving more time for patients.

Model TUG 2.5 technical data

General

- Manufacturer: Aethon, USA
- Assembly: TUG head
- Drive system: two-wheel drive
- Navigation and sensor system: overlapping laser, sonar and infrared sensors
- Communication: WiFi or 900MHz
- Area of application: indoor
- Pick-ups and drop-offs: no
- Support: remote connection to the Aethon Command Center via a secure and encrypted VPN

Dimensions and weight

- Maximum capacity: 340 kilogrammes
- Length x width x height: 113 x 57 x 122 cm
- Docking station size: 61 →+ 30.5 = 91.5 cm

Driving performance

- Operational speed: 1 m/s
- Turning circle: 80 cm

Battery

- Runtime: 24 hrs (intermittent charging)

Options

- Scheduled runs: predefined trips e.g. recurring on a daily basis at a specific time
- Milk runs: from A to B and C to D etc.
- Push: the customer sends TUG to A
- Pull: the customer commands the TUG to return (must be free)
- System generated (MES to TUG): integration into existing systems



Model TUG 2.5



Model TUG 3 technical data

General

- Manufacturer: Aethon, USA
- Assembly: TUG robots
- Drive system: omnidirectional four-wheel drive
- Navigation and sensor system: overlapping laser, sonar and infrared sensors
- Communication: WiFi or 900MHz
- Area of application: indoor
- Pick-ups and drop-offs: yes
- Support: remote connection to the Aethon Command Center via a secure and encrypted VPN

Dimensions and weight

- Maximum capacity: 453.6 kilogrammes
- Length x width x height: 116 x 57 x 122 cm
- Docking station size: 61 → 30.5 = 91.5 cm

Driving performance

- Operational speed: 1 m/s
- Turning radius: rotate about center, turning envelope 1.27 m

Battery

- Runtime: 24 hrs (intermittent charging)
- Battery technology: valve-regulated lead-acid (VRLA)

Options

- Scheduled runs: predefined trips e.g. recurring on a daily basis at a specific time
- Milk runs: from A to B and C to D etc.
- Push: the customer sends TUG to A
- Pull: the customer commands the TUG to return (must be free)
- System generated (MES to TUG): integration into existing systems

Model TUG 3XL technical data

General

- Manufacturer: Aethon, USA
- Assembly: TUG robots
- Drive system: omnidirectional four-wheel drive
- Navigation and sensor system: real-time multi-LiDAR, sonar and infrared sensors
- Communication: WiFi or 900MHz
- Area of application: indoor
- Pick-ups and drop-offs: yes
- Support: locally hosted or remote connection to the Aethon Command Center via a secure and encrypted VPN

Dimensions and weight

- Maximum capacity: 740 kilogrammes
- Length x width x height: 148 x 57 x 122 cm
- Docking station size: 61 → 30.5 = 91.5 cm

Driving performance

- Operational speed: 1 m/s
- Turning radius: rotate about center, front or rear, turning envelope 1.575 m

Battery

- Runtime: 24 hrs
- Charging time: 3 hrs

Options

- Scheduled runs: predefined trips e.g. recurring on a daily basis at a specific time
- Milk runs: from A to B and C to D etc.
- Push: the customer sends TUG to A
- Pull: the customer commands the TUG to return (must be free)
- System generated (MES to TUG): integration into existing systems

