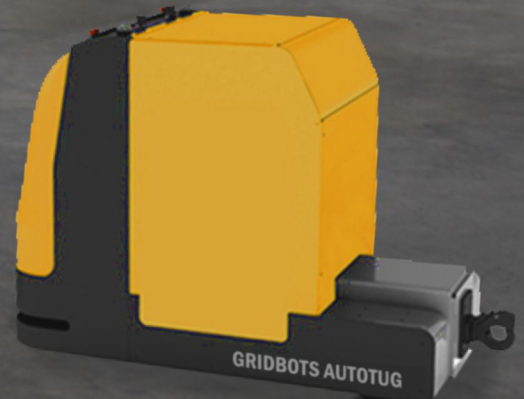


GRIDBOTS AUTOBOTS

AUTONOMOUS MOBILE ROBOTS



ADAPTIVE

FAST

PRECISE

gridbots
www.gridbots.com

LIFT-MATIK

LIFT SHIFTING ROBOT

INDOOR LIFTING SHIFTING ROBOT SELF DRIVING ROBOTS

PERFORMANCE

Payload Capacity
500/1000/1500/2500 Kg

Runtime
8 Hours

Lifting Height
Upto 1.5 Meters

Turning Speed
50 Degrees/Sec

Turning Radius
0 mm

Max Speed
1.5 M/Sec

ENVIRONMENTAL

IP Rating
21

Temperature
0-60 Degrees

Humidity
95%, Non- Condensing

CHASSIS

Dimensions
1200/800/350 mm [LxBxH]

Vehicle Weight
300 Kgs

Suspension
Passive

Ground Clearance
40 mm

Built Material
Mild Steel

Paint/Coating
Powder Coating

COMPUTER

On Board Computer
i7 [11'th Gen]

GPU
nvidia - 1080

RAM
16 GB

Aux Controller
ARM-32 Bit

POWER SYSTEM

Battery Charging
Auto

Battery Swap
Optional

Battery Chemistry
Lifeo4

Fuses
All Power Sockets

Charging Time
3 Hours

SAFETY

Ultrasonic Sensors
4x

3D Camera
1x

Bumper
Front

Safety Lidar
1x [SICK or Equivalent]

E-Stop
2x

Impact Sensor
1x

NAVIGATION

Navigation
Fully Autonomous [Visual SLAM]

Location Accuracy
20 mm [100x100 Meter Map]

Traffic Controller
Optional Package

Docking Accuracy
15 mm

Docking Sensor
Laser

Slam Mode
Visual + Natural Features



- Automatic Charging
- Automatic Target Tracking
- 2 Ways Audio Communication
- Fully Autonomous Navigation
- 3D Path Navigation
- Thermal Camera
- IP 65 Weather Proof
- 360 Degree Panoramic View



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