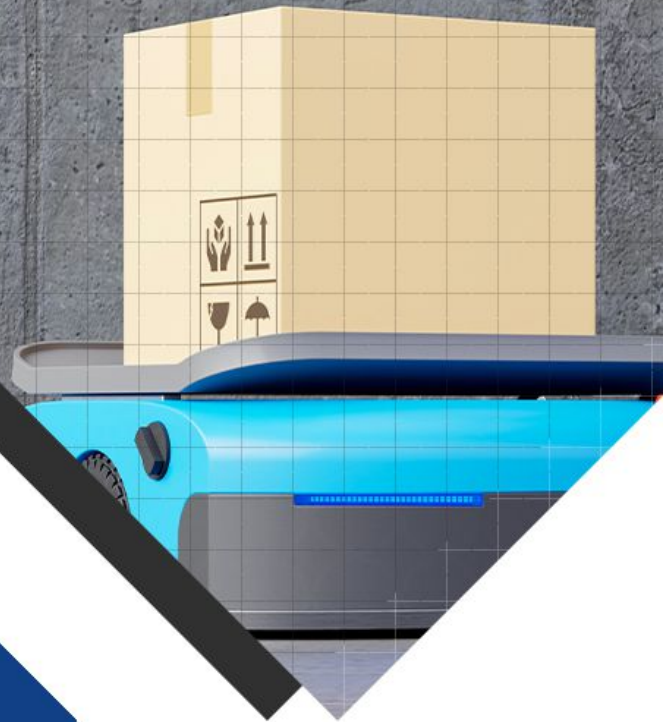




■ ROBACKER ■

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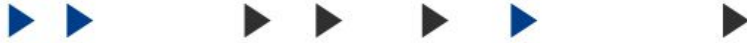
ROBACKER
Smart Robot for carry
of heavy LOADS



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This smart robot can carry and transport super heavy things quickly and precisely and be controlled manually and automatically through a special program.





Product Description

A transportation robot that has an ultra-light body, and four motors and wheels which are intelligently controlled and performs both linear and angular rotation torsion is produced by Robacker Company. The height of this robot can be intelligently reduced to go under objects and lift them.





Features



1

ROBACKER can perform all directions of movement at the same time, and lift the high load in a balanced way and carry objects maximum 40 km/hr.

2

The wheels of this robot simultaneously perform the transverse direction, with the capacity of carrying several tons load.

3

This robot can lift and carry heavy objects in a balanced way for unloading and loading on planes and ports, and heavy vehicles on the street and car shows.

4

All kinds of clamps are installed on this robot to catch different heavy objects intelligently.





Innovative Points of ROBACKER

1

360 degree sliding and rotating motion simultaneously longitudinally and transversely due to conical rollers on the wheel and taking control of a motor.

2

The height of this robot is adjustable to go under objects up to several centimeters relative to the tonnage of the robot.

3

Ultra-light sheets and cut mesh structure of the robot body, to withstand loads of several tons.

4

Accuracy of displacement performance of 0.1mm.

5

There is not blind spot for this robot.

6

It can be used in places that are contaminated with explosive gases such as refineries due to the lack of any ignition system.



7

Control method by reciprocating lasers to increase accuracy due to transportation.

8

Hightspeed of operation and linear speed of 40 km/hr due to the use of special gearboxes and brake servomotors.

9

Capacity to carry minimum 4 tons of cargo (each Robacker robot).

10

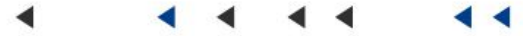
The design of this system is with mecanum wheels that can be moved on uneven surfaces for high tonnages.

11

Ability to connect several devices of this model together and network to move heavy parts (such as trains).



Market Size



The mobile robot's market is expected to grow from USD 18.7 billion in 2018 to USD 54.1 billion by 2023, at a CAGR of 23.71% during the forecast period.



Team



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