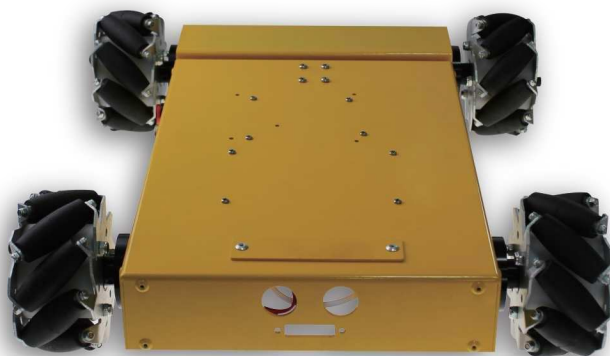


4WD 100mm Mecanum wheel robot kit 10011

This robot kit is based on a 4 wheels driving mecanum wheels chassis. the vehicle is stable and can be made to move in any direction and turn by varying the direction and speed of each wheel. Moving all four wheels in the same direction causes forward/backward movement, running left/right sides in opposite directions causes rotation, and running front and rear in opposite directions causes sideways movement. Combined motion is also possible. Its rear wheels are mounted in a particular way, this simple suspension structure ensures its four wheels can adhere to the ground even when the ground is uneven .This is very important for an mecanum wheels system. It also includes a microcontroller and motors with encoders.



Aluminum alloy frame



4 wheels drive



Mecanum wheel



Ultrasonic sensor



IR sensor



Encoder



Programmable



Easily expand

Features:

- 4 wheels drive
- Mecanum wheels
- Aluminum alloy body
- Suspension ensure 4 wheel adhere to ground
- Mounts reserve for Ultrasonic and Infrared sensor
- DC motors with encoders
- Includes Microcontroller and IO expansion board
- Capable of moving forward, backward, sideways, rotation

Parts included:

- 4 100mm Aluminum Mecanum Wheels
- Faulhaber 12V DC Coreless Motor
- Arduino 328 Controller
- Arduino IO Expansion V1.1
- 2 12V Ni-Mh Battery
- 12V Charger
- 4 100mm Aluminum Mecanum Wheels
- 4 Faulhaber 12V DC Coreless Motor
- Arduino 328 Controller
- Arduino IO Expansion V1.1
- 2 12V Ni-Mh Battery
- 12V Charger

