# Kobuki

Kobuki is an mobile base for open-source research and development purposes. It can be used to quickly and cheaply build research platforms and also provides access to other open source software, including ROS. The result is a product that can very easily utilise existing 3d sensing technologies and navigation algorithms to develop applications for research.

### **High Quality Platform**

Motors, battery, base Various power sources Multi-OS software drivers High resolution odometry Affordable

#### **WHAT**

General purpose research platform A component in multi-robot systems

#### **WHO**

Student / Professor Researcher ROS beginner Hobbyist

#### **Motors**

**Battery** 

**Various Power Sources** 

Multi-platform

**High Resolution Odometry** 

**Low Price** 



## Kobuki Spec

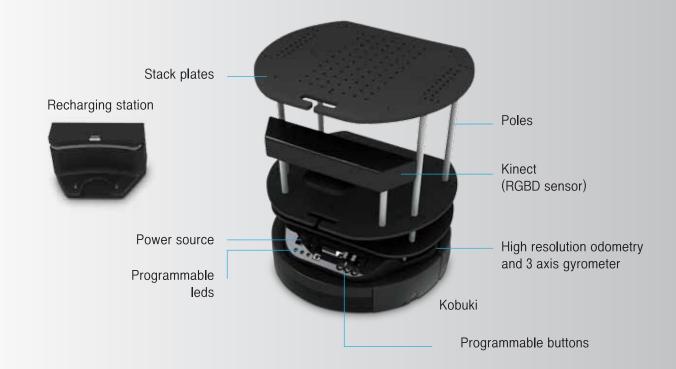
Max Speed	700 mm/sec 180 deg/sec
Odometry	3 axis bulit in gyrometer High resolution wheel encode (11.7 ticks/mm)
Battery	Lithium ion 4S1P (2200 mAh) 4S2P (4400 mAh) (Low Price/effective battery system)
Power source	5V, 12V, 3.3V
Charging	Robot and Laptop contemporary charge
Firmware upgrade	Supportable
Standard Kit (Base + Battery + Adapter)	world wide distribution

### Wide community

Web Site http://kobuki.yujinrobot.com
Github https://github.com/yujinrobot/kobuki
Twitter https://twitter.com/yujinrobotrnd
Blog http://blog.yujinrobot.com
Ros Wiki http://ros.org/wiki/kobuki

# Turtlebot-2

## Kobuki based Research Platform



## Software Ecosystem

OpenNI framework
OpenCV & PCL
Navigation stack
Perception & manipulation
Paired Android-robot apps
Gazebo simulation
ROS

## Wide community

Web Site http://turtlebot.com
Github https://github.com/turtlebot
Ros Wiki http://ros.org/wiki/turtlebot
Ros Answers http://answers.ros.org

Google + https://plus.google.com/101989863972881638653/posts

#### **Partners**

Willow Garage http://www.willowgarage.com/
Clearpath http://www.clearpathrobotics.com/
IHeartEngineering http://store.iheartengineering.com/
http://www.robotnik.es/en/









