

ASSIGNMENT 3

1. Seekur

The Omron Adept MobileRobots Seekur is a large general purpose holonomic mobile robot platform capable of omnidirectional movement and both indoor and outdoor use. Seekur includes a motion controller that implements omnidirectional vehicle velocity control and position integration, and options include one or more internal onboard computers, laser sensor, GPS, autonomous navigation software (using both laser and GPS sensor), and more.

2. RB Kairos

RB-KAIROS+ is a robotic platform designed for the plug&play integration of Universal Robots e-Series arms. Its software and hardware are fully prepared to mount the arm and thus turn the robotic arm into a mobile manipulator. This allows unlimited expansion of the cobot workspace, because the collaborative mobile manipulator can work in different locations. In this sense, it enables a wide range of new applications and it is a great complement for current URe arm users.

RB-KAIROS+ is extremely useful for industrial applications such as pick and place, part feeding, metrology, quality control, operations on large parts or packaging, cleaning, polishing, screwing, drilling, etc. Without a doubt, it is an excellent way to improve the productivity of any factory.

3. Magni Silver

100kg payload delivered on an aerospace aluminum chassis

On-board power supply for your own applications or tools

Raspberry Pi 3B+ running Ubuntu and ROS

Mobile in any wheelchair accessible space