

ROBOTICS LAB SOLUTIONS

6 Axis Robotic Arm



6 axis robots combine high speed and repeatability with powerful load-handling capability. Have good payload capacity and moment of inertia 2.5 times greater than conventional robots. This enables flexible end-effector designs and a wide range of applications. The robot has an excellent position repeatability, and brakes on 2nd, 3rd, 4th, 5th & 6th axis.

Mobile Research Robotic Platform

This is a fast moving, rugged, mobile robotic platform designed to traverse rough terrains and manoeuvre through with stability. It is equipped with powerful yet low current DC motors allowing machine to move fast with reduced battery consumption. The machine can be controlled from a remote location nearly 1km far (LOS) with secured 128 bit encrypted radio control. The platform is designed such that it can easily avoid obstacles such as rocks, steps of height 100mm.



Research Robot- PlutonX



This is a wheeled mobile robot platform which is used to research navigation software in robotics area. This platform has the remarkable features, 10kg of payload, 1m/sec of maximum speed, 3hours of continuous running time.

Robotics Advance kit



Robotics Self Learning Kit- Arduino

This kit is specially designed for beginners in the field of robotics, those who want to kick start building robots with most popular and easy to use Arduino controller. The kit comes with a details step by step guide to make all the machines.



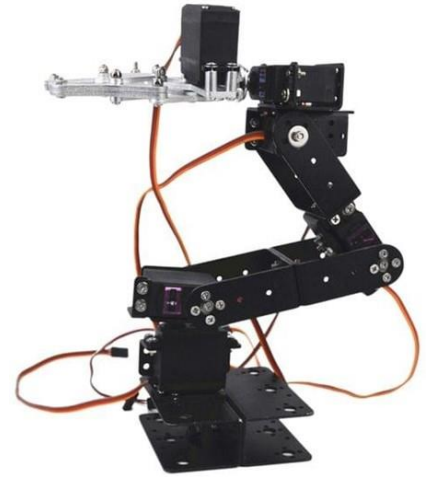
GOLBO – SWARM Robotics Research Platform



The machine is small, fast moving, low powered indoor moving platform. 3 wheels drive mobile robot utilizing Omni wheels. It is capable of moving in any direction by changing the velocity and direction of each wheel without changing its orientation. It includes microcontroller, IO expansion board, DC motor with encoder, IR and ultrasonic sensors and pre-drilled screw holes.

6 DOF Robotic Arm

Good quality robotic arm which can be used by students and hobbyists for learning and development of robotic applications. It comes equipped with 6 servo motors. The Robotic Arm has a 180° rotation angle and can provide 6 degrees of freedom. The kit includes a parallel jaw gripper with a maximum opening span of 55mm.



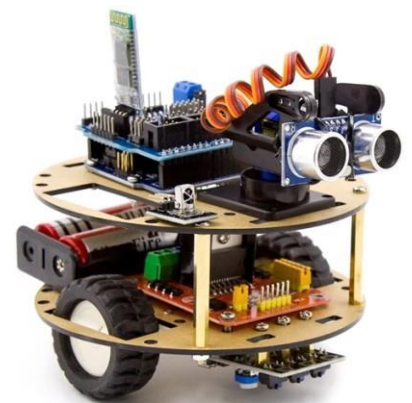
Bipad Humanoid Robot wit 17 DOF



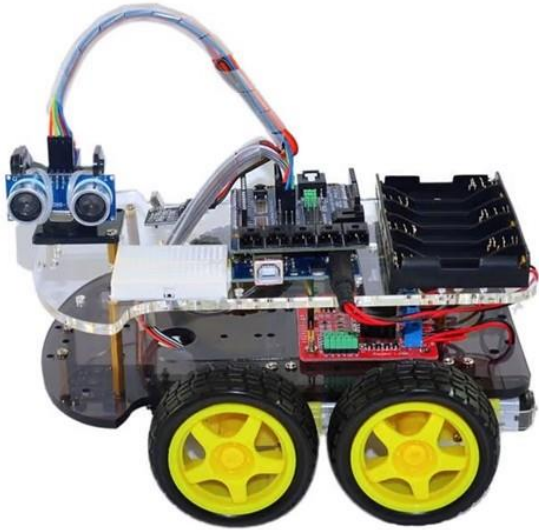
This robot is a professional small humanoid robot consisting of full aluminum parts, smooth surface with smooth edges not hurting hands, the metal is unbleached, beautiful and durable. The High Torque Standard Servo Motor with Dual Ball Bearing and Metal Gears. This is based around an Arduino-based controller, which can be easily programmed using Arduino IDE. The software helps to develop complex sequences in real-time on the hardware like robotic arms, walkers, bipeds, and any other servo-controlled system. It can also be used to generate Arduino-based code for the developed sequence which can be deployed on the controller onboard, thereby making the robot autonomous.

Intelligent Biwheel Robot

This Intelligent biwheel robot Learning Suite is all in one kit for the robotic enthusiasts. It consists of a microcontroller learning application development system, the Arduino microcontroller series ATmega-328p as the kit comes with an Arduino Uno R3 board and its sensor shield board to mount various sensors and modules. This comes with all essential sensors such as line followers, ultrasonic sensor for obstacle avoidance, Bluetooth transceiver to control the robot with your phone, an infrared remote control and wireless remote control function, and the suite contains a lot of interesting programs, and can expand the external circuit module, thus increasing the use function of the car. The kit also includes 18650 Rechargeable Batteries with Charger and Battery Holder to power your bot, and all required cables, wires, wheels, and essential fittings in the package.



Multifunctional Robotic Car with 4WD



This Multi-Functional Robot Car Chassis Kits UNO R3 For Robot Car Assembly is a simple yet versatile 4WD Robot Car Kit designed specifically for students and hobbyists. Featuring large size chassis plates cut from acrylic and designed with numerous holes and mounting points, providing plenty of space to carry a PCB board and any additional components that you choose. This can be used as a obstacle avoidance robot, a line follower robot, a bluetooth controlled robot, a remote controlled robot and many more. The possibilities are only limited by your imagination.

Wireless Bluetooth Controlled Robotic Car with Gripper

Here is the New Robotic kit which can be operated wirelessly with your phone via Bluetooth. This Smart Robot Car Kit is a great way to get started with four motor robotics and sensor integration using the Arduino programming language. The kit includes everything you need. This Arduino robot kit will teach you how to drive your Arduino robot car, how to have it follow lines, how to control it remotely, and more. This kit doesn't require previous programming or electronics experience but it is recommended that you possess an understanding of or desire to learn about robotics. Also, this Arduino robot acts as a gateway to design and implement various robotics projects using Arduino.



Wireless Remote Controlled Programmable Robotic Car



Here is the New Robot car which can be operated wirelessly using Nrf based Remote control provided out of the box. This Smart Robot Car Kit is a great way to get started with four motor robotics and sensor integration using the Arduino programming language. The kit includes everything you need. This Arduino robot kit will teach you how to drive your Arduino robot car, how to have it follow lines, how to control it remotely, and more.

****Please feel free to share your requirements by filling your details in ask query section on the website, we will be happy to cater your requirement.**