Introduction of Robotic Arm

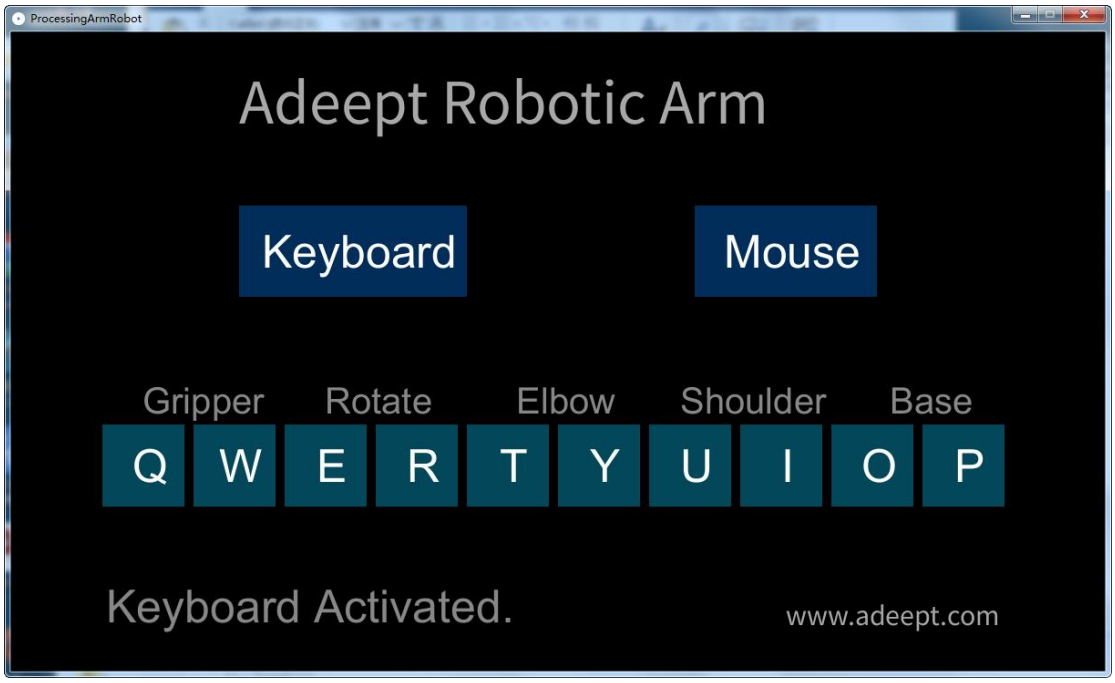
With the advancement of modern science and technology, Robotic Arm are more and more used in human production, life, entertainment, and learning. Now let's learn about the characteristics of Robotic Arm!

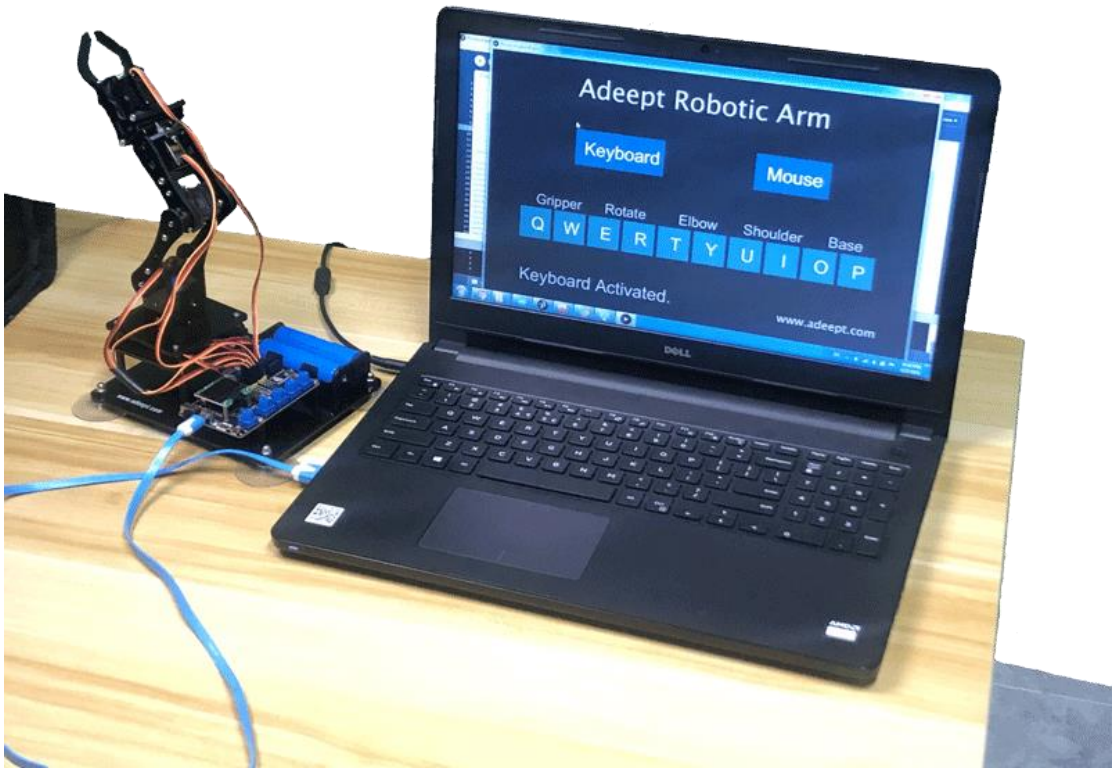
We all know that human energy is limited. For example, when we go to class, do homework, and do exercise for a long time, we will inevitably feel sleepy and our eyes are so dry, so that we may fall asleep quickly after lying down. However, as the vanguard of machine industrial applications, the Robotic Arm can not only perform difficult movements that cannot be accomplished by human arms, but also repeat the work almost endlessly, as long as proper maintenance and continuous power supply are given.

Our Robotic Arm information package provides a wealth of graphic and text tutorials and codes to teach you step by step:

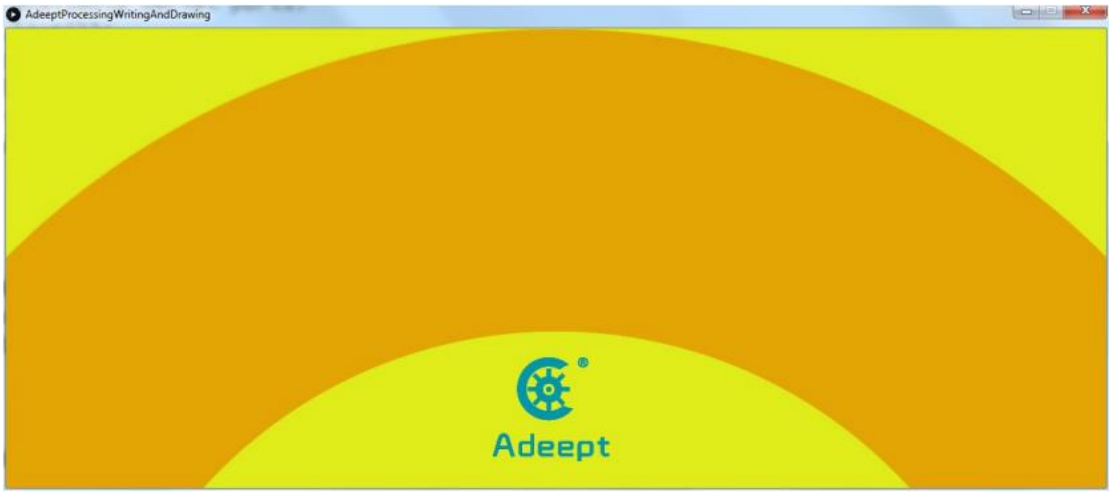
1. How to assemble a Robotic Arm from scratch.
2. How to use the case code to control the Robotic Arm.
3. How to learn PC interface applications written using Arduino and Processing IDE (programming software).
4. How to use the control board with the programmed control program to control the movement of the Robotic Arm through the steering gear (servo motor/steering gear: the servo system used to control the angular position), and then understand the control process of the case code.

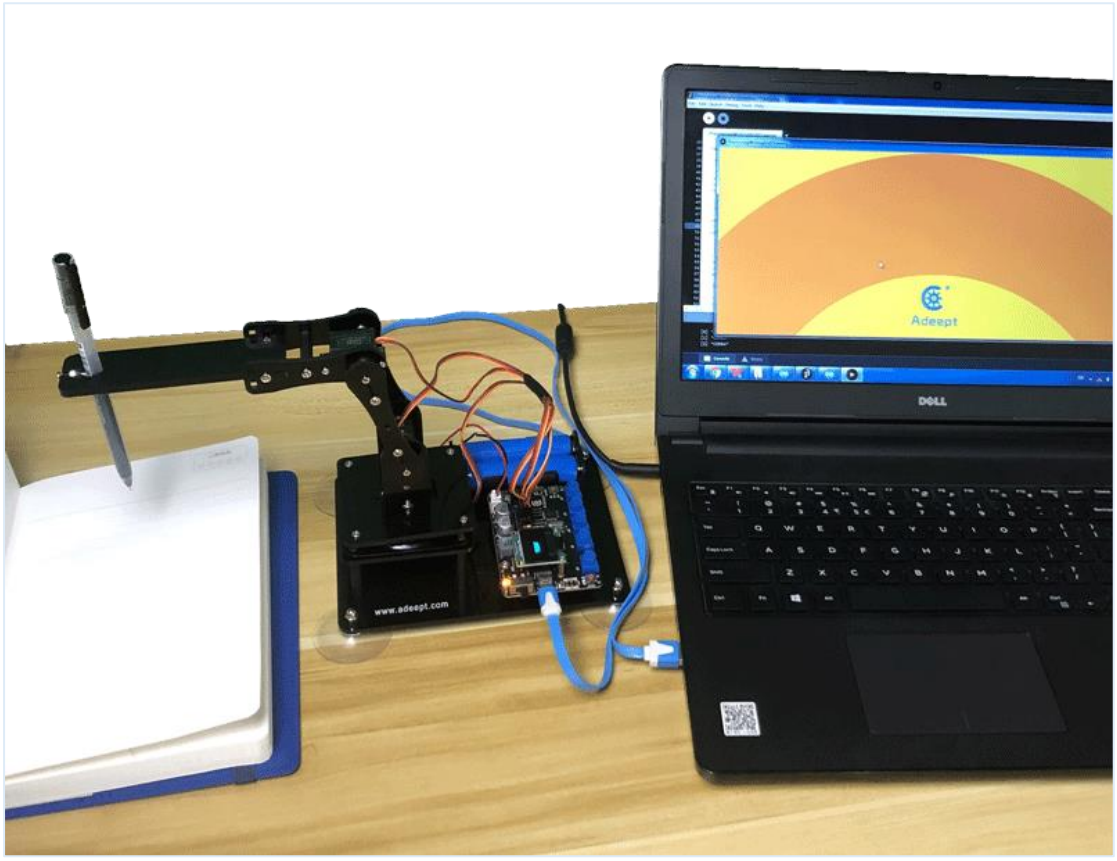
The following figure shows that control of the Robotic Arm movement via a keyboard that communicates over serial.





The following figure shows that controlling the Robotic Arm to write and draw via a mouse using serial communication.





We have added a hardware module (EEPROM) for learning and memory functions on the Robotic Arm Control Board. After the Robotic Arm Control Board is programmed into a program with a learning and memory function, it can record our control actions of each step, and then repeat the actions we recorded, such as repeating moving objects, drawing the same graphics, repeating keyboard input and repeating page turning.