

# Robotic Arm Kit

## 3D Printed Parts :



- The robotic arm kit features **9 uniquely designed 3D-printed components**.
  - Each part is **customizable in color**.
  - The original model was **designed by "RACBOTS" on Printables** and later **remixed by "Innovoltics"** to enhance compatibility.
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## Wire Management :



- To maintain a clean and organized build, the kit includes **3 zip ties** for securing servo wires — **2 are used during assembly**, and **1 is provided as a spare**.
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## Fasteners :



The mechanical assembly utilizes a variety of **fasteners** to ensure stability and durability.

These include:

- **2 × M3 bolts, washers, and nylock nuts** (for wrist joints)

- **2 × M2 screws** (for wrist servo) 2 x M2 Bolt & nut (For PCB Mounting)
- **2 × M2 bolts and nuts** (for PCB mounting)
- **4 × M3 bolts and nuts** (for arm base attachment)

Each component contributes to the precise and stable movement of the robotic arm joints.

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**Demo Code + MIT App Inventor App + Project Files:**



**[Download Software & Demo Code](#)**

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**Robotic Arm Kit Assembly Guide (For Reference):**

**YouTube : [Video Guide](#)**