

Hand Action Recognition Dataset Explanation

Screw: Screwing in and screwing out refer to the actions of inserting or removing a screw from a threaded hole or surface. Here's an explanation of each:

- **Screw-In:** This refers to the process of inserting a screw by rotating it clockwise.
- **Screw-Out:** This refers to the process of removing a screw from a threaded hole or surface by rotating it counterclockwise.

-Tools that we can used in this operation: Screwdriver, spanner, Wrench, E. Screwdriver.

Hammering: When hammering, you use a hammer or mallet to strike an object with force, causing it to deform, shape, or move.

-Tools that we can used in this operation: hammer or mallet.

Plug-Unplug: the process of connecting or disconnecting an electrical appliance or device to a power source by inserting its plug into a compatible outlet.

Open-Close:

- **Open:** Opening involves moving an object or structure from a closed position to an open position.
- **Close:** Closing involves moving an object or structure from an open position to a closed or sealed position.

Click: The click operation involves pressing down and releasing a button or key on an input device, such as a mouse, keyboard, or touchscreen.

Measure: is the process of quantifying or determining the magnitude, extent, size, or quantity of something.

-Tools that we can used in this operation: Roller, Tap. Caliper

Cut: the action of dividing or separating an object or material into two or more pieces using a sharp tool or instrument.

-Tools that we can used in this operation: Saw,Pliers

Tug: encompasses both **pushing** and **pulling** actions, combining the efforts of exerting force in opposite directions.

Cover-Uncover: "Cover" and "uncover" are verbs that describe actions related to concealing or revealing something.

- **Cover:** To cover something means to place or put something over or around it in order to conceal, protect, or hide it from view.
- **Uncover:** To uncover something means to remove or reveal a covering or concealment from it, exposing it to view or making it visible.

Attach-detach Attach" and "detach" are verbs that describe actions related to joining or separating objects or components from each other.

- **Attach:** To attach something means to connect or fasten it to another object or surface.
- **Detach:** To detach something means to separate or disconnect it from another object or surface.

Lift: refers to the action of raising or elevating an object or oneself from a lower position to a higher position.

Piping: tightening or loosening threaded connections.