

Gripping Mechanism

This mechanism is simple as we use in all-day life

Tools required:

1. Two metallic or wooden pieces acting as the hands of the robot.
2. Some nuts and screws.

Mechanism:

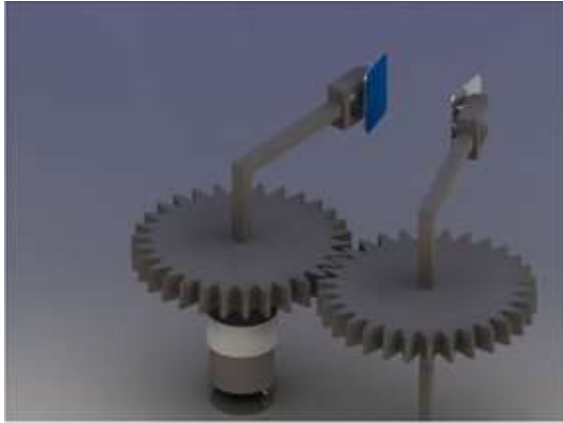
It involves an intensive use of “rack and pinion” gears:

Rack and pinion :

A **rack and pinion** is a type of linear actuator that comprises a pair of gears which convert rotational motion into linear motion. A circular gear called "the pinion" engages teeth on a linear "gear" bar called "the rack"; rotational motion applied to the pinion causes the rack to move relative to the pinion, thereby translating the rotational motion of the pinion into linear motion.



Another way to achieve a picking mechanism is to by rotating two gears simultaneously. The picture below shows how to accomplish this mechanism using gears.



As the motor rotates both the gears will rotate simultaneously and so will the “hands”.

Contact :

MOHIT DHARIWAL +91-9933992777

AYUSH KANWAR +91-8768702045

