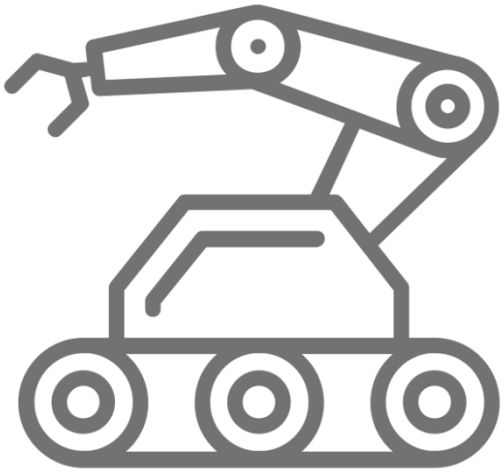
SmartMethodS
الأساليب الذكية

Industrial Robot Arm

Production Line



The first line: shaping the arm

- The arm will be **shaped by 3D printing**.

❖ Some requirements:

1. Mechanical engineers design a 3D model of the arm to verify proper measurements for printing.
2. Check the availability of the appropriate printing material to provide hardness.

The Second line: assembly of the arm.

- The arm will be **assembled manually**.

❖ Some requirements:

1. It must be ensured that the parts fit the installation with the motors.

The third line: packaging.

- Each arm piece is wrapped in **a plastic bag**.
- It is packaged in **a wooden box**.

❖ Some requirements:

1. Ensure that the wooden box meets security and safety standards.
2. Manufacturer's logo printed on the box.
3. Arm data and specifications are printed on the top of the box.

The fourth line: Software.

- Provide **ROS software** with ARM.

  ❖ Some requirements:

  1. Provide the software installation guide on the computer.
  2. Provide operation manual for the arm.
  3. Provide a video tutorial to make sure the process is done in the right way.