

### **List of necessary sensors:**

**1. Position sensor** for Robot:

At the beginning and loading/unloading the paper, the position sensor helps to detect the position of the Robot and make sure the direction of movement is performed correctly.

**2. Proximity sensor** for the Jig 2, Robot

It can able to detect the physical object without any contact. It will be used by Robot and Jig 2 validate if the paper is loaded or unloaded.