

## Detection of faulty product application

Detection of faulty product application will help you in understanding **Shift and Rotate instructions of STEP7 program.**

The following figure shows a conveyor belt moving and the packages on it, the conveyor belt movement is in steps, a photocell at the beginning of the belt is to detect the faulty packages, also a robot arm on the belt which should push the faulty packages out of the conveyor belt, you will design a PLC program which can detect the faulty unit and make the robot arm operate to push them out.

