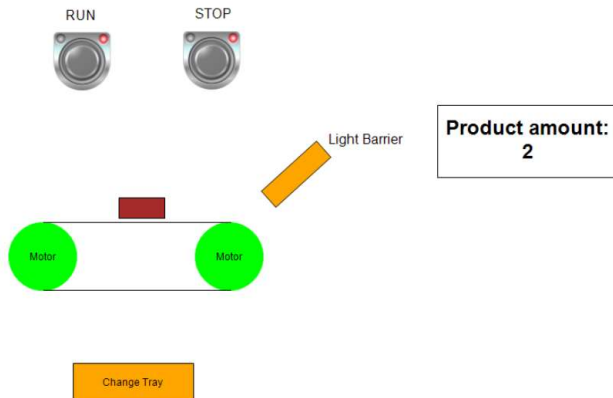**Conveyor Belt**



Conveyor should be started by pushbutton RUN.

Activation works only when total product count is less then 5.

Products are counted by light barrier sensor.

When total product count reaches 5, the motor is switched off.

Then, the tray must be replaced by the operator and this operation must be confirmed with the button „Change Tray". This resets the product counter and motor will be switched on again.

Pushbutton STOP switches off the conveyor and deactivates counter (but not resets it).



```
PROGRAM MAIN
VAR
    RUN                 :   BOOL;
    STOP                :   BOOL;
    MotorStart          :   RS;
    Motor               :   BOOL;
    ProductCnt          :   CTU;
    LightBarrierSensor  :   BOOL;
    ProductCounter      :   WORD;
    TrayChange          :   BOOL;
END_VAR
```