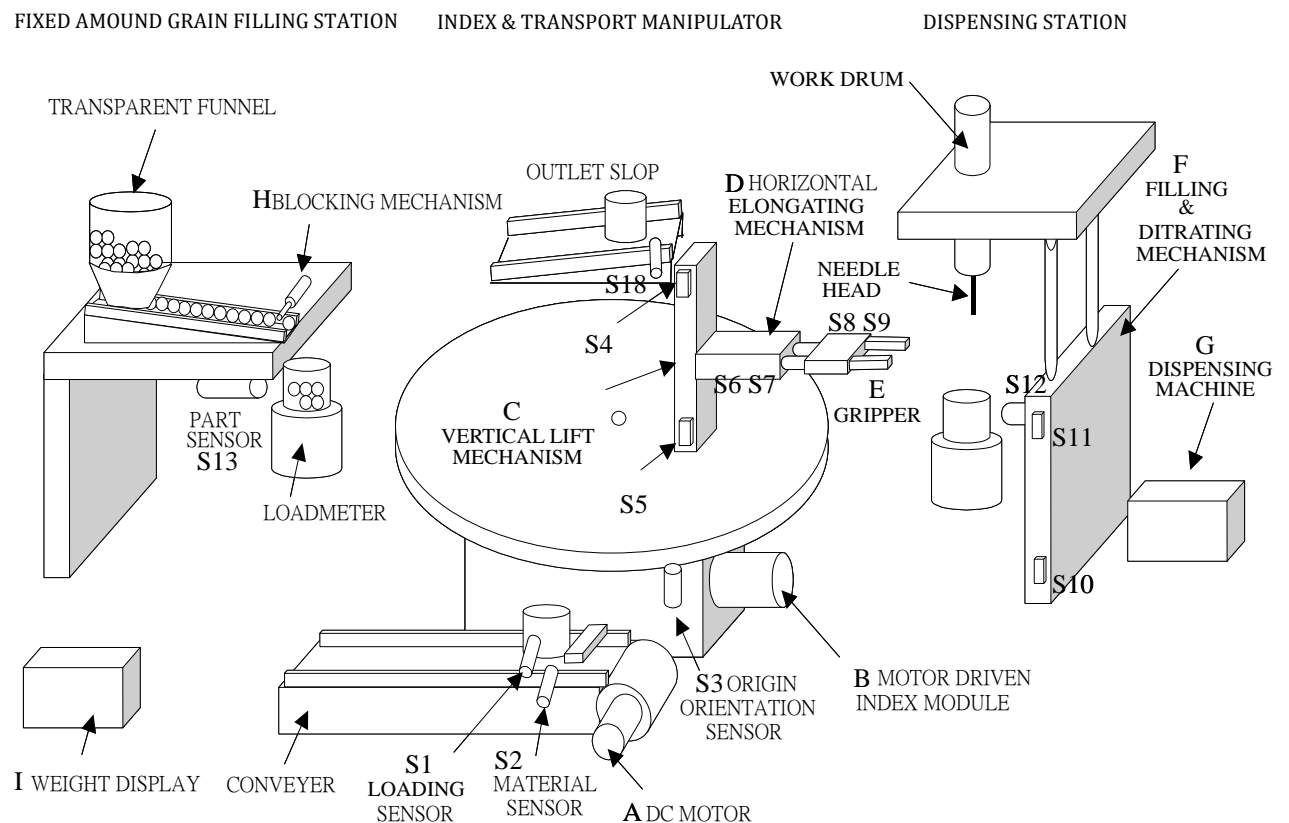


# TOPIC : RECOGNITION OF MATERIAL QUALITY & AUTOMATIC FILLING STATION

## SKETCH OF MECHANISM :



## STATEMENT OF ACTION :

- (—) Machine origin : A no material on conveyer , B index air arm at feed terminal , C vertical lift mechanism at top position , horizontal elongating mechanism D at back position , filling & titrating mechanism F at top position , E gripper opening , G dispensing machine not titrating , H blocking mechanism to stop filling of grain .

(二) Manual function : to make sure the capability of control panel can activate each actuator A~H , index operating on condition of vertical lift mechanism at top position and horizontal elongating mechanism at back position .

(三) Automatic function :

Putting two kind of standard material randomly on left of conveyer , conveyer running , material sensor differentiating coming part(metal or nonmetal) , then handling as following .

1. Metal part : passed by transport manipulator to automatic filling station (turning 90 degree clockwise) , after automatic filling , then to outlet slop .
2. Nonmetal part : passed by transport manipulator to filling & titrating mechanism (turning 90 degree counterclockwise) , after automatic dispensing , then to outlet slop .