PNEUMATIC ARM WITH SENSOR

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ABSTRACT

Pneumatic arm is modeled with several air cylinders connected in perpendicular direction by joints using screws and bolts. Some piece of metal will be added in to adjust the fixed location. One of the air cylinders will act as a gripper to grasp object while the other end will be attached to the supporting base.

Sensor is act like an eye for sensing the presence of the object.

The microcontroller will act as a brain. When it sense something is coming, it will command the air cylinder by adjusting the air valve to grab the object to otter place.

Parts of pneumatic arm;-

Gripper-grasp object Arm-to move the gripper in the X and Y direction Base-serves to support the arm