

RoboNafel – Paper Distributor Robot

Design Idea: Arm robot used to distribution paper by air suctioning using small vacuum.

Design Consideration: I considered some limitations or design parameters to begin my work and those:

- 1) Small
- 2) Lightweight – Easy to Transport
- 3) One Motor Arm
- 4) Lowest mechanical parts possible.

Design Elements : RoboNafel consist of 7 mechanical parts :

- 1) Vacuum
- 2) Head (also containing vacuum and electrical board)
- 3) Arm
- 4) Hose
- 5) Suction Cup
- 6) Motor
- 7) Connector or joint

Motor Choosing: I choose LD-260 motor cause I just need the 180 degree movement + paper is light so I don't need the larger motor.