Brochures Distribution Robot

1. Introduction:

In order to complete this task, a 3D hand sketch for brochures distributor robot with clarification of its working mechanism is required.

2. The idea and its working mechanism:

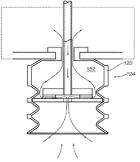
There will be two primary parts in my designed robot:

- 1- Stand (or box) that hold the Brochures attached to the first arm.
- 2- vacuum end effector at the end of the second arm that hold the brochures by using a portable vacuum and simple quantity of pressure to create atmospheric pressure to grip the required surfaces.

For more clarification: https://www.youtube.com/watch?v=Xwa-ws6q-Bg



[1] vacuum end effector connected to robot arm

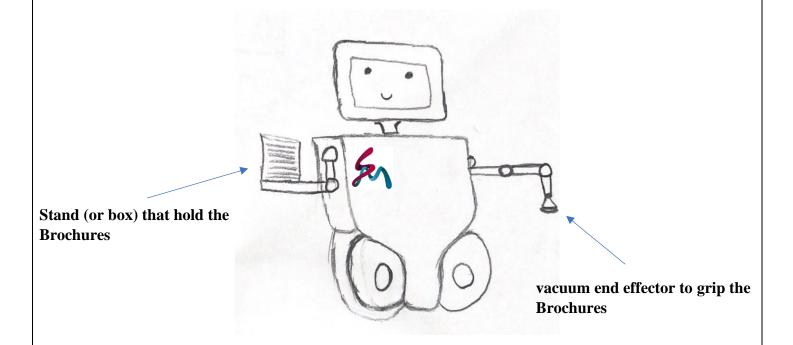


[2] vacuum end effector sketch

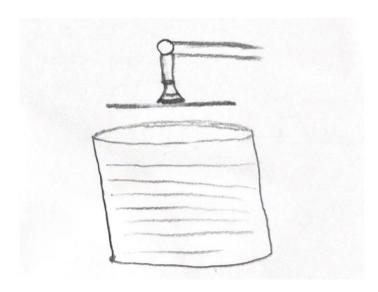


[3] vacuum end effector

3. 3D hand sketch:



A closer look to the mechanism:



2] http://www.patentsencyclopedia.com/imgfull/20110254298_14	References	ww.universal-robots.com/plus/urplus-	-components/handling-gripper	·s/enick/	
3] https://www.schmalz.com/en/vacuum-technology-for-automation/vacuum-components/vacuum-				<u> </u>	
	[3] https://www.schmalz.com/en/vacuum-technology-for-automation/vacuum-components/vacuum-				