

## Vacuum Pick-Up System 220Volts

### AGT5721



### Handle and Transport Grids and Wafers without the use of Tweezers

Use this system for picking up delicate lightweight material with finger-controlled vacuum. Attach various hollow needle tips (5 with system) or rubber cups (3 with system) onto the pick-up pen. Use easy finger control for picking up or releasing.

### Not for wet or corrosive materials.

The Vacuum Pick-Up System is powered by a 220V, 50Hz cycle low wattage vibrator-type pump. The unit comes fully assembled except for the accessories. The accessories consist of 4 feet of lightweight plastic hose, an in-line filter, five assorted stainless steel tips, 3 cups and a Vacuum Pick-up Pen. The in-line filter is placed adjacent to the pump with the four-foot plastic hose following. The individual needles are used according to the customer's pick-up requirements. The size of the needle selected depends on the size of the article for pick-up. If soft, easily marred wafers are to be picked up, the small vacuum cups may be put at the end of the needle.

After turning the unit on, the Vacuum Pick-Up Pen is placed under the index finger with the small opening pointed toward the index finger. When one wishes to “pick up”, the index finger is placed over the hole so that vacuum is drawn through the needle or cup. The part is released by lifting the index finger off of the opening. The procedure is repeated until the work is completed.

The Vacuum Pick-Up System has a vacuum spec of 8" Hg. This equates to a suction force of 2.75g/mm<sup>2</sup>. Due to cup deformation and leakage, we have determined the practical lifting capacity for the cups and tips as:

Practical Lifting Capacity			
Cup or Tip Prod. No.	Cup or Tip Size	Size in mm	Lifting Capacity in g
520-4	Vac Cup 0.4"	10.16	70
520-5	Vac Cup 0.25"	6.35	35
520-6	Vac Cup 0.14"	3.56	10
520-7	Tip, 12 gauge	2.77	5
520-8	Tip, 16 gauge	1.65	1
520-9	Tip, 18 gauge	1.27	0.5
520-10	Tip, 20 gauge	0.9	0.3
520-11	Tip, 25 gauge	0.52	0.05

