

UPKTECH VL-M-TN Vacuum Type PCB Loader

I. Introduction

Automatic board sucker is used for automatic board loading operation of double-sided boards and optical boards in SMT production lines. Special aluminum alloy mechanism for clearer understanding of MAGAZINE operation status. Stable one-piece casting lifting table structure design improves the stability of the equipment. Three-point positioning type up and down pneumatic tightening is adopted to ensure the accurate position of the material box. Adjustable push plate speed control.



II. Product Features

1. Special aluminum alloy mechanism for better understanding of Magazine's operating status.
2. Stable one-piece casting lifting platform structure design, improve the stability of the equipment
3. Multi-functional electrical circuit and program design, stable performance, to ensure smooth production line.
4. 4 kinds of PITCH selections in the board loading part of the magazine, and the step distance of PCB feeding can be set.
5. Adopt LED three-color working indicator, 7-inch colorful human-machine interface control.
6. Suction nozzle positioning adopts universal positioning mechanism, which can be adjusted according to the characteristics of PCB board.
7. Suction board on the board part of the board storage device with lifting function
8. The material box adopts engineering flat plastic tape transmission
9. Adjustable speed control of pushing board
10. Three-point positioning type up and down pneumatic tightening to ensure the accurate position of the material box.
11. Push the board protection system to ensure that the PCB board will not be back bad, reduce the process loss
12. Standard SMEMA communication interface, can be connected with other automation equipment.

III. Technical Parameters

Content	Parameter
Description	This unit is used for automatic loading operation of double-sided boards and transceiver board
No.of magazine	Upper Conveyor:1 magazine lower conveyor:2magazine
Indexing pitch	10.20.30.40mm or specify
Maximum PCBs capacity	400pcs(0.6mm thick PCB)
Cycle time	Approx.12seconds or specify
Powersupply	AC1P110V/220V
Power	Max 300VA
Air pressure	4-6bar, 30ltr/min max
Transport height	900±20mm(Or customized)
Transport direction	From left to right or right to left

IV. Model Size

Model	Dimension(L*W*H MM)	PCB size(MM)	Rack size(L*W*H,MM)	Weight(KG)
VL-M-TN	1800*865*1250	50*80-330*250	355*320*563	200
VL-L-TN	2220*945*1250	50*80-445*330	460*400*563	240
VL-LL-TN	2450*1110*1250	50*80-530*390	535*460*563	280
VL-XL-TN	2450*1250*1250	50*80-530*460	535*530*563	320

V. Details



VI. Operation diagram

