

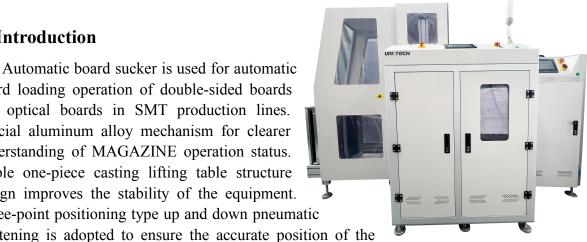
UPKTECH TECHNOLOGY LIMITED

2nd Floor, Building 2, No. 5, 8th Road, Songgang Street, Bao'an District, Shenzhen, Guangdong Tel: +86 138 2525 8612 Postcode: 518105

UPKTECH VL-M-TN Vacuum Type PCB Loader

I. Introduction

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

- Special aluminum alloy mechanism for better understanding of Magazine's operating status.
- Stable one-piece casting lifting platform structure design, improve the stability of the equipment
- 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.
- 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
- 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.



UPKTECH TECHNOLOGY LIMITED

2nd Floor, Building 2, No. 5, 8th Road, Songgang Street, Bao'an District, Shenzhen, Guangdong Tel: +86 138 2525 8612 Postcode: 518105

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*25	355*320*563	200
VL-L-TN	2220*945*1250	50*80-445*33	460*400*563	240
VL-LL-T N	2450*1110*1250	50*80-530*39	535*460*563	280
VL-XL-T N	2450*1250*1250	50*80-530*46	535*530*563	320



UPKTECH TECHNOLOGY LIMITED

2nd Floor, Building 2, No. 5, 8th Road, Songgang Street, Bao'an District, Shenzhen, Guangdong Tel: +86 138 2525 8612 Postcode: 518105

V. Details





VI. Operation diagram

