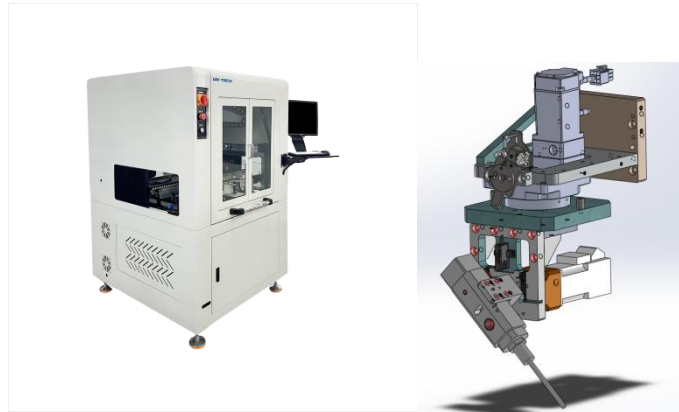


Inline dispenser machine (UPKTECH-850D)

(1) Equipment picture:



(2) Device parameters:

Function configuration	Technical parameters and description	Function configuration	Technical parameters and description
Device model	UPKTECH-850D	Conveying height	910±20mm
Equipment Dimensions	L=1060mm 、 W=1300mm 、 H=1700mm	Transfer speed	2-25m/min
Equipment weight	Approx.850kg	Conveyor track	Special hard aluminum alloy track + stainless steel chain with ribs
Control method	Industrial computer + eight-axis motion control card	AM mode	Software Interface Electric AM
Running software	HAIPAI motion control software + Windows 10 system	AM speed	250mm/min
Programmatically	Teaching pendant/keyboard and mouse set	PCB edge space	≥5mm
Number of spindles	X、 Y、 Z、 U、 R 5 axis	Transmission motor	Dual stepper motor control can realize automatic speed adjustment
Spindle drive	Servo motor + ball screw module maximum moving speed 600-800mm/sec	Communication port	Standard SMEMA connector
Dispensing work scope	X:450mm Y:450mm	Single dispensing width	Optional needles
Valve body type quantity	1 silicone suction dispensing valve H-N02 (the capacity of the glue supply system is subject to the glue packaging or customer requirements)	Equipment air pressure	0.4~0.6Mpa
U、 R axis	Servo motor + hollow rotating	Device power	AC220V 50HZ

configuration	platform driven rotation	supply	
Max movement speed	600-800mm/sec	Total equipment power	1.8kw
Max height of component	The conveying surface is 110mm above and below	Standard features	LED lighting
Spindle repeatability	±0.02mm	Standard features	Automatic soaking and spitting function
Number of tracks	2 pieces, fixed side forward		Electrostatic interface

(3) Device functions:

- The equipment can choose the offline operation mode of in and out in the same direction and the online operation mode of left in and right out, providing one-click change function for the trial production stage and subsequent online upgrades;
- The dispensing body moves in five axes of X, Y, Z, U, and R to accurately realize the selective dispensing process of various circuit boards to avoid connectors and other non-dispensing areas. The two-axis control double-stepping conveying method can be stepless Change the conveying speed, improve work efficiency and slow down the intensity of plate loading; computer control automatically adjusts the width of the conveying guide rail, with a total of eight-axis card control, all axes can be linked to each other, and the function is powerful;
- It can realize multi-trajectory spraying such as dot coating, linear spraying, curve spraying, etc. It can complete high-density complex circuit board dispensing process and can effectively realize the dispensing process at the pins of special-shaped components;
- Track width adjustment range: 50-450mm standard configuration
- Exhaust air requirement: 900 cubic meters/hour
- Whole line docking: The equipment is equipped with SMT industry standard SMEMA interface, which can be used for signal docking with other equipment.

(4) Main configuration list:

No	Name	Brand	Unit	Qty	Usage
1	Servo motor (motor)	Fuji/富士	unit	5	For X/Y/Z axis motion
2	Server Driver	Fuji/富士	unit	5	Drive related axis motor movement
3	Stepper Motor/Driver	STD	unit	3	Transport shaft and modulating shaft motors
4	switching power supply	Mean well/ 明纬	unit	2	Equipment weak power supply
5	U-shaped sensor	Omron	piece	4	Location targeting
6	Photoelectric Sensors	FOTEK/LS61	piece	3	PCBA induction

7	Industrial computer	Advantech/ 研华	unit	1	Motion control computer
8	Motion control card	HAIPAI	piece	2	Motion control system, independently developed
9	LCD Monitor	DELL/戴尔	unit	1	Human-machine interface display
10	Air source processor	AirTAC/亚德 克	piece	1	Equipment air source control
11	Slide cylinder	XINCHEN/SM C	piece	2	Glue valve pneumatic component control
12	A pressure (regulating valve)	NNT/XINGCH EN/SMC 同 款	piece	1	for air pressure regulation
13	Pressure digital display	NNT/SMC 同 款	piece	1	Barometric pressure display
14	Solenoid valve	NNT/SMC 同 款	piece	4	Pneumatic component control
15	Pressure switch	AirTAC/亚德 克	piece	1	Pressure switch
16	Double rod cylinder	XINCHEN/SM C 同款	piece	2	PCBA board positioning
17	Shut-off valve	XINGCHEN	piece	8	Air pressure control
18	Tracheal joint	XINGCHEN	piece	several	Air line transfer
19	Screw module	HIWIN	set	3	X/Y/Z axis