

Machine Features



SMT manipulator-GH-1001

- **1. Simple installation and debugging, no need for gas, 220V AC can work.**
- **2. Strong functionality:**
 - ① The equipment comes with two position sensors to ensure that there will be no stacking or pressing of plates and to ensure product quality.
 - ② The equipment can only choose two positions to place the board, which improves the speed of placing the board and the utilization rate of the assembly line space.
 - ③ The device comes with a docking station function, which can be used for a variety of purposes;
- **3. Strong versatility, the equipment is driven by a stepping motor to drive the ball screw and the slider to move, which ensures the smoothness of the movement and the accuracy of the position. The position can be arbitrarily modified within the stroke range.**
- **4. Stable quality, simple structure and low maintenance cost.**

Machine Parameter

Major Parts		Tech parameter		Device parameter		
Control parts	XINJE	Operating Voltage	Single phase 220V	Size of board	60*40-520*400	Support any size customization
Power parts	Schneider	power	≤500W	travel itinerary	950mm	Support any size customization
Motor parts	Panasonic	Operating environment	0-30°	Sheet metal length	830mm	Support any size customization
Drive parts	Precision Lead Screws and Sliders	Signal interface	Suitable for any SMT automation equipment	Conveyor length	Standard 1m, 1.2m, 1.5m	Support customization between 0.63-2.0m

Machine Features



Automatic visual screen printer-H5

- **1.** The combination of high-precision camera and telecentric lens and coaxial light source ensures that Mark points can be well identified and PCB boards of various colors such as copper-plated, tin-plated, gold-plated, etc.
- **2.** The gantry type scraper beam, the scraper is controlled by motor, and the scraper force can be digitally controlled. The carrier of the stencil is suitable for the stencil used by the customer in the past semi-automatic or without a vision printing machine to ensure the uniformity of the customer's stencil.
- **3.** The Window10 system simplifies the operation steps and optimizes the process, so that the operator can automatically and independently complete the programming of the line change product after one training.

Machine Parameter

Technical parameters and specifications		
Category	Name	Technical Parameters
PCB board parameters	Stencil size	470*370---800*700
	PCB size	50*50mm-520*300mm
	PCB thickness	0.4-6mm
	PCB weight	<3kg
	Overboard height	15mm
	Transmission height	900 ± 40mm
	Transfer speed	1000mm/s(Max)
	Transfer method	One stage one-stage transport rail
	Substrate clamping	Manual upper pressing, flexible side clip
	Substrate Support Method	Magnetic thimble or contour block, manually adjustable jacking platform
Printing parameters	Printing Snap-off	0-20mm
	printing mode	Single or double doctor blade printing
	Scraper type	Steel scraper 60 degrees (angle 45/55 optional), optional squeegee
	Printing speed	10-200mm/sec
	Printing pressure	0.5-5Kg
Printing accuracy	System alignment accuracy and repeatability	±0.01mm
	Actual solder paste placement repeatability	±0.05mm
Image and platform range	Image Field of View (FOV)	8*8mm
	Datum point type	Standard shape fiducials, pads, openings
	Platform scope	Y±4MM X±4MM θ±2°
	Camera system	Imaging under vision systems, industrial cameras
Device parameters	Power requirements	AC 220±10%,50/60HZ, 1.5KW
	Compressed air requirements and air consumption	4-6 Kg/cm ² Air consumption about 5L/min
	Working temperature	-20°C--+45°C
	Working environment humidity	30%-60%
	Machine height (remove tri-color light)	1180(L)mm 1120(W)mm 1500(H)mm
	Machine weight	800Kg

Please visit

www.smthelp.com

Find us more

<https://www.facebook.com/autoinsertion>

Know more our team

<https://cn.linkedin.com/in/smtsupplier>

Welcome to our factory in Shenzhen China

See more machine working video, please Youtube

[Auto Insertion](#)

Google

Auto+insertion, to get more informations

Looking forward to your email

info@smthelp.com