

GKG G9 - Fully Automatic SMT Stencil Printer Used/ New

Description

GKG G9 automatic tin paste printing machine is a high-end model for SMT high-end application, which can satisfy the printing process requirements of 03015,0.25 pitch, high precision and high speed.

G9 is high accuracy and high stability of the fully automatic printing machine vision,GKG followed in SMT industry is the development trend of production of a new generation of fully automatic printing machine with the international leading technology synchronous vision, visual processing of high resolution, high precision of the transmission system, suspension adaptive scraper.



Machine performance	
Repeat position accuracy	$\pm 10\mu\text{m}@6\sigma$, CPK ≥ 2.0
Print accuracy	$\pm 18\mu\text{m}@6\sigma$, CPK ≥ 2.0
NCP-CT	7s
HCP-CT	18s/pcs
Process CT	4min
Change line CT	2min
Substrate processing parameter	
Max board size	450*340mm
Min board size	50*50mm
Board thickness	0.4~6mm
Camera mechanical range	450*340mm
Max board weight	3kg
Board adge clearance	2.5mm
Board height	15mm
Transport speed	900 \pm 40mm
(Max) Transport speed	1500mm/s max

Transport direction	One stage
Transmission direction	Left to right
	Right to left
	In and out the same
Support system	Magnetic pin
	Support block
	Manual up-down table
Board clamp	Automatic top clamping
	Side clamping
	Adsorption function
Printing parameters	
Print speed	10-200mm/s
Printing pressure	0.5~10kg
Print mode	One/twice
Squeegee type	Rubber, squeegee blade (angle 45/55/60)
Snap-off	0-20mm
Snap speed	0-20mm/s
The template frame size	470*370mm-737*737mm (thickness 20-40mm)
Positioning mode of steel mesh	Automatic Y-direction positioning
Cleaning parameters	
Cleaning system	Dry, wet, vacuum, three modes
High speed cleaning	Integrated & weave cleaning
Cleaning system	Side spray type
Cleaning stroke	Automatic generation
Cleaning position	Pre cleaning
Cleaning speed	10-200mm/s
Cleaning fluid consumption	Auto/Manually adjustable
Cleaning water consumption	Auto/Manually adjustable
Vision parameters	

CCD FOV	10*8mm
Camera type	130 thousand CCD digital camera
Camera system	Lock up/down optic structure
Camera cycle time	100ms
Fiducial mark types	Standard fiducial mark shape
	Round, square, diamond, cross
	Pad and profile
Mark size	0.1-6mm
Mark number	Max. 4pcs
Stay away number	Max. 1pc
Machine parameter	
Power source	AC 220 ±10%, 50/60Hz 2.2KW
Air pressure	4~6kgf/cm ²
Air consumption	~5L/min
Operating temperature	-20°C~+45°C
Working environment humidity	30%-60%
Machine dimension (without	1172(L)*1385(W)*1530(H)mm
Machine weight	Appr 1000kg
Equipment load bearing	650kg/m ²