GKG | 凯格精机

GT++

Fully Automatic Solder Paste Printer

Technical Specification

Machine Performance	
Repeat Position Accuracy	±10um@6σ，CPK≥2.0
Print Accuracy	±17um@6σ，CPK≥2.0
NCP-CT (Cleaning and printing not included)	<7.5 sec
HCP-CT (Cleaning and printing included)	18s/pcs
Process CT	4min
Transfer Line CT	2min
Substrate processing parameter	
Maximum board size	510*510mm (Optional upgrade to: 610*510mm)
Minimum board size	50*50mm
Board thickness	0.4~6mm
Camera Mechanical range	528*510mm
Maximum board weight	5kg
Board edge clearance	2.5mm
Board height	25mm Beyond the special toppin
Transport speed	900 ± 40mm
(Max) Transport speed	Segment control，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
	Patented over the top clamping
Board clamp	Automatic top clamping
	Side clamping
	Adsorption function

Printing Parameters	
Print Speed	10~200mm/sec
Print Pressure	0.5~20Kg
Print Mode	One/Twice
Queegee Type	Rubber/Squeegee Blade (angle 45/55/60)
Snap-off	0~20mm
Snap-Speed	0~20mm/sec
The template frame size	470*370mm~737*737mm
Stencil positioning method	Automatic Y-directional 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	Post cleaning
Cleaning Speed	10-200mm/sec
Cleaning fluid consumption	Auto & Manually adjustable
Cleaning paper consumption	Auto & Manually adjustable
Vision Parameters	
CCD FOV	10*8mm
Camera type	130 Thousand CCD Digital camera
Camera System	Lock up/down optics 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: 1pcs

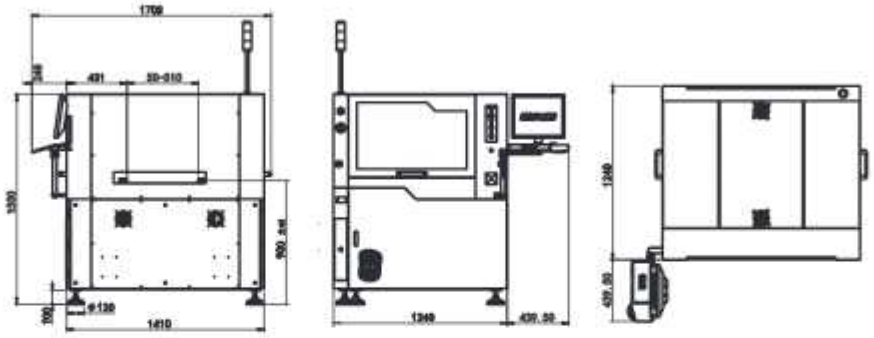
Machine parameter	
Power Source	AC:220 ±10%, 50/60Hz 2.2KW
Air Pressure	4~6Kgf/cm²
Air Consumption	Approx.5L/min
Operating Temperature	-20℃~+45℃
Working environment humidity	30%~60%
Machine dimension (without Tower light)	1500(H) mm
Machine Length	1240(L) mm
Machine Width	1410(W) mm
Machine Weight Approx	Approx: 1100Kg
Equipment load bearing requirements	650Kg/㎡

⚠ Declaration: GKG reserves the right to modify the technical parameters without prior notice, please consult the factory for specific specifications.

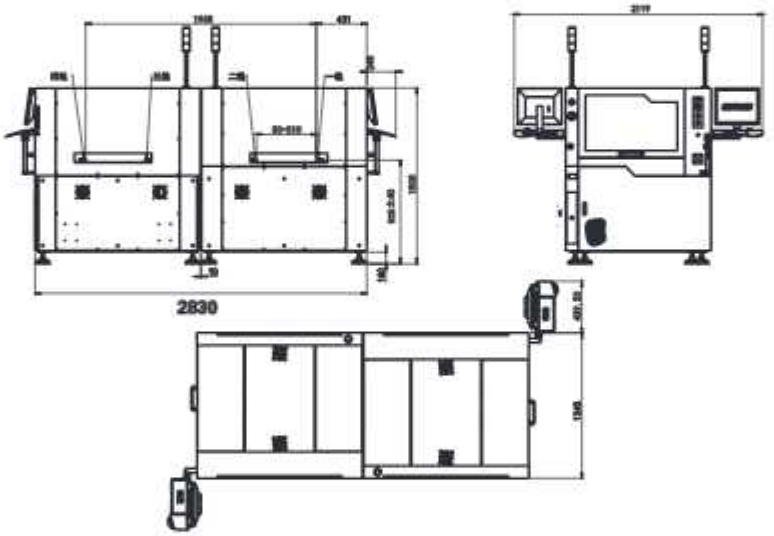
Appendix

一、Equipment body

1. Model： GT++
2. Size ： 1240(front length)*1410(side depth)*1500(height)mm



BTB Dimensional appearance diagram



3. Main power supply:AC:220±10%,50/60HZ3KW stable power supply with rated current,plug type:imperial. The electrical interface is shown in the figure above:
4. Main air supply source: stable pressure of 4.0~6kgf/cm² industrial air source. Gas pipe diameter 6mm/8mm/10mm /12mm gas pipe front connector universal, rear connector can be matched with gas pipe size
5. Machine weight: about 1100Kg

二、Equipment use environment

1. Workshop temperature: a 20 °C ~ +45 °C
2. Workshop humidity: 30-60%
3. Electrostatic protection: ESD grounding and electrostatic protection required
4. Floor load-bearing: If the equipment is not used on a flat floor, please pay attention to the floor sink load-bearing, the load-bearing should be ⩾ 650kg/m²