

GDK Galaxy Plus Printer



**Industry leading products backed
by excellent service and support**

Galaxy Plus Printer

PCB Paramete

Maximum board size (X x Y)	450mm x 350mm
Minimum board size (X x Y)	50mm x 50mm
PCB thickness	0.4mm ~ 6mm
Warpage	≤1% Diagonal
Maximum board weight	3Kg
Board margin gap	Configuration to 3mm
Maximum bottom gap	20mm
Transfer speed	1500mm/s (Max)
Transfer height from the ground	900 ± 40mm
Transfer or bit direction	L- R, R - L, L - L, R - R
Transfer mode	One stage orbit
PCB clamping method	Programmable elastic side clamp + Automatic adjustment plate thickness + Mdge locking of base Plate pressing (Option: 1. Bottom integral cavity type vacuum; 2. Bottom multi-point local vacuum)
Support method	Magnetic thimble + Equal high block. (Optional: 1. vacuum suction cavity; 2. special workpiece fixture)

Printing parameters

Printing head	Floating intelligent printing head (two independent direct connected motors)
Template frame size	470mm x 370mm ~ 737 mm x 737 mm
Maximum printing area (X x Y)	450mm x 350mm
Squeegee type	Steel/Glue Squeegee (Angel 45°/50°/60° matching the printing process)
Squeegee length	300mm (optional with length of 200mm-500mm)
Squeegee height	65±1mm
Squeegee thickness	0.25mm Diamond-like carbon coating
Printing mode	Single or double Squeegee printing
Demoulding length	0.02 mm - 12 mm
Printing speed	0 ~ 200 mm/s
Printing pressure	0.5kg - 10Kg
Printing stroke	±200 mm (From the center)

Cleaning parameters

Cleaning mode	1. Drip cleaning system; 2. Dry, wet and vacuum modes
Length of cleaning and wiping plate	380mm (optional with 300mm, 450mm, 500mm)

Image parameters

Field of view	8mm x 6mm
Platform adjustment range	X:±5.0mm, Y:±7.0mm, θ:±2.0° Benchmark point type
Benchmark point type	Standard shape benchmark point (SMEMA standard) , solder pad/openings
Camera system	Independent camera, upwards/downwards imaging vision system, geometric matching location

Performance parameters

Repeat position accuracy	± 10.0μm @ 6 σ, Cpk ≥ 2.0
Repetition accuracy	± 20.0μm @ 6 σ, Cpk ≥ 2.0
Cycle time	<7s (Exclude printing and cleaning)
Product changeover	<5min

Equipment

Power requirements	AC220V ± 10%, 50/60HZ, 15A
Compressed air requirements	4~6Kg/cm²
Operating system	Win7
External dimension	1152mm(L) x 1415mm(W) x 1540mm(H) (Without light, monitor and keyboard)
Machine weight	Approx 1000Kg



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