GLUDITEC
Glue & Dispensing Technology

Technical Data Sheet

IGC-320

Conformal Coating System

IGC-320 GLUDITEC Conformal Coating System, a pinnacle of precision and efficiency in the circuit board coating process. With dynamic X, Y, and Z three-axis movement, this system ensures accurate and selective spraying, expertly avoiding non-coated areas like connectors. The IGC-320 excels in multi-trajectory spraying, including point coating, linear spraying, and curve spraying, facilitating high-density and complex circuit board processes with ease. Notably, it achieves uniform coating along device edges, eliminating the shadow effect for flawless results.

The transmission and control system boasts high speed, reliability, and stability, making it ideal for high-density complex circuit board spraying and dispensing processes. The programming mode offers seamless data input with automatic programming through user-friendly software. Additionally, the equipment is equipped with SMT industry-standard SMEMA interfaces for whole-line docking, ensuring seamless signal integration with other devices. Elevate your conformal coating processes with the precision and versatility of the IGC-320 GLUDITEC Conformal Coating System, designed to meet the demands of modern circuit board manufacturing.

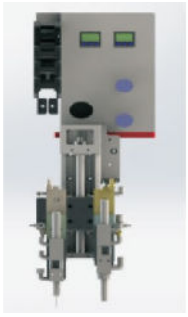
IGC-320

Conformal Coating System

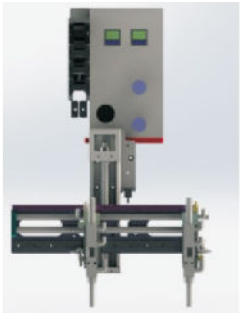
FEATURES

- This machine utilizes a three-dimensional movement across the X, Y, and Z axes to precisely apply selective conformal coating on various circuit boards while ensuring areas such as connectors remain uncoated.
- It boasts the capability to execute multiple spraying patterns including dot application, linear coverage, and contoured coating, making it adept at handling intricate and densely populated circuit boards.
- The device is designed to uniformly cover device edges and counteract any potential shadowing effects during the spraying process.
- It features a transmission and control system characterized by its rapidity, dependability, and stability for executing complex spraying and dispensing tasks on dense circuit boards.
- The programming aspect is streamlined through automated software that simplifies data input for programming tasks.
- Integration with existing production lines is seamless thanks to the inclusion of SMEMA standard interfaces for straightforward communication with other equipment in the SMT industry.

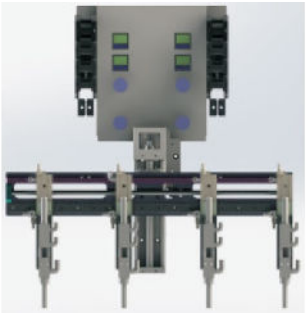
VALVE CONFIGURATION



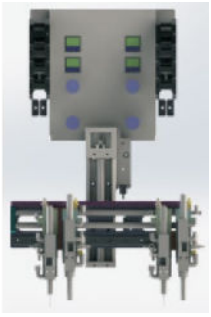
IGC-320



IGC-3202



IGC-3204



IGC-320D

SPECIFICATION

Properties	IGC-320	IGC-3202	IGC-3204	IGC-320D
External dimensions	L1060mm x W1300mm x H1700mm			
Device platform	T5 stainless steel plate			
Control mode	Industrial computer & board control			
Programming method	Manual teaching			
PCB transmission height	910±20mm			
Transportation speed	0 ~ 5000 mm/min			
Conveying method	Chain conveyor			
Transmission motor	Motor acceleration reducer			
Conveying width	50 ~ 450mm adjustable			

IGC-320

Conformal Coating System

SPECIFICATION

Properties	IGC-320	IGC-3202	IGC-3204	IGC-320D
Element height	Up & down Max. 110mm			
Width adjustment method	Intelligent electric adjustment			
Three axis drive	Servo motor + precision screw module drive			
Running speed	Max. 800mm/s			
Repetitive accuracy	±0.2mm			
Valve Set	01 Dispensing Valve & 01 Micro Spraying Valve	02 Synchronization Spraying Valve with adjustable coating distance	04 Synchronization Spraying Valve with adjustable coating distance	02 Dispensing Valve & 02 Spraying Valve with group adjustable coating distance
Tank Volume	10L Glue Tank & 2L Cleaning Tank			
Equipment power supply	AC220V/ 50Hz/ 1.8kW			
Equipment air source	4~6kgf/cm^2			
Equipment weight	Appox. 500kg			
Standard features	Equipped with cleaning function Equipped with lighting source & fluorescence detection light source			