

## IGC-520

### Conformal Coating System

Introducing the IGC-520 GLUDITEC Conformal Coating System, setting a new standard in precision and performance for circuit board spraying technology. With the advanced X, Y, Z three-axis movement, this system impeccably achieves selective spraying for various circuit boards, ensuring meticulous coverage while avoiding non-coated areas, including connectors. Building upon the strengths of the IGC-420, the IGC-520 takes precision to the next level with an upgraded three-axis driver and a higher quality drive platform.

This cutting-edge system retains the versatility of multi-trajectory spraying, accommodating point coating, linear spraying, and curve spraying with ease. The IGC-520 excels in completing high-density and complex circuit board spraying processes, ensuring uniform coating along device edges and eliminating the shadow effect for flawless results. The transmission and control system boast exceptional speed, reliability, and stability, while the intelligent electric width adjustment function enhances user convenience.

Experience the pinnacle of conformal coating technology with the IGC-520, where the superior three-axis driver and high-quality drive platform combine to deliver unparalleled precision, efficiency, and reliability in circuit board manufacturing. Elevate your production processes and achieve consistently exceptional results with the IGC-520 GLUDITEC Conformal Coating System.



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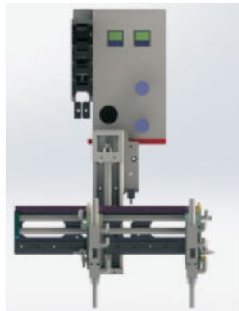
### FEATURES

- This system utilizes a three-dimensional movement across the X, Y, and Z axes to precisely apply selective conformal coatings on various circuit boards, ensuring areas such as connectors remain uncoated. It supports multiple spraying patterns, including point coating, linear spraying, and curve spraying, making it suitable for high-density and intricate circuit board applications. This capability ensures an even coating around device edges and reduces the shadow effect often seen in spray applications.
- The system is built on a transmission and control framework that promises speed, reliability, and stability. It is adept at handling complex circuit board coating and dispensing tasks with high precision.
- Features an intelligent electric width adjustment function that automatically adjusts to the input board's width for optimal positioning.
- For seamless integration into production lines, this equipment comes with standard SMEMA interfaces for the SMT industry, allowing for efficient signal integration with other machinery.
- In essence, this conformal coating system offers a sophisticated solution for applying protective coatings on complex circuit boards with high efficiency and accuracy.

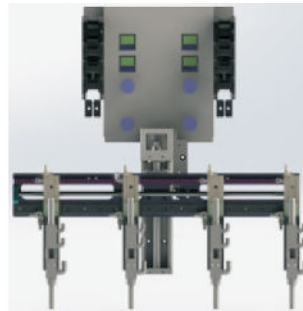
### VALVE CONFIGURATION



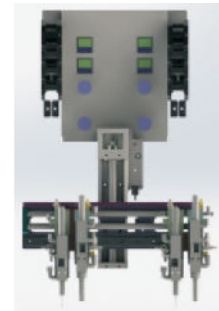
IGC-520



IGC-5202



IGC-5204



IGC-520D

### SPECIFICATION

Properties	IGC-520	IGC-5202	IGC-5204	IGC-520D
External dimensions	L1060mm x W1300mm x H1700mm			
Device platform	T25 stainless steel plate			
Control mode	Industrial computer & motion control card			
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			

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### SPECIFICATION

Properties	IGC-520	IGC-5202	IGC-5204	IGC-520D
Element height	Up & down Max. 110mm			
Width adjustment method	Intelligent electric adjustment			
Three axis drive	Servo motor + fully enclosed screw module drive			
Running speed	Max. 1000mm/s			
Repetitive accuracy	±0.02mm			
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 <sup>2</sup>			
Equipment weight	Approx. 700kg			
Standard features	Equipped with cleaning function Equipped with lighting source & fluorescence detection light source			