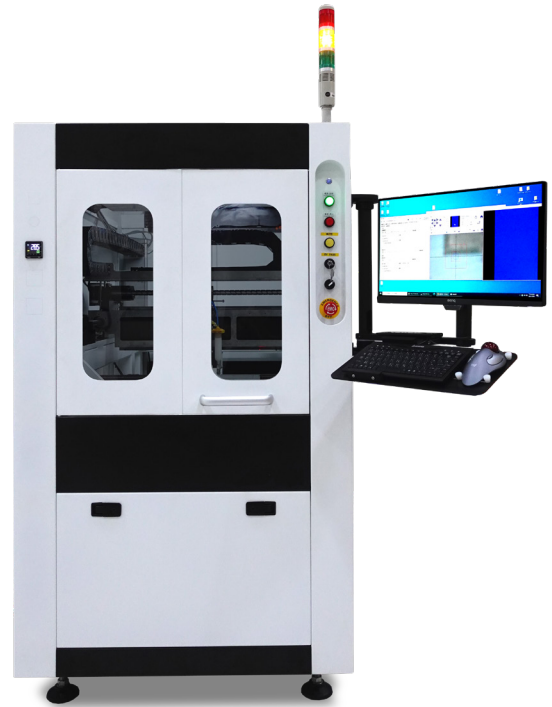


# GLE / GLLM Series

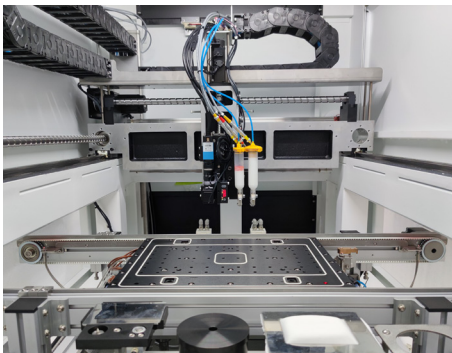
Accurate/Versatile/Intuitive  
precision dispensing robot

**Designed for General  
Dispensing Applications with  
Precision and Competitive  
Total Cost of Ownership**



## SUITABLE FOR MOST OF PRECISION DISPENSING APPLICATIONS

GLE / GLLM series is suitable for applications requiring high precision dispensing such as smt glue dot dispensing, encapsulation, potting, COB, underfill, LCD display, solder paste jetting, camera lens bonding, camera module epoxy sealing, smart phone glass/metal case bonding, dam & fill and conformal coating.

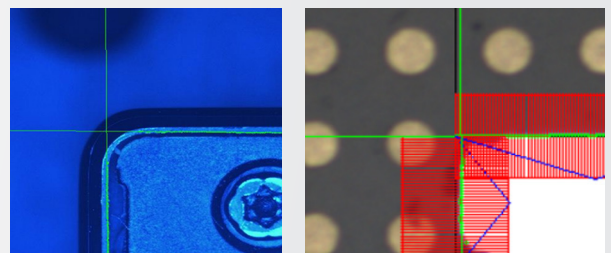


## HIGH QUALITY AND EFFICIENT DESIGN

GLE / GLLM series is a designed for reliability, quality and cost efficiency.

## SUPREME VISION ALIGNMENT TECHNOLOGY

In addition to typical corner finder or template comparison, Stream Vision is engineered with an exclusive software filters to handle difficult image processing for precise alignment.



## ADVANCED MOTION CONTROL SOFTWARE

Stream Vision V2K is the state-of-the-art advanced dispensing software with intuitive teaching to eliminate complicated programming procedures. It comprises of key features for making critical and complex dispensing application easy and efficient, including laser height detection, high speed fiducial-on-fly vision alignment, 3D profile printing, and closed loop dispensing weight auto calibration. Below are some major features :

- CAD file input and dispensing route auto editing and optimization
- Fast global alignment for panelized PCB
- Intuitive user interface for quick direct teaching
- Exclusive vision algorithms and image filters for critical vision alignment
- Synchronized dispensing and motion speed to ensure the consistent dispensing height at the start, the end and the crossing point.
- Automatic dispensing weight measurement and calibration
- Fiducial on fly
- Height detection on fly for 3D
- Remote teaching
- 5 axis motion control on Z axis
- Post dispensing AOI

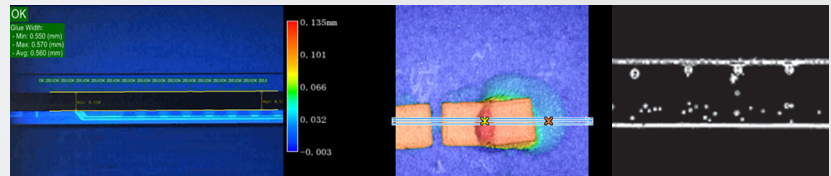
## VERSATILE DISPENSING APPLICATORS FOR ALL PRECISION APPLICATIONS

Different fluids and applications need different dispensing applicators to meet the challenge of watery, thick or streaming materials for wide range of dot sizes, line width and dispensing heights. K&S fluid dispensing technologies offer a complete suite of solutions for different application requirements.

- Piezo jet valve for high speed jetting
- Progressive Cavity Pump (PCP) for precision high viscosity contact dispensing
- Deposition pump for < 100µm dispensing
- Solder paste jetting valve
- Thin film ultrasonic spray coater
- 10:1 high precision mixing and dispensing
- High precision air spray

### USEFUL OPTIONS

- Laser height detection for high reflection glass
- Universal nozzle cleaning device
- Micro scale for dispensing weight calibration
- Low fluid level detection (option)
- 1:1~10:1 high precision mixing and dispensing systems



### GLE Robot Specifications :

- X-Y-Z Max Travel (mm): 400 x 680 x 50
- X-Y-Z Dispensing Area (mm): 360 x 550 x 50
- Dimensions (mm): 850(W) x 1660(D) x 1880(H)
- Robot Weight: 1000 kg
- XYZ Speed(mm/sec): 600, 600, 250mm/sec
- XYZ Acceleration(mm/sec<sup>2</sup>): 0.25G, 0.25G, 0.25G
- Repeatability(XYZ ±µm @3Sigma): 10, 10, 10
- Position Accuracy(XYZ ±µm @3Sigma): 20, 20, 20
- Resolution(XYZ µm): 1, 1, 1

### GLLM Robot Specifications :

- X-Y-Z Max Travel (mm): 450 x 700 x 50
- X-Y-Z Dispensing Area (mm): 360 x 550 x 50
- Dimensions (mm): 850(W) x 1600(D) x 1880(H)
- Robot Weight: 1000 kg
- XYZ Speed(mm/sec): 1000, 1000, 250mm/sec
- XYZ Acceleration(mm/sec<sup>2</sup>): 0.4G, 0.4G, 0.25G
- Repeatability(XYZ ±µm @3Sigma): 5, 5, 3
- Position Accuracy(XYZ ±µm @3Sigma): 10, 10, 6
- Resolution(XYZ µm): 0.1, 0.1, 0.1