

Model **GL** Stream Jet series

SSI GL series is a precision high speed vision dispensing robot designed for most of dispensing applications requiring precision and cost-effective consideration. GL series, using very high precision polished ball screw with robust machine design and elaborate motion control calibration, has the capabilities of repeatability accuracy of $\pm 10 \mu\text{m}$, 500mm/sec XY speed and 0.5 G acceleration. Besides the best machine hardware design, GL series is the best choice for most of customers because of its exclusive dispensing and vision software, Stream Vision, which is wholly developed by SSI in the last more than 10 years.



Stream Vision is the most advanced dispensing software ever developed for critical dispensing applications with friendly direct vision teaching method to eliminate complicated programming procedures. SSI Stream Vision has the abilities of mechanical & laser height detection, high speed high precision fiducial-on-fly vision alignment, 3D continuous route calibration, closed loop dispensing weight auto calibration and many other software features developed for special dispensing requirements. GL series has been used by many well known companies for SMT underfill, display chip and flex protection, display glass and PL sealing, solder jetting, camera lens bonding, camera module epoxy sealing, smart phone glass and metal case bonding, dam & fill and conformal coating . SSI GL series helps customers reduce rejects, increase efficiency, quick process change and meets final lowest manufacturing cost.

SSI GL series has most powerful features with reasonable prices and is considered as the best investment for precision dispensing process.

To meet in-line production requirement, GL series also provides loader and unloader system as an option for conveyor with tray, cassette, magazine, wafer cassette and FOUP.

Please Call **+886 2 27851908** at SSI for any critical dispensing application.

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Specifications:

Robot Type:		High Speed Precision Dispensing Sys.	
X/Y Acceleration :	0.5G	Weight :	~2000kg
X/Y Velocity :	500mm/sec	Power :	AC 220V, 30A
X/Y/Z Repeatability :	±10µm	Standard : <ul style="list-style-type: none"> • CCD for Stream Vision with auto-position Calibration (Random Mark, Corner) • Vision on the Fly • Jet-on Fly (JOF) function • Motion Mode • Tip Auto Calibration • Laser height sensor for 3D alignment • Clean station • Closed loop weight calibration • Multi dispensing parameter setting • Heat stage(~100C) 	
X-Y-Z Max Travel : <ul style="list-style-type: none"> • 450mm*500mm*100mm 			
Vision Software : <ul style="list-style-type: none"> • Auto-position Calibration • Motion Mode • Vision teach (include Mirror and Rotate) • multi-level multi-board alignment • Auto dispensing route optimization • 3D continuous route calibration • CAD import • Active manual alignment after auto vision alignment 			
Z-Load :	15kg		
Available Dispenser Device : <ul style="list-style-type: none"> • Jet Valve <ul style="list-style-type: none"> - 1200Hz / 50-200,000cps 99% Accuracy • Hot Melt Jet Valve <ul style="list-style-type: none"> - 500Hz / 99% Accuracy • Progressive cavity pump (Mono Pump) • < 100µm R-Jet 		Option : <ul style="list-style-type: none"> • Customized vision alignment software and algorithm • Post dispense inspection • Multitrack • Other customized function is available • Pre/Post heat stage • SSI Dispensing 4.0 • Loader/Unloader 	
Dispensing Area : <ul style="list-style-type: none"> • 340mm(X)*500mm(Y)*100mm(Z) 		Loader/Unloader : <ul style="list-style-type: none"> • tray • cassette • magazine • wafer cassette • FOUP 	
Dimensions (Without Monitor) : <ul style="list-style-type: none"> • ~1300mm(W)*1800mm(L)*1900mm(H) 			