



Accuracy  
Precision  
Control

## GlueDetection

Leary's glue detection sensors are designed to detect the smallest of shifts in glue placement at speeds up to 1,200 meters per minute. W. H. Leary has long been at the forefront of glue detection technology, developing the first production viable sensor in 1980, and more recently the high-speed iTAC sensor for overhead glue detection and the M06 microwave sensor for side seam glue wheel detection on printed packaging.

Leary's overhead glue detection solutions provide accurate inspection of all applied glue patterns, ensuring glue is positioned correctly on the product. They will also ensure no glue is present outside of the target areas, ensuring 100% fit for use products.

Leary's range of advanced detection sensors provide solutions for both cold and hot melt adhesives, monitoring glue position and volume with options for glue transfer detection and foil board applications.

Leary's patented AutoGLUE™ closed loop glue detection technology remains the only self-correcting glue detection and correction technology in the marketplace; this exclusive technology ensures glue placement is not only 'in tolerance' but is perfectly positioned every time.

Enhanced with  
**SecureSCAN™**  
Technology

  
W. H. LEARY CO., INC. SINCE 1928

Automatic glue line inspection ensures product quality on-the-run.

## Patented closed-loop glue detection and automatic correction.

Our patented AutoGLUE™ closed-loop intelligent detection and correction technology automatically keeps the glue line positioned exactly on-target at any speed up to 1,200 meters per minute.

Using high-speed glue detection sensors, glue line position is accurately monitored and the information fed back to the Array™ controller unit. The AutoGLUE software then compares the detected glue line (actual) with the programmed glue line (required), should the glue line not be millimeter perfect the system will adapt the glue valve output signal to automatically correct the position of the glue on the run.

The result? Perfect glue pattern placement 100% quality assured.

Sensor Options	HT1	M06	UV30	UV10	iTac	LV1
Technology type	Infrared	Microwave	Ultraviolet	Ultraviolet	Optical	Imaging
Typical usage	Hotmelt Glue	Wheel Applications	Wide Patterns	Foil Products	Valve Applications	Complex
Analogue output	-	●	●	●	●	-
Digital output	●	●	●	●	●	●
Volume detection	-	●	●	●	●	●
Min. spot size @ 200m/min	2mm	3mm	1mm	3mm	1mm	1mm
Auto-learning capability	●	●	●	●	●	●
Additive to adhesive required	No	No	Yes	Yes	No	No

### HT1 Infrared hot-melt glue detection

The HT1 infrared hot melt detection scanner detects absence, presence and placement of the glue (+/- 1mm) by seeing its heat signature. The controller then receives a signal noting the placement of the glue and can either pass the product or reject it. Leary Array™ controllers can be configured to activate your existing hot melt valves. This will allow all settings to be programmed through one user interface, reducing make ready times.

### M06 microwave glue detection

The M06 scanner was developed specifically for monitoring glue defects that occur when using a glue pot. Using Microwave technology the sensor will accurately detect skip glue, low and high glue volume conditions as well as dry glue. The M06 is immune to colour variation in the board and any glue can be used with this solution.

### UV30 luminescence glue detection

The UV30 scanner is our high-speed luminescence sensor. The UV30 can be used wherever UV additive is present in your adhesive. A digital reference display offers simplicity in programming and set-up. The UV30's patented technology makes it the preferred sensor for UV detection of glue, labels, varnish and much more. The UV30 is especially suited to glue detection on foil products.

### UV10 luminescence glue detection

The UV10 scanner is our wide pattern luminescence sensor. The sensor is typically used where the applied glue is up to 30mm wide, as with the UV30 a UV additive is added to your glue.

### iTac optical glue detection

The iTac™ sensor is the most advanced glue detector on the market today. It detects glue absence, presence and volume at line speeds in excess of 1,200 meters per minute. Used in conjunction with our Array™ controllers, this scanner meets and exceeds the demands of your customers. A bright light spot, small profile and remote amplifier make the iTac™ detector extremely versatile.

### LV1 Imaging glue detection

The LV1 (LearyVIEW™ 1) camera is capable of detecting complex glue patterns of any shape at high speeds. This cutting edge technology requires effective image capturing and rapid image analysis. Users simply capture an image of the applied glue in the correct position and instruct the system to detect anything that appears different. The key to this technology is efficient image inspection and a user friendly interface – both are standard with the LV1 solution.

W.H. Leary offers a wide range of gluing and quality assurance solutions.

Visit [www.whleary.co.uk](http://www.whleary.co.uk) for details.



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