Automated Optical Inspection

Tannlin

tannlin.com

The next generation of laser cut stencils

Every feature is optically inspected to ensure its location and dimensions are to specification.

Tannlin's fully automated and concurrent process compares the results of laser cutting to the CAD data.

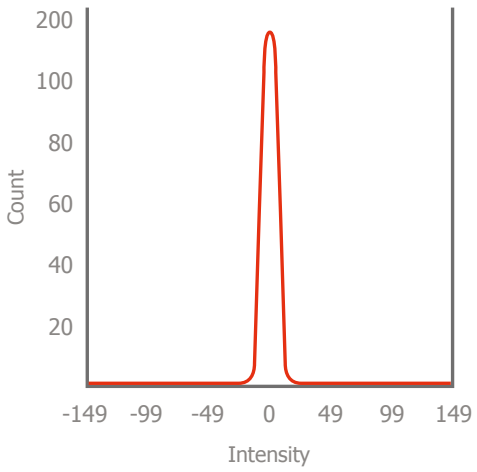
Why use Tannlin Automated Optical Inspection?

- The right volume of solder paste, in the right place, every time.
- 100% error checking and validation on every feature.
- An incorrect or defective feature can be rectified and validated while the stencil is still being laser cut.
- End to end traceability for Tannlin and all customers via Blueprint.
- A standard process unique to Tannlin and not available from any other manufacturer.

Feature Analysis

Outline	0.94154	0.94313
Centre	2.552, -3.482	213.115, 18
Bounds TL	2.402, -3.482	2.402, -363
Bounds BR	2.702, -3.332	2.702, -3.33
Bounds W	0.29970	0.29970
Bounds H	0.29970	0.29970
Measured Centre		-87.887, -1
Measured Area		0.07569
Variance		0.07

Total	1480	Minimum	1480
Checked	126	Maximum	126
Failed	0	Std Deviation	0.0002
Passed	126	Mean	126
Range	2	Mean Cluster	2



Specifications

Camera Accuracy	3.75 µm per pixel
Camera Resolution	1280 x 720
Scan Time	0% - 2% of cutting time due to concurrency
Coverage	100% of cut pattern

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