

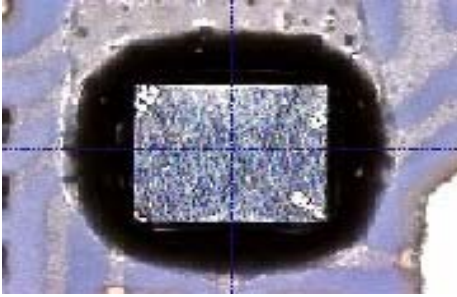
VisionGauge® Application Newsletter

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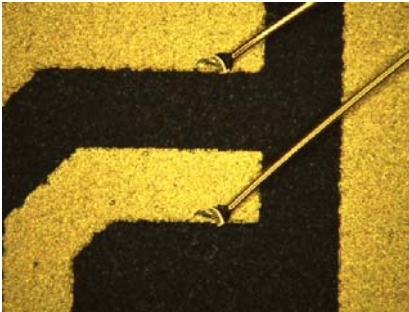
**What can VisionGauge® products do for you?
Read examples of applications that VisionGauge® products have successfully solved!**

AUTOMATIC DETECTION

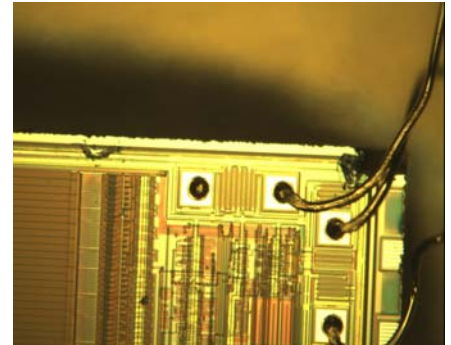


VisionGauge® OnLine is used to automatically detect the presence of epoxy under-fill between a high-density circuit and its substrate, during the assembly process. VisionGauge® OnLine also measures the under-fill's "footprint" (i.e. maximum dimensions along the X and Y axes). This is carried out in process, right after the dispensing and placement operations.

WIRE BOND INSPECTION



VisionGauge® OnLine can be used to reliably verify bond & wire presence in integrated circuit wire bonding applications



HIGH RESOLUTION, WIDE FIELD-OF-VIEW MEASUREMENT

VisionGauge® is central to our new high-resolution, wide-field-of-view measurement systems. These systems use specialized long-working-distance telecentric optics to produce very crisp & clear imagery with extremely low distortion. Different configurations are available with field-of-views as wide as 4.5" (approx. 115 mm). Furthermore, these systems include a high-resolution digital color camera and are capable of resolutions as fine as 0.001" (approx. 25 um).

These systems also include X-Y-Theta positioning mechanisms for quick & easy part alignment. These systems come with both transmitted & reflected illumination.

And these systems support all of the tools and functionality of the Standard Edition of the VisionGauge® software package.

These high-accuracy systems are ideal for low volume inspection, measurement and documentation of parts measuring a few inches.



*To find out how
we can solve
your specific
application
needs, please
contact us.*



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