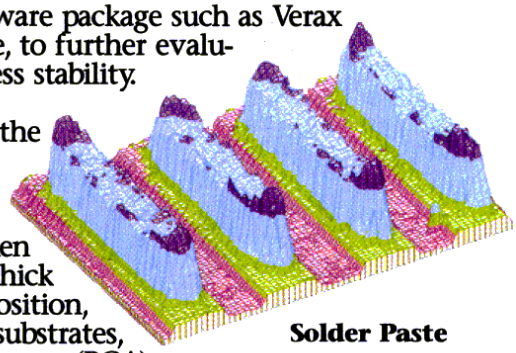
Precision Laser Measurement

LaserVision Technologies is your source for laser-based measurement services. Providing high resolution, non-contact measurement services across a wide range of industries including the Electronics, Industrial/Mechanical, and Medical industries, ***LVT*** gives you the results you need without the excessive overhead involved with purchasing additional equipment.

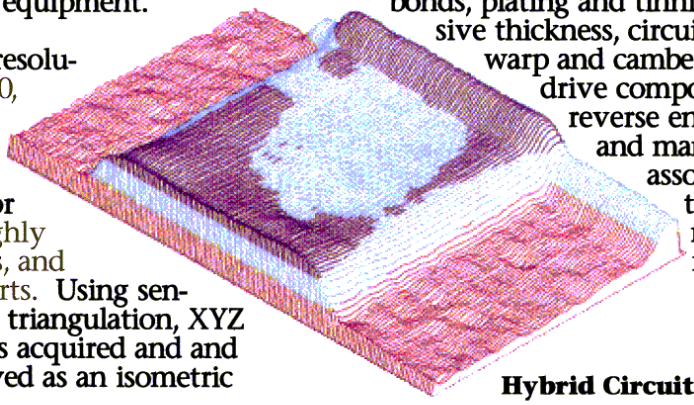
With sub-micron resolutions as fine as 0.30, laser-based measurement is ideal for measuring soft, wet, pliable, or fragile objects, highly contoured surfaces, and micro-precision parts. Using sensors based on laser triangulation, XYZ dimensional data is acquired and and graphically displayed as an isometric diagram.

This non-destructive testing is precise and repeatable with all of the data archived in an ASCII format. Resulting data can also be imported through an SPC software package such as Verax SPC Suite, to further evaluate process stability.



Solder Paste

Some of the proven applications undertaken include thick film deposition, ceramic substrates, ball grid array (BGA) components and pads, IC device leads, pin connectors, flat panel displays, TAB bonds, plating and tinning, adhesive thickness, circuit board warp and camber, disk drive components, reverse engineering, and many other assorted thickess measurements.



Hybrid Circuitry

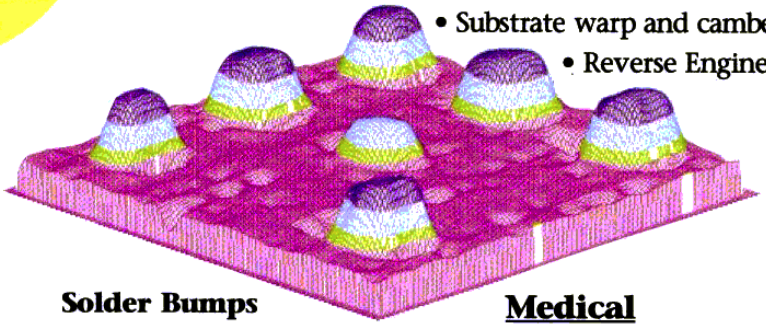
LaserVision Technologies

Contract Inspection Services

LVT offers non-contact laser inspection services for the Electronics, Industrial/Mechanical, and Medical Industries. Non-contact laser scanning is ideal for inspecting contoured, fragile, wet, or pliable objects and micro-precision parts. A listing of prospective applications include:

Industrial/Mechanical

- Screw threads
- Rubber gaskets
- Contour molded parts
- Embossed paper, plastic, and metal
- Stamped metal parts
- Turbine blade contours
- Adhesive or film thickness
- Substrate warp and camber
- Reverse Engineering



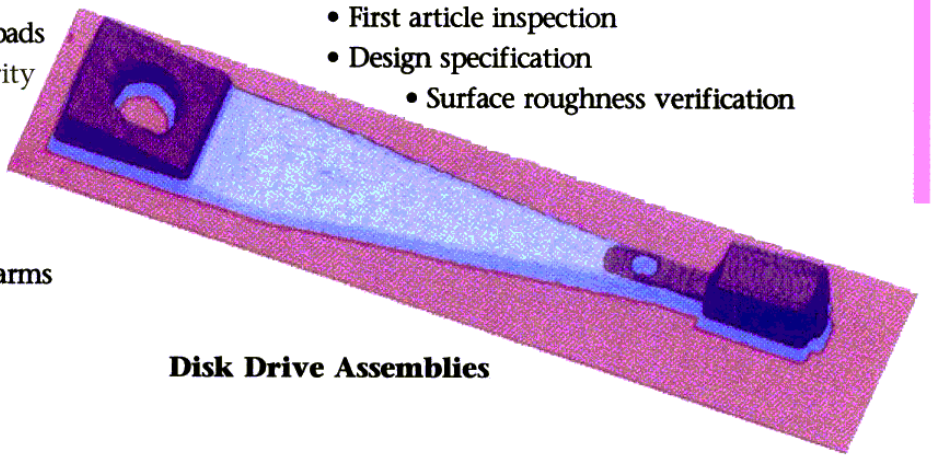
Solder Bumps

Electronics

- Wet solder paste
- Thick film inks
- Ceramic substrates
- BGA components and pads
- IC device lead coplanarity
- Flat panel displays
- TAB bonds
- Flip-chip bumps
- Plating and tinning
- Disk drive suspension arms

Medical

- Surface wear analysis
- First article inspection
- Design specification
- Surface roughness verification



Disk Drive Assemblies

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