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## Miniature LVDTs in Inspection Machines

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A prominent Japanese company has incorporated a few different units from our Series 230 3/8" AC LVDTs for in-house and OEM inspection machines. An example of these machines - used to perform final inspection of large flat-panel displays - is pictured to the right. They are mostly installed in their own production facilities, but are also sold as OEM systems to other manufacturers. The flat-panel displays eventually become PC and laptop monitors.



Specific LVDTs that are featured include the Models 0230-000 ( $\pm 0.005''$ ), 0233-0000 ( $\pm 0.050''$ ), and to a greater extent the 0234-0000 ( $\pm 0.100''$ ). The displays

are moved along on a conveyer belt where the LVDTs are used to take dimensional measurements. The LVDTs are packaged in special mounting fixtures to guide the core assembly, while ensuring minimal contact with the display surfaces.

Signal conditioning is done by a modified version of our Model 1000-0014 Oscillator/Demodulator. Per their request, the Zero and Span Pots are omitted (they do those separately) and the standard terminal strips are replaced with straight pins for easy plug-in onto a circuit board.

Business must be booming because several hundred pieces in total have been ordered over the past year.