

Ultra-Precision Machining Systems

Caltron Customer Spotlight

Integrated touch-screen monitors provide ideal operator interfaces

Location: New Hampshire, USA Customer: An Ultra-Precision Machine Tool Builder

A leading high-end ultra-precision machine tool builder, located in the northeast USA, is integrating Caltron touch-screen flat panel LCD monitors into their lathes and machining systems, including high-speed computer controlled contouring machines sold to ophthalmic manufacturing companies to produce contact and intraocular lenses. Other Caltron displays are used in their machining systems that perform mission-critical grinding and turning with single-nanometer tolerances.

The worldwide company is using two different Caltron touch-screen monitors as on-screen control panels in these two different product lines and in various custom units. They chose Caltron displays because of their exceptionally clear images, quality of products, ease of packaging and integration, and good customer service, one engineer told Caltron.

"Caltron is unique in that they have a consumer-based product that adapts to commercial and industrial applications very well," he said. "Their integration of touch-screens with flat panel displays is just what we needed. We chose the resistive technology, which is perfect for our application."

In addition, Caltron products work well with the company's proprietary software. "We write our own graphical user interface (GUI)," the engineer said. "We write our own code and design our own screen graphics, which include buttons and nomenclature and the way they function. Caltron touch-screens are ideal for that."

Caltron configures the jumpers on the touch-screen controller cards and tests the units before they are shipped to the company. This was a customer service request. "We got a quick response and were very pleased," said the engineer.

The company switched from CRTs because the slimmer LCD monitors fit into their products better, provide a power saving and emit less radiation. In addition, they save work because the touch-screens come to them already mounted.

"We have not found any problems" in product quality or customer service in the nearly two years the company has been using Caltron displays, the engineer said. The company buys 10 to 15 units a month.



Product Details

Caltron FPT-1503ATEAR monitors (15" TFT LCD VGA monitors with 5-wire resistive touch-screens) were chosen for the contact lens lathe application. Caltron also supplies its FPT-1503OTEAR monitors (15" flat panel TFT LCD open frame monitors with 5-wire resistive touch-screens) for this customer's other precision machines, as part of Caltron's total solution package that meets a display and interface needs.

Let Caltron be your TFT LCD Solution Provider

Visit Caltron's web site at <http://www.norca.com.tw> for more information.
Also, please contact our sales representatives at 886-2-27114453 if you have questions.

