

CASE STUDY

Precision Control on the Production Line: IVC Displays and Gentex Corporation

Client	Gentex Corporation — automotive supplier of digital vision systems and electrochromic dimming mirrors
Industry	Automotive technology manufacturing
Partner Since	2008
Engagement	Industrial touch screen computer supplier for press control applications

BACKGROUND

Gentex Corporation designs and manufactures digital vision systems, electrochromic dimming mirrors, and related automotive technologies used by vehicle manufacturers around the world. Producing these components relies on precision press equipment on Gentex's manufacturing floor, which operators control and monitor through touch screen interfaces built into the press control systems.

IVC Displays has supplied the industrial touch screen computers used in Gentex's press control applications since 2008.

THE CHALLENGE

Press operations in automotive component manufacturing demand precise, repeatable control — a press cycle that drifts out of tolerance can produce out-of-spec parts, and a press that goes down unexpectedly stops production on the line behind it. Gentex needed a touch screen computing platform for its press controls that could hold up to continuous industrial use while giving operators accurate, dependable control over each press cycle.

General-purpose, commercial-grade computing hardware is not built for this kind of sustained, precision-critical duty on a manufacturing floor, where heat, vibration, and long duty cycles are the norm rather than the exception.

THE SOLUTION

Since 2008, IVC Displays has supplied Gentex with industrial-grade touch screen computers integrated into the company's press control systems, giving operators a reliable interface for setting up, monitoring, and running press cycles with the accuracy automotive component production requires.

As with IVC's other long-term manufacturing relationships, this has continued as an ongoing technical partnership rather than a single hardware purchase — IVC has stayed engaged with Gentex's press control applications over the years, supplying the industrial touch screen computing hardware that keeps those systems running dependably.

RESULTS

Through this partnership, Gentex has been able to keep its press control operations running precisely and reliably while relying on IVC Displays for the touch screen computing hardware behind them. The relationship has delivered:

Precise, repeatable press control — industrial touch screen computers built for the accuracy automotive component manufacturing requires.

Dependable, continuous operation — hardware built to withstand sustained industrial use without disrupting production.

A long-term technical partnership — hardware supply and support continuing since 2008.

LOOKING AHEAD

IVC Displays continues to serve as Gentex Corporation's touch screen computing partner for press control applications, supplying the industrial-grade hardware that keeps precision manufacturing running reliably on the production floor.