

## CASE STUDY

# Built for the Production Floor: IVC Displays and Bend-All Automotive

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| <b>Client</b>          | Bend-All Automotive — manufacturer of precision-bent tube and pipe components for the automotive industry |
| <b>Industry</b>        | Automotive component manufacturing                                                                        |
| <b>Partner Since</b>   | 2010                                                                                                      |
| <b>Engagement</b>      | Industrial touch screen computer supplier for machine operator (HMI) panels                               |
| <b>Technology Span</b> | 3 generations of touch screen hardware                                                                    |

## BACKGROUND

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Bend-All Automotive manufactures precision-bent tube and pipe components — such as fuel lines, cooling lines, and other fluid-carrying parts — supplied to automotive manufacturers. Producing these components at automotive-grade tolerances relies on CNC tube-bending machinery, which operators control and monitor through touch screen interfaces on the plant floor.

IVC Displays has supplied the industrial touch screen computers used as operator panels on Bend-All's bending machines since 2010.

## THE CHALLENGE

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Automotive component manufacturing floors are demanding environments for computing hardware: heat, dust, metal shavings, and the vibration of heavy CNC machinery all take a toll on standard, commercial-grade touch screens, which tend to degrade quickly or fail outright under those conditions.

At the same time, automotive supply chains run on tight, continuous production schedules. Unplanned downtime on a single bending machine can ripple through a plant's output and put on-time delivery to automotive customers at risk. Bend-All needed an operator touch screen platform that was rugged enough to survive the shop floor and reliable enough to keep its bending machines running without interruption.

## THE SOLUTION

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IVC Displays supplied Bend-All with industrial-grade touch screen computers purpose-built for harsh factory-floor conditions, serving as the operator interface on the company's CNC tube-bending machines. Rather than a one-time equipment purchase, the relationship has continued since 2010, with IVC refreshing the touch screen hardware as components have reached end-of-life — carrying Bend-All's machine operations forward across three generations of touch screen systems while keeping the machines running reliably on the production floor.

## RESULTS

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Through this partnership, Bend-All has been able to keep its bending machines running reliably on a demanding shop floor while relying on IVC Displays to manage the touch screen hardware behind them. The relationship has delivered:

Reliable, continuous operation — industrial touch screen computers built to withstand the heat, dust, and vibration of automotive component manufacturing.

Durability through hardware transitions — the same machine operations have continued reliably across three generations of touch screen systems.

A long-term technical partnership — more than 15 years of hardware supply since 2010, keeping Bend-All's production floor equipped with dependable operator interfaces.

## LOOKING AHEAD

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IVC Displays continues to serve as Bend-All Automotive's touch screen computing partner, supplying the industrial-grade hardware that keeps operators connected to their bending machines reliably, shift after shift, on one of manufacturing's most demanding floors.