



Automotive Supplier Reduces Costs with Barcode Inspection Printers and Automated Duplicate Serial Number Checking

Background

Automotive assembly lines require intricate delivery orchestration of the right components in the right location at the right time. As the car moves past each station for the addition of doors, interiors, and electrical systems, a missing or incorrect part could shut down the assembly line, resulting in losses of thousands of dollars a minute. Component suppliers risk fines or loss of contracts for not only failing to provide quality parts, but for not working seamlessly and efficiently with the delivery orchestration system, which includes serial number checking and recording of the components.

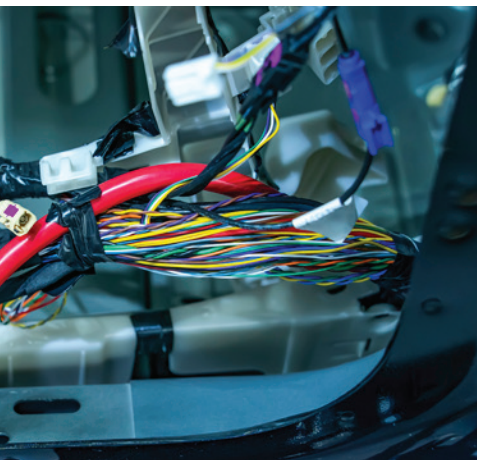
Telamon is a major supplier of wire harnesses to the automotive industry with plants on three continents. Each cable harness was hand-checked for missing or duplicate serial numbers. This was labor intensive and expensive. A better solution was desired.

Solution

Telamon has factories across three continents which means that duplicate serial number checking must happen both at a factory location, and across all factory locations in real time. Efficient Business Integrators (EBI) had recently heard TSC Printronix Auto ID's announcement of a software partner that uses the image from the ODV-2D barcode validator to provide duplicate and missing serial checking. Dave Klement from EBI approached TSC Printronix Auto ID for additional information. TSC Printronix Auto ID connected EBI with Perceptor Inspection Technologies, a UK based software partner and creator of Perceptor PTXL that leverages ODV-2D technology to provide duplicate serial number checking solution, as well as OCR and blemish detection.

"Perceptor PTXL's centralized control and was the key to global serial number checking," says Dave Klement, President of EBI. "Telamon was able to implement pilots in their far-flung global locations and be assured that serial number sequencing was correct."

After consulting with EBI and receiving a product demo, Telamon selected the Printronix Auto ID T8304 4-inch enterprise industrial printer with the ODV-2D barcode inspection system, along with Perceptor PTXL software and controller. The system was deployed in their global manufacturing sites. Automated serial number checking was a significant savings versus the hours in labor required to manually check barcodes. Accuracy went up while costs went down.



MARKET:
Major Supplier
to Automotive Industry

APPLICATION:
Automated duplicate
serial number checking,
OCR, and blemish
detection

MODEL:
T8000 ODV-2D and
Perceptor PTXL





Telamon automatically inspects every barcode on every label to ensure compliance with the auto maker's incoming label requirements as well as verifies that every serial number is unique. This is all done without additional hardware, software, or labor.

"I was so impressed with the ability to automatically grade barcodes and capture a label image that I now recommend ODV-2D as part of other automated solutions that I create," said Klement.



MODEL:
T8000 ODV-2D Printer

Benefits of the Barcode Inspection System

- 300 dpi printing with built-in, automated barcode inspection
- Barcode label grading and reporting capability for evidence against chargebacks
- Easy integration with T8000 printer emulating previous printer language
- Custom-designed solutions to overcome industry challenges
- Reduced chargebacks paid for printer investment, delivered ROI

T8000 Printer and PrintNet Enterprise Features

The T8000 ODV-2D barcode inspection printer supports efficient production of compliant labels using automated label inspection. This printer series has the capability to automatically find, grade, report, and overstrike any unreadable barcode and reprint automatically without operator intervention, saving time and money. And it can be used with our PNE software to provide reporting, remote configuration, and other features to support efficiency.

Our proprietary PrintNet Enterprise printer management software makes it easy to manage, monitor and analyze your fleet of Printronix Auto ID enterprise printers from a single dashboard. The software allows organizations to access reporting features and more to support day-to-day operations, and compile evidence to fight chargebacks or defend themselves during an audit.

About Perceptor Inspection Technologies

Established in 2004, Perceptor Inspection Technologies has subsidiaries in USA, Australia, Ireland, UK and Holland and is an experienced complex machine vision solution provider. Perceptor Inspection Technologies designs, builds, commissions, and supports high value installations worldwide. Part of its core expertise includes specification and deployment of high-speed complex 2D/3D vision systems with extensive experience of 2D Data Matrix verification and OCR/OCV in Pharma, Medical Device, Life Sciences, Defense, Automotive, F&B, CPG.

To learn more about Perceptor Inspection Technologies, visit www.perceptor-ptxl.com.



About Efficient Business Integrators

Efficient Business Integrators (EBI) is a systems integration company that provides software licensing, implementation services, and ongoing support for clients seeking to use technology to improve their operations. The team at EBI works directly with business leaders in operations and technology, advising them on the most effective and efficient methods to increase productivity and decrease costs.

To learn more about our previous projects and how we can improve your business, visit www.efficientbi.com.

About Telamon

As one of the largest private companies in Indiana, Telamon operates globally in 48 states nationwide with international locations spanning 3 continents. Telamon, which stems from the Greek word, "support", has approximately 2,000 associates. Telamon takes special interest in the local communities where its employee base is best served. The Telamon Foundation was launched in 2014, which places emphasis on non-profit organizations that specialize in arts and education. Telamon Corporation's mission is to "enable connectivity that enables life". In today's ever evolving digital world, Telamon leads the pack by designing, building, and installing telecommunication networks enabling connectivity in all forms, from traditional mobile phone usage and connectivity in stadiums, hospitals, and schools, all the way down to connected safety in our cars with the industrial manufacturing of wire harnesses for airbag and seatbelt applications.

To learn more about Telamon, visit www.telamon.com.

A photograph of a Perceptor PTXL software interface. On the left is a dark grey, boxy device with a circular lens and some internal components visible. To its right is a computer monitor displaying a software interface with various data fields and graphs. The entire setup is on a white surface against a light grey background.

Perceptor PTXL
Software