

# INNOVATIVE INSPECTION SOLUTIONS FOR BEER IN BOTTLES AND CANS

## BEER IN BOTTLES



Vision and sensor-based technologies for:

- Empty bottle inspection
- Fill level inspection
- Filler valve monitoring
- Cap & closure
- Pressure & leak detection
- Label detection & positioning
- Date code inspection
- Full Case/Cartons

## BEER IN CANS



Photon & sensor-based technologies for:

- Empty can inspection
- Fill level inspection
- Filler valve monitoring
- Can pressure inspection
- Dud and leak detection
- Date code inspection
- Full Case/Cartons

## INSPECT



Containers for defects, contaminants, & missing product

## DETECT



Leaking product, damaged containers, & equipment errors

## PROTECT



Your downstream line and customers at point-of-sale



# SUCCESS STUDY:

## City Brewery-Latrobe Reduces Waste with FILTEC Solutions



City Brewery's Latrobe plant has the ability to package over 20 million cases of beer, tea, and energy drinks. With their canning lines moving at speeds between 500-1800 cans per minute (CPM), it was important to select a solution whose accuracy standards remained high at such high speeds.

City Brewery makes flavored malt beverages that are Nitrogen-based with no CO<sub>2</sub> present in the can. They needed an inspection solution that had the capabilities to measure both product fill levels and the nitrogen levels in the can. After evaluating other solutions, Quality Control Manager Melissa Cramer led the decision to invest in FILTEC's Filler management system with [Vision Pressure inspection](#) and [FILTEC 3XR X-Ray Fill level](#) and High-Speed Analog Dud Detector.

Prior to the installation of FILTEC solutions, City Brewery was experiencing a number of wasted cans due to various incorrect nitrogen levels in cans. With the Vision Pressure solution, operators are able to pinpoint exactly which valve was overfilling on the line. This leads to not only a better-quality product for the customers, but it reduces the number of dud cans that are sent to their customers.

"As the Quality Assurance Manager, I can honestly say that the customer complaints about low fills and squishy cans have lowered by 50% since installing FILTEC equipment," Cramer explains.

One of the aspects City Brewery enjoys most about FILTEC solutions is the easy-to-use [INTELLECT inspection platform](#). Cramer stated that "INTELLECT allows operators to do everything from one screen with a clear picture and easy maintenance".

INTELLECT is a state-of-the-art configurable, flexible, and adaptive platform that synchronizes statistics from each module. Its high accuracy encoders and optical sensors examine every can in detail as it moves down the line. Statistics from the modules are analyzed and checked against threshold reject limits according to the relevant qualities entered by the operators. From that point, the cans either remain on the line or are removed if necessary. After inspection, a quality summary is accessible for each can.

Additional smart INTELLECT inspection modules can be connected at any time, ensuring the future of City Brewery's Latrobe plant remains innovative and data-driven as they continue to install more FILTEC solutions in the coming year.

Learn more about City Brewery at: <https://www.citybrewery.com>