Coca Cola Amatil: preform and closure systems equipped with quality inspection systems from Intravis

Continuous quality inspection of preforms & closures

Coca Cola Amatil (CCA) is one of the largest bottlers in the Asia-Pacific region and one of the top five Coca-Cola bottlers in the world. It has operations in Australia, New Zealand, Fiji, Indonesia, Samoa and Papua New Guinea. The company recently equipped all eight of its Husky injection moulding machines at its Eastern Creek, Australia, plant with quality inspection systems from Intravis. This contemporary approach was intended to enable CCA to become an established producer of preforms and closures within a very short time.

Sample-Prewatcher

Every ten minutes, preforms of a shot are checked and are returned to the transport bins after inspection. Intravis Sample-Prewatcher system is connected via Shotscope, Husky’s process and production monitoring software, to CCA’s central ERP (Enterprise Resource Planning) system. The continuous long-term recording of quality data makes production efficiency and quality transparent. The Sample-Prewatcher system inspects the top sealing surface (short shot, ovality, diameter, scratches), end cap (contamination, pin holes, bubbles, crystallisation, off-centre gates), preform body (coreshift, wall thickness, diameter, ovality, length, contamination) and weight. Colour deviations are checked by a highly accurate spectrometer.

Combined CapWatcher and PrintWatcher

CCA also installed three CapWatcher systems for the inspection of closures at its facility. Every closure is measured in real time through the CapWatcher. The integrated PrintWatcher inspects at the same time the print on top of the closures, automatically sorting out those with an imperfect decoration.

Due to the automated quality inspection system CCA gets the fastest possible response time in any case of a systematic error during production and therefore could reduce significantly offline measurements. The share of recyclate can also be increased while all quality parameters are checked, including the average number of contaminations per preform.

CCA now plans to equip other preform manufacturing sites with the Intravis inspection systems.

www.intravis.com