

Design and install two complete bottling lines



Client:
Coca-Cola Amatil

Locations:
**Northmead &
Smithfield, NSW ,
Australia**

The Projects

Northmead Line 3

Coca-Cola required the design, manufacture and installation of a complete, 600 bottle per minute (BPM), bottling line for their soft-drink bottling facility at Northmead in Sydney. Australis Engineering was engaged by Coke to design, supply and install the 600BPM bottling line including the use of:

- A single filer;
- Air conveyors from the Single filer to the Rinser;
- Air conveyors from the Rinser to the Filler.

Incorporated in Australis' solution, the bottle conveyor included a mass flow accumulation conveyors and single file conveyors that fed into two Krones labelers and carton conveyors from an Ocme Packer to two palletisers. The design allowed L3 to convey 375ml glass bottles and both 300ml and 600ml PET bottles.

Smithfield Line BL2

Similar to the Northmead L3 project, Coca-Cola required the design, manufacture and installation of a complete, 450 BPM bottling line for soft-drink bottling facility at Smithfield. Australis designed manufactured and installed the 450BPM bottling line for 1.25L and 2.0L PET bottles. The solution included:

- A single filer;
- Air conveyors from the Single filer to the Rinser;
- Air conveyors from the Rinser to the Filler.

Incorporated in Australis' solution, the Line BL2 bottle conveyor included a mass flow accumulation conveyor and single file conveyors that fed into two (2) Krones labelers then an Ocme Packer to two palletisers.

Air Conveyors

Single Filers

Bottle Conveyors



The Results

Australis designed and installed both systems at Coca-Cola's Northmead and Smithfield bottling plants in 1995/96 and 1997/98 respectively. Both systems operate with great efficiency and minimal downtime, allowing Coke to consistently meet or exceed its targeted production outputs.

Remarkably, the system installed at Northmead L3 was only decommissioned in November 2009 and had been in full and consistent operation for over 15 years and still maintained its original 600BPM capacity. Perhaps just as remarkable and testament to Australis' robust design and quality assured manufacturing process, following decommissioning, the L3 system was sold, second-hand. Fifteen years and still with second-hand value—an enviable cost-benefit outcome.

Just as noteworthy, Coke's Smithfield BL2 design is still operating at full 450BPM capacity, despite being in use for over 13 years - further testament to Australis' quality design and manufacturing abilities.

Innovation

A key element of the Australis solution was to design and manufacture of Air Conveyors to convey bottles around the bottling line. These air conveyors are Australis Engineering's own design and have been installed to multiple bottling lines across Australia, Fiji, Vietnam and Papua New Guinea. Australis is the only Australian manufacturer of air conveyors for this purpose.

**Design and supply
two complete
bottling lines in-
cluding air convey-
ors and single filers
to handle 600BPM
& 450BPM for glass
& PET bottles**

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