

Design and install two complete bottling lines



Client:

Coca-Cola Amatil

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

Value:
**\$800,000 and
\$550,000**

**Design, manufac-
ture & supply two
complete bottling
lines including air
conveyors & single
filers to handle
600BPM & 450BPM
for glass & PET
bottles**

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

Incorporated in Australis Engineering's solution, the bottle conveyor included a mass flow accumulation conveyors and single file conveyors that fed into two (2) Kronos labellers and carton conveyors from an Ocme Packer to two (2) palletisers.

The design allowed Line 3 to convey 375ml glass bottles and both 300ml and 600ml PET bottles.

Smithfield Line BL2

Similar to the Northmead Line 3 project, Coca-Cola required the design, manufacture and installation of a complete, 450 BPM, bottling line for their soft-drink bottling facility at Smithfield in Sydney. Australis Engineering was engaged by Coke to design, supply and install the 450BPM bottling line for 1.25L and 2.0L PET bottles. The solution included:

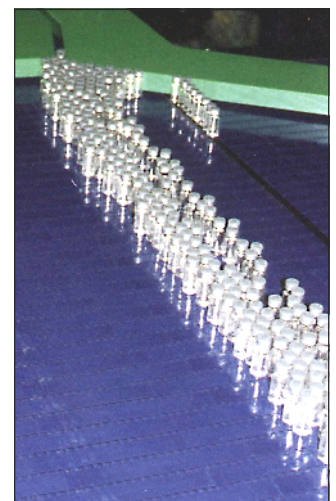
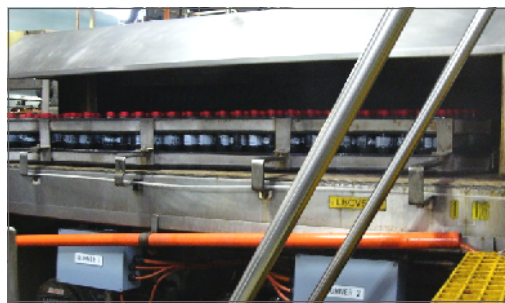
- A single filer; and
- Air conveyors from the Single filer to the Rinser; and
- Air conveyors from the Rinser to the Filler.

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

Air Conveyors

Single Filers

Bottle Conveyors



The Results

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

Remarkably, the system installed at Northmead Line 3 was only recently decommissioned (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 Engineering's robust design and quality assured manufacturing process, following decommissioning, the Line 3 system was sold, second-hand by Coke. 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.

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