

Amcor Bottle Plant Stage 1



Location	Gawler, South Australia
Client	Amcor Glass Packaging
Contract	Design and Construction
Total Cost	\$128m
Duration	November 2000 - June 2002



This glass container manufacturing plant, the first of its type in Australia, is dedicated exclusively to the production of bottles for the wine industry.

Located close to the Barossa Valley, Australia's largest wine producing region, the project was developed on a greenfield site in two stages. The first stage provided the capacity to manufacture more than 200 million wine bottles per year, or approximately 560,000 per day, while the second stage doubled this capacity to 400 million bottles per year.

The production lines are designed to produce 750 mL premium-quality glass bottles in a variety of shapes and colours. The configuration of the plant allows it to produce runs of two different shapes and one colour at any one time.

The first stage of the plant complex involved the construction of nine main buildings with a total building area in excess of 30,000 m², including:

- batch plant with 13 silos weighing up to 300 t at various levels;
- furnace building with a 450 t/d capacity melting furnace, supported 3 m above the ground floor;
- production building with two production lines, each equipped with a moulding machine capable of forming 16 bottles at a time;
- basement;

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- annealing and packaging areas;
 - warehouse;
 - offices;
 - civil works including roads and stormwater.

The plant features the world's most modern technologies for container glass and packaging, which were selected, managed and integrated into the completed facility by Leighton's engineering, procurement and construction team.

After the successful completion of the first stage, Amcor awarded Leighton Contractors a second contract to double the capacity of the plant and its warehousing facilities.