

A healthy partnersh

Jalplas: HIDRIVE produces complete IML containers, in which yog

Not all yoghurts are the same – they often contain acids, artificial sweeteners and gelatine. But not the yoghurt produced by the Australian company Jalna, who make it the traditional way without artificial additives or preservatives. This quality awareness also extends to the packaging. In order to produce the container efficiently, Jalna’s subsidiary company, Jalplas, invested in two in-mould labelling systems with hybrid HIDRIVE ALLROUNDER machines in packaging execution.

For more than 60 years Jalna has been making its popular yoghurt range using a traditional method. Today, it is still made only from pure milk and all-natural flavours such as fruit juice and probiotics. And once nestled in its pot, the yoghurt is left to mature naturally resulting in a light and creamy texture.

With consumers becoming increasingly health conscious, the demand for Jalna’s wholesome yoghurt is only set to increase. In the highly competitive market, players range from massive global businesses right

through to smaller, artisanal brands. Jalna is placed somewhere in the middle with a market share of approximately 12 percent. Since 1990, the company has been producing not only its traditional “pot set” yoghurt but also its own packaging.

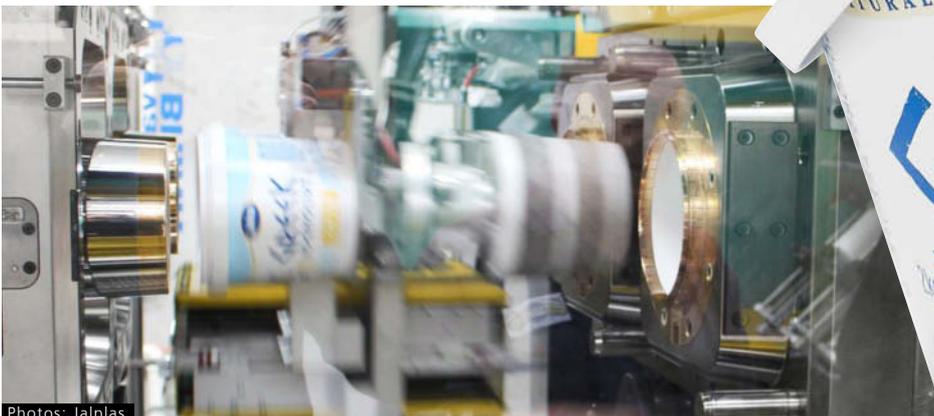
Contents and packaging from a single source

This task has been taken over by their subsidiary company Jalplas, which is managed by Howard Nurse. Founded 30 years ago and located close by, it produces both the pots and the lids solely for Jalna, using injection moulding and blow moulding technology. The machine fleet consists of ten injection-moulding machines with clamping forces rang-

ing from 1,600kN to 3,200kN, and eight multi-lane extrusion machines.

Two IML-systems for pot and lid

In July 2013, Jalplas invested in two fully automated production cells, which are able to produce the complete 2kg container and the lids using in-mould labelling technology in place of the



Photos: Jalplas

ip

hurt can mature naturally

conventional-type label application previously relied on during the filling process at Jalna.

Successful cooperation

The new production cells each comprise a hybrid injection moulding machine from the high performance HIDRIVE series with a 2-cavity mould and IML automation from Brink. System integration includes chillers, dehumidifiers and material handling systems from ARBURG's trading partner Comtec IPE.

Jalna procures its complete yoghurt packaging (centre picture) from its subsidiary company Jalplas. Two IML systems are used to decorate the pot with handle (picture left) and the lid (picture right).

Work on the production cells began in 2009: Comtec IPE worked closely with David Lucas, Plastics Production Manager at Jalplas, on the specifications to produce the 2kg container and lid with IML technology and the automated assembly of the handle.

The hybrid Allrounder 720 H in a "Packaging" version produces two containers and handles with a 2+2-cavity mould. The automation system inserts the IML labels into the mould, assembles the handle, and then stacks the parts onto an outfeed conveyor.

The matching lids are produced on a hybrid Allrounder 570 H in a "Packaging" version and a 2-cavity mould. The automation system inserts the IML labels and removes and stacks the finished lids.

25 percent less weight, 100 percent more output

For Jalplas, a complete solution was important – from the plastic pellets to the stacked parts on the conveyor.

"In injection moulding, the advantages of the high-performance HIDRIVE machines

in a 'Packaging' version, including IML features can be utilised to the full" remarks Michael Parrington, General Manager of Comtec IPE. Thanks to the high-tech components and the experience of the partners ARBURG, Comtec IPE and Brink, the weight of these sophisticated thin-wall parts was reduced by approximately 25 percent. Since Jalplas began producing the 2kg container in-house, production has approximately doubled in the six months since the machine cells were delivered, says Production Manager Jeff Bennett.



INFOBOX



Founded: Jalplas in 1990
Production area: 12,000 m²
Employees: 80
Products: yoghurt, sour cream
Certification: ISO 9000
Contact: www.jalna.com.au