

CASE STUDY

FOOD & BEVERAGE



Compair Helps Leading Food & Beverage Producer Maximize Reliability & Energy Efficiency

When one customer's ageing fleet of air compressors began showing drops in both performance and efficiency, and required increasing service and maintenance, the company turned to CompAir to provide a solution.

Application Details

With products in over 200 countries and territories around the globe, our customer, a leading food and beverage producer, relies on state-of-the-art equipment and technologies to maximize production efficiency and keep downtime to a minimum.

Compressed air plays a key role in the customer's production process. Used primarily for product packaging, the customer's fleet of air compressors allows the company to package their products for distribution to customers around the globe. Having exceeded 100,000 hours of usage, the customer's existing fleet of compressors were beginning to show increasing signs of wear.

Feeling the Impact of Ageing Equipment

Drops in performance, increased service and maintenance requirements, as well as several incidents of unplanned downtime meant an increase in both the cost of production, and disruption to the customer's strict

Overview

- ▶ **Customer**
Leading food & beverage producer
- ▶ **Location**
Queensland, Australia
- ▶ **Application**
Food & Beverage
- ▶ **Product**
CompAir L132 regulated speed oil-lubricated compressor and FHS series refrigerant dryers
- ▶ **Customer Benefit**
Not only energy savings but also a marked increase in performance on their production line

production schedule. The ageing fleet was also having an impact on energy usage at the production plant, further impacting the customers bottom-line.

In addition to the cost and issues caused by the ageing equipment, the customer was also having

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difficulty obtaining the level of service and support required in order to keep their equipment running efficiently. As a result, the customer sought to not only upgrade their existing fleet of compressors, but also select a vendor that was able to provide the level of service and support required. That is why the company turned to the experts at CompAir.

A solution built on state-of-the-art technology

After evaluating a range of compressors, the customer opted for CompAir's L-Series oil lubricated rotary screw compressors. Equipped with a premium, ultra-efficient energy saving 132kW IE4 electric motor, the L132RS (Regulated Speed) is capable of efficiently handling the varying compressed air demands at the customer's plant.

Incorporating quality components such as a high performance separator filter, a large surface aftercooler, and a thermostatically controlled motor driven fan, the L132RS provided the performance required by the customer's production process. As well as performance, CompAir's L132RS is designed to minimize downtime and streamline maintenance by providing high reliability and easy accessibility; all in a compact package.

The customer also opted to retrofit a heat exchanger unit to capture excess heat to convert to energy, as well as a smart air master controller to provide a complete, intelligent control and management system. This further maximized the unit's

energy efficiency and provided the customer with additional energy savings.

Working closely with both the customer, as well as piping and infrastructure contractors, the team at CompAir was able to safely remove the legacy equipment and install the new compressor, as well as all new mechanical pipework and fittings, with minimal disruption to our customer's production process and schedule. The team ensured that both installation





and the auxiliary parts provided adhered to the highest quality standards. The compressor was installed and commissioned in late 2019.

The End Result

The customer immediately began to experience the benefits of using the latest, state-of-the-art technology, in the form of not only energy savings but also a marked increase in performance on their production line. The customer also received the peace of mind that can only be provided by a vendor that offers world-class sales and support throughout the life of the compressor.

The customer has since ordered another two L132 units, both fixed and regulated speed, to be installed and commissioned in 2020; as well as selected CompAir to provide long term service and support for their equipment.

Premium Solutions from the Experts in Compressed Air Solutions & Services

As a leading global supplier providing world-class rotary screw, reciprocating, centrifugal and portable compressors, CompAir has the answer to meet all your compressed air needs. Our class leading compressed air solutions provide customers around the world with the quality, reliability, value, and performance needed to get the most out of their operations.

Visit our website today to learn more about how our range of solutions and service can help you!