



case study

Unwrapping Cost Savings with Leading Packaging Provider

Brammer Buck & Hickman

Powered by RUBIX



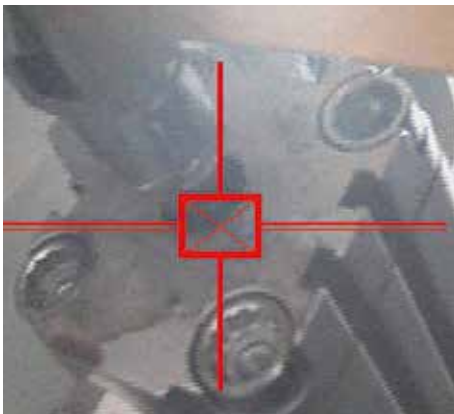
Solution found within 24 hours



Considerable Cost Savings



Air Leak Detection in Action



Using state of the art air leak detection technology, Brammer Buck & Hickman, the UK's leading distributor of industrial maintenance, repair and overhaul (MRO) products and services, is working with a leading packing provider to maintain best practice by ensuring optimum on-site productivity.

The Challenge

A team of Brammer Buck & Hickman condition monitoring specialist engineers conducted an Air Leak Survey at the UK branch of a leading packing provider based in the North West of England. The challenge: to find an air leak hidden within a piece of machinery used to slice and prepare rolls of material for packaging.

The faulty machinery was installed three months prior to the site visit and, since its £6 million installation, had not been running to optimum

performance. The customer had narrowed the problem down to a particular roller in the machine but couldn't find the primary cause.

Just one day after the Air Leak Survey had begun, Brammer Buck & Hickman's Field Service Engineer, Jason Tweedy, discovered a small to medium sized leak hidden on a small Festo actuator on a critical roller adjust. It was coming from a worn-down shaft seal and was approximately a 20db air leak. At the time of discovery, the customer had spent almost a week trying to detect this particular air leak.

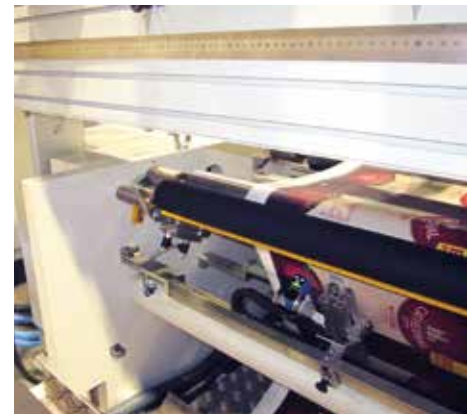
The Solution

Brammer Buck & Hickman offered to monitor the leak whilst the customer ran the machine during daily operations. The customer discovered that whilst the machine was in motion, the leak reduced and eventually disappeared. However, the air leak then reappeared later in service, which explained why the customer was not able to find the fault during primary testing. By finding the leak, the customer, in partnership with Brammer Buck & Hickman, resolved the ongoing issue.

A Brammer Buck & Hickman Air Leak Audit is performed using ultrasonic equipment. We collect the data and prepare a detailed report with a description of the leak, an estimated

monetary value per leak, photographs of the part or area which is leaking, and a remedial list of parts or actions required to fix the problem. Our audits are predominately used for pneumatic applications such as pneumatic actuating of valves and cylinders and for pneumatic motors. This audit saves the customer money by identifying ways to improve the efficiency of their compressed air system.

The Outcome



After completion of the Air Leak Survey, detection of the issue and rapid resolution, the faulty machine was fitted with a new cylinder as recommended by us. We then went on to organise an emergency Festo Cylinder to be fitted in case the original equipment manufacturer (OEM) was not able to assist at such short notice.

The fast service provided by the Brammer Buck & Hickman team led



case study

Unwrapping Cost Savings with Leading Packaging Provider

Brammer
Buck &
Hickman

Powered by
RUBIX

to a quick resolution of the issue, reducing downtime and potential further repair costs.

From the success of this project, the customer is now looking to implement Brammer Buck & Hickman's condition monitoring services across further UK locations.

Jason Tweedy, Field Service Engineer for the North East & North West commented



Working with the customer on this particular issue really gave us a chance to put our best foot forward. The customer had had an issue with this particular part of machinery for some time now, so it was really rewarding when we had detected the leak not even 24 hours after the beginning of the survey. This detection, application and resolution really is a testimony to not just our high-quality engineers at Brammer Buck & Hickman but our services too. As a partnership, we're really excited to see where this goes.



Contact us to find out more:

T: 0870 240 2100

E: marketing.uk@bbh-rubix.com

uk.rubix.com