



Summary

Industry:	Construction
Application:	Energy Savings on Extruder / Calibration Table Vacuum Pump Applications
Actual Saving:	£93,000.00
Payback Period:	Less than a year



Modern Liquid Ring Vacuum Pumps Save Energy

Dramatic energy cost savings through efficient and modern pump

ISSUE

A leading double glazing profile manufacturer currently operate 4 liquid ring vacuum pumps on extruder and calibration table duties. These pumps are of an old design, belt driven and require 7.5kw motors to achieve the duty required of them. Each year the maintenance spend on these pumps increase, as do failures which are causing unacceptable down time to production.

SOLUTION

ERIKS Pump Technology reviewed the process and application and quickly identified a more modern and efficient liquid ring vacuum pump. The pump offered is of a close coupled design, doing away with the need for the existing belt and pulley arrangement. It is also significantly more efficient. Not only does the pump only require one 4kw motor, but following on site trials ERIKS proved that where it normally took three 7.5kw pumps, it now only needs one 4kw pump.

This significant reduction in energy consumption reduces the clients energy bill dramatically.

Currently it is estimated energy savings can be achieved of £93k per year

OTHER BENEFITS

- Due to superior energy efficiency, significant savings are made
- Improved internal design results in reduced number of bearings and seals, reducing long term maintenance costs

FURTHER COMMENTS...

This application is an excellent example of how ERIKS Pump Technology look at systems and are able to identify energy saving products which have very clear benefits in real time costs savings to the client.

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MORE INFORMATION

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