Customer : **Kinetron**
Product group : **O-rings**
Market : **Machinery and equipment construction**
Application : **O-rings**

ERIKS PREVENTS OUTAGE WITH O-RING CRITICAL PARTING LINE FINISH

0% outage at Kinetron thanks to the EPDM quality O-ring with KTW approval

KINETRON

CUSTOMER PROFILE

Kinetron is an innovative high-tech company that specialises in research, development, manufacture and assembly of micro (kinetic) energy systems and is located in Tilburg, the Netherlands. Its core business is converting one type of energy to another, for example from movement (kinetic) to electricity or vice versa.

CHALLENGE

AB InBev used a Paguag hose with In a tap application for drinking water Kinetron used plastic parts, with an NBR drinking water quality O-ring from an ERIKS competitor being used for the dynamic application. This construction, however, resulted in frequent outages. The plastic section was made in such a way that a parting line ran across the O-ring groove. This made it easy to produce, but did not take into account the O-ring's critical construction during use.

The problem with this seal was that the parting line had a too high burr, which meant that the O-ring could not seal correctly. The dynamic application combined with the fact that the O-ring cross section was not well constructed resulted in leakage. Kinetron asked ERIKS to offer a solution.

SOLUTION

ERIKS analysed the application and produced calculations for the dynamic application. This resulted in an EPDM quality O-ring of 1.78 mm in diameter with KTW approval, because it concerned a drinking water application. The plastic sections were re-processed for this application on the critical parting line. This adaptation showed positive results in trials and the application was successfully taken into production.

OTHER BENEFITS

- Outage percentage reduced to 0%
- Reputational damage for the customer was reduced

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