



Tetra Pack downtime almost eliminated

Customer:

Kasih Food Production Company of Amman Jordan is one of the leading Jordanian manufacturers of canned and boxed Mediterranean food since 1926.

The Problem:

In the Tetra Pack factory scale build up in the heat exchanger meant that it needed removing and manual cleaning with chisels in order to remove the hard deposits. This meant every 500 hours packaging was stopped in order to perform this laborious task, affecting monthly output.

The Solution:

A 3/4" (19mm) Colloid-A-Tron was installed on the feed line (pictured below right), to prevent the hard scale from accumulating though its special alloy treatment.

Results:

Inspections were taken every 500 hours. The first 500 hours revealed that the heat exchanger was as clean as when it was last serviced. The second inspection after a further 500 hours showed still no hard scale. It was left to run for a further 300 hours where the net inspection showed some small sludge like deposits that could easily be removed with a toothbrush in a matter of seconds.



(above left image shows heat exchanger following 1300 hours of use).

The customers' input was that from now on they do not need to clean the heat exchanger every 500 hours but can extend the time between cleans. The spot shown in the photo is not scale but dirt collected at the surface as this chilled water is suffering from rust and dust carried within the water. The improvement in performance of the heat exchanger, combined with the fact that the cleaning frequency has been reduced (extending the life of the heat exchanger) has made Colloid-A-Tron an excellent investment.