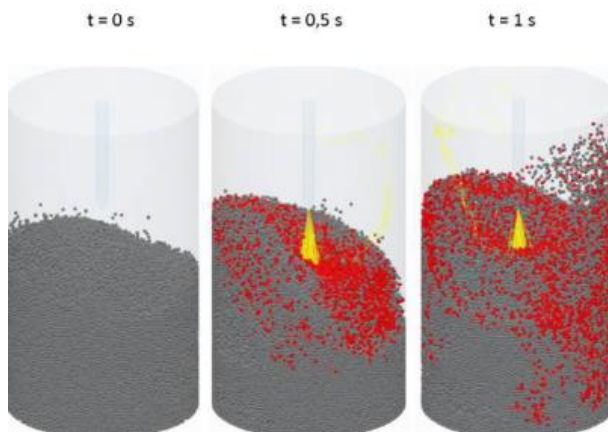


Diploma work at Tetra Pak Processing Solutions



Tank mixing of products with particles 2+1 student

Tetra Pak develops, manufactures and delivers food processing lines for a wide array of food products like: Milk, juice, Ketchup, Mayonnaise. In all these lines there are a couple of tanks with agitators. We see now that more and more of our customers want to run products with particles. It can be a juice with aloe vera or coconut particles or a yoghurt with grain or fruit. To guarantee that it is the same amount of particles in each package we need to have a perfect control of the mixing of particles in the tanks.

For this task we are looking for three students. Two students will work experimentally and run mixing experiments with different types of particles and liquids. One student will perform CFD simulations using the DEM functionality in Star CCM+

For the experimental work the students must have a basic understanding of fluid dynamics and process engineering. You must be interested in experimental work and be able to work independently with pilot scale equipment.

For the CFD work the student must have a good knowledge of fluid dynamics and some experience of modern CFD software, preferable Star CCM+

Contact person: Fredrik Innings
Email: fredrik.innings@tetrapak.com
Telephone: 0733-362014
Time needed: 20 weeks
Starting date: January 2020
Location: Tetra Pak in Lund

Formaterat: Engelska (USA)