

Circumferential Piston Pump Liquid Egg Case Study

Liquid handled: Liquid egg, sweetened liquid egg, salted liquid egg

Type of industry: Food

Customer's Problems

- Tends to be frothy.
- Becomes sticky.
- Because of varying container volumes that need to be filled, it makes it a hassle to adjust the settings each time.
- E. coli readily develops within the process, necessitating a high degree of cleanability.
- We cannot carry out high-temperature cleaning, so we must have less liquid pooling.

Proposals

- We proposed using a filling machine with a Nakakin rotary piston pump.
- Using the Nakakin rotary piston pump allows for filling at high speed and high precision.
- The CIP system within the pump and wetted structure of the filling machine allow for a high degree of cleanability.

The Results

- No more E. coli!
- Cost reduction due to the shorter manufacturing time!

Videos

Liquid Egg Conveyance - https://www.youtube.com/watch?v=b_daaxHu-NA

