



CASE STUDY: Cleaning a Clogged Heat Exchanger with Power Ultrasound

BACKGROUND

The customer purchased a new plate and shell heat exchanger. After a few weeks of production, the equipment started to fail to function normally, which harmed the company's production process and led to chemical fouling issues.

THE PROBLEM

The plate heat exchanger completely stopped working after one year of use, due to chemical fouling. The customer tried all cleaning methods, including chemical cleaning, soda blasting, and dry ice blasting, but none of them was able to remove fouling from the heat exchanger.

THE SOLUTION

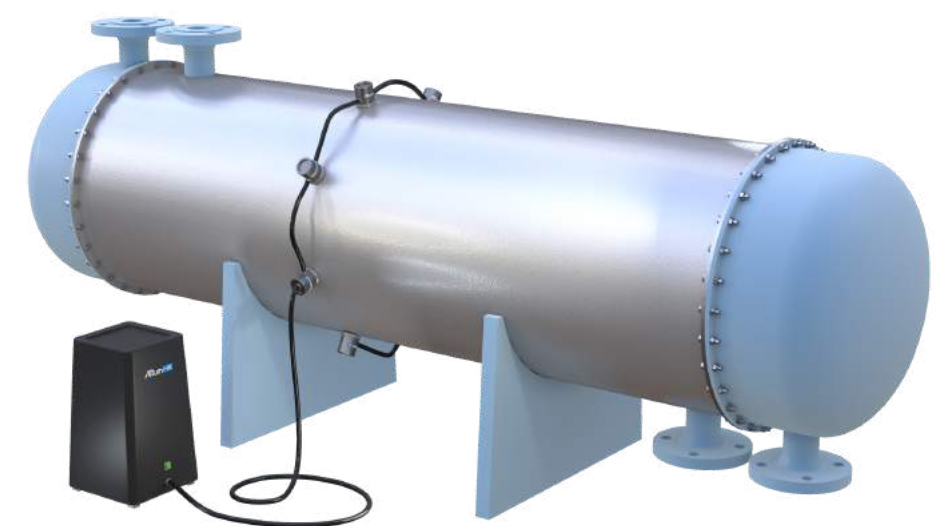
AltumHX high-power ultrasound system was used to solve the customer's fouling issue. **AltumHX system** was able to clean the equipment in two hours.

THE BENEFITS

After using **AltumHX**, the customer didn't have to:

- Purchase new heat exchangers (HXs) to replace fouled ones to keep up with production
- Experience sudden production stoppages
- Manually clean the HX
- Use chemicals to clean the HX
- Have outsourced personnel to clean the HX

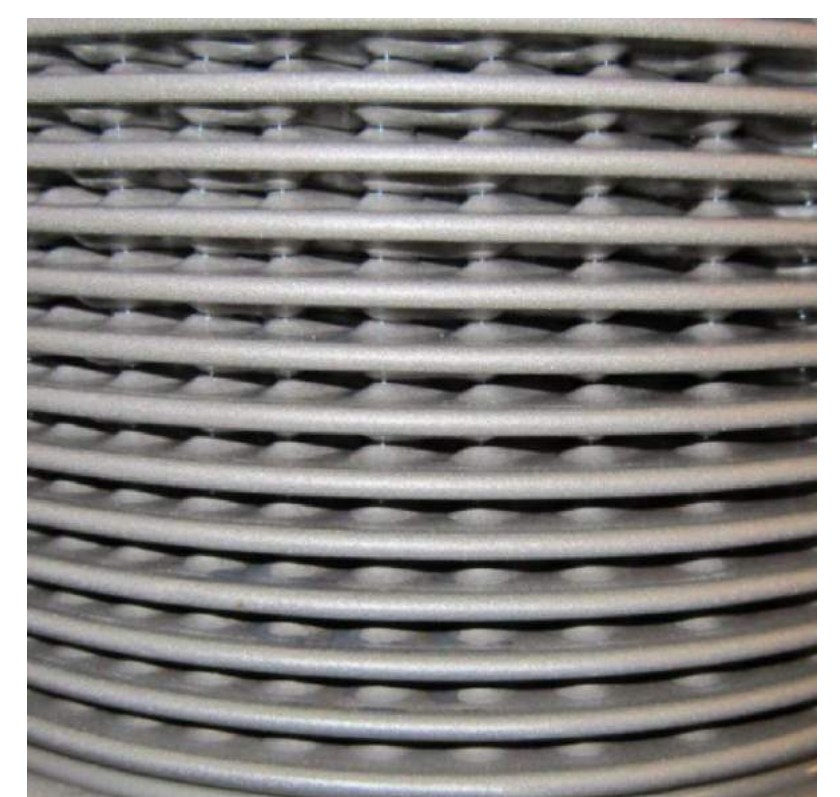
AltumHX



AltumHX for Heat Exchangers



Before using AltumHX



After using AltumHX