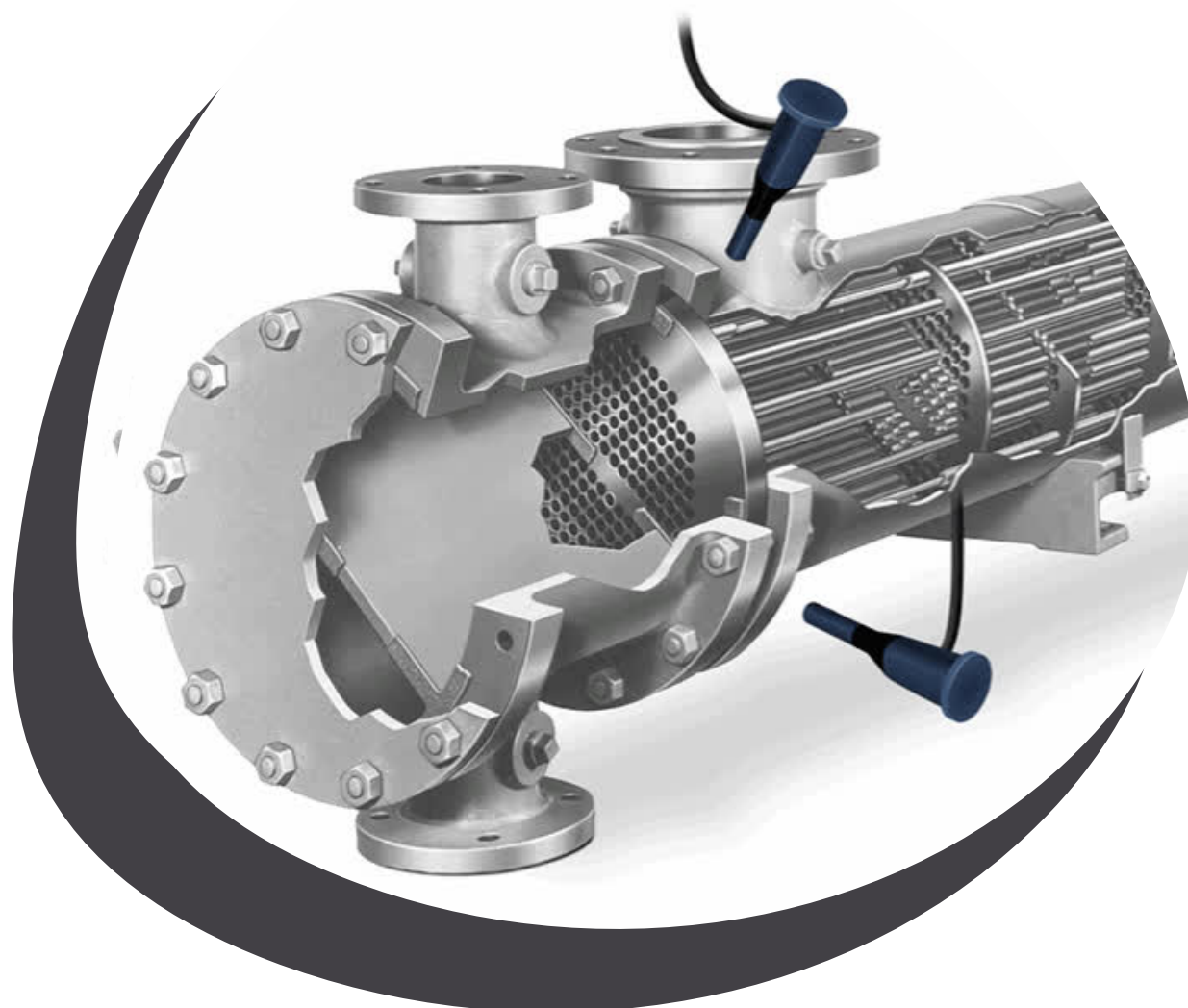


# RUSONICS DESCALER

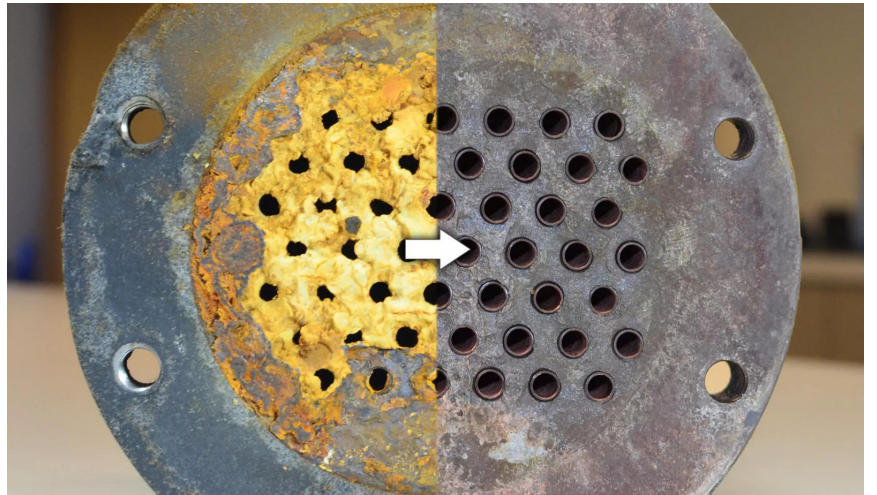
**RESONANCE ENERGY DESCALING  
ON HEATED SURFACES**



## RUSONICS-Descale

Scale formation and Fouling of heat Exchangers, Process tubes, Evaporators

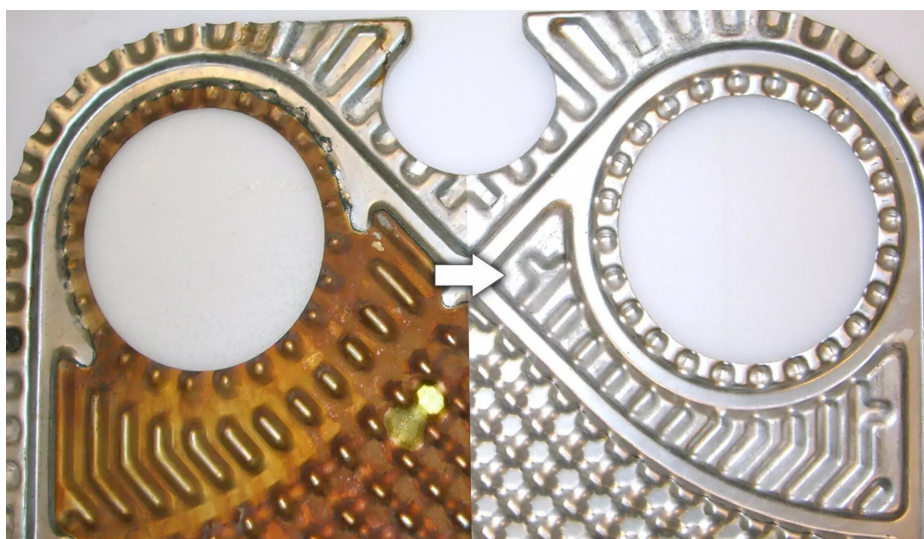
The chemical-free cleaning process for cleaning and avoiding scale formation. Scaling in process equipment is a huge menace. Resulting in a loss in production and energy due to lower efficiency, loss of production capacity planned or unplanned shutdowns, and high maintenance costs for cleaning these equipment.



## Process

Scale formation occurs in the process industry where liquids flow in tubes and heat is exchanged. Fouling is due mainly to unwanted substances that accumulate and collect on the inside surfaces.

Maintenance is mandatory in heat exchangers but cannot be done online and is performed using chemicals or mechanical equipment to remove the residue inside the heat exchanger. The clean heat exchangers with the highest heat transfer coefficient reportedly use less energy for operations, which decreases the emissions of CO<sub>2</sub>.



## Features and benefits

- Increase Process Run-time
- Increase Profitability
- Enhanced Energy Recovery
- Reduced Fuel Costs
- Effective Heat Transfer
- Improved Product Throughput
- Reduced Pumping costs
- Reduced maintenance costs
- Reduce Downtime
- Health, Safety, and the Environment
- Reliable
- Low CO<sub>2</sub> Emissions

## Applications

- Descaling of Heat Exchangers
  - Tube and PHE
- Avoid fouling of Evaporators
- Clean Pumps and Valves
- Tubes and Pipelines

## Industries

- Chemical
- Pharmaceutical
- Fertilisers
- Oil & Gas
- Pulp and paper (Black liquor)
- Refineries
- Food & Beverage

# Engineering Today

# Greener Tomorrow

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