

CUSTOMER CASE STUDY

Successful automation of evaporator tube bundle cleaning

OPPORTUNITY:

When over 50,000 feet of 1.5"–2" diameter evaporator tube in an ethanol production plant required polishing, industrial cleaning leader PSC came prepared with innovative tools.

- Plant imperatives included operator safety along with cleaning consistency
- Lancing by hand was highly discouraged
- Access to top of vertical bundles was limited
- Previous attempts with a semi-automated flexible lance system were unsuccessful

SOLUTION:

PSC utilized the **SABERTOOTH SRT-100** from StoneAge to clean five of the toughest tube bundles. The tubes were effectively polished with even consistency by a single operator at a remote control box.

- Optimal removal of 1/16"–1/8" thick deposits was achieved with 15k–20k psi at 30 gpm
- Unexpected plugs were quickly penetrated with auto-stroke pecking functionality
- Entire length of each tube could be hit twice with full pressure—down and back up
- System was easy to set up on catwalk

VALUE TO CUSTOMER:

- Ability to successfully bid on tube cleaning jobs that require automation for safety purposes
- Reliable delivery of consistent results
- Fewer staff requirements for tool operation



SABERTOOTH SRT-100

"There's no lance in anybody's hand and you're not wearing a poor guy out by whipping those tubes the way they do, but the reliability factor and the unplugging ability is where you're going to get your money's worth out of the Sabertooth."

*-Scott Boerem
Location Manager
PSC Industrial Outsourcing Lp.*



For more information about automated tube cleaning, contact StoneAge Solutions at 1-866-795-1586 or visit our website:
www.stoneagetools.com/sabertooth