



Spray Analysis  
and Research Services  
From *Spraying Systems Co.*

# SPRAYSIM<sup>®</sup> TC TANK CLEANING SOLUTION

A Solution to Tank Cleaning  
Operations Through Modeling  
and Optimization

OPTIMIZE, VALIDATE, CLEAN, SAVE!



## OPTIMIZING TANK CLEANING OPERATIONS TO REDUCE WASTE AND DECREASE COSTS

SpraySIM<sup>®</sup> TC, tank cleaning solution is our proprietary service that uses simulation software to optimize tank cleaning operations. Our advanced simulation software incorporates real spray performance data collected in our laboratory. The results provide an indication of the cleaning effectiveness correlated to the trajectory of the spray and coverage on the inner tank walls and parts, accounting for internal blockages. This data provides information for improved nozzle placement, directly leading to tank cleaning effectiveness.

SpraySIM TC results provide recommendations to optimize processes that are repeatable, reliable, and cost effective.

### SpraySIM TC, tank cleaning solution modeling abilities assist with:



#### EFFICIENCY

- Quicker validation of cleaning processes
- Reduced cleaning time
- Reduced downtime



#### SUSTAINABILITY

- Reduction in fluids consumption
- Less Intervention
- Optimize process virtually prior to spray trials



#### PRODUCTIVITY

- Faster design and layout of cleaning systems
- Uninterrupted production



#### RELIABILITY

- More robust design
- Early identification of critical cleaning areas

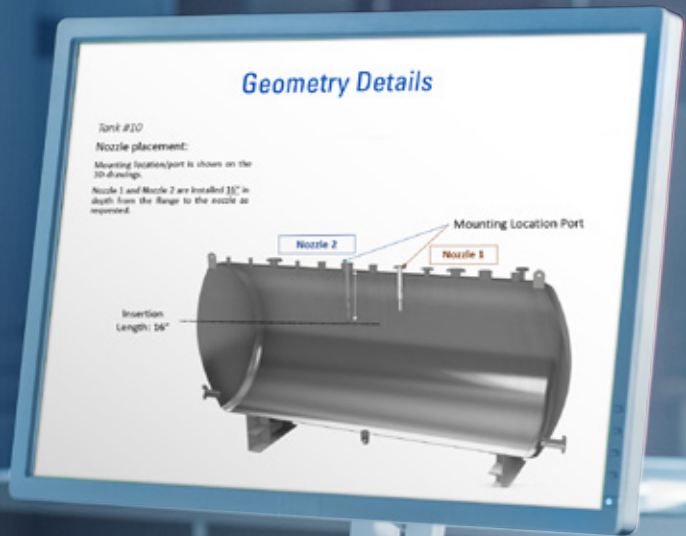


#### CONTROL

- Optimized process and project control

# SPRAYSIM<sup>TC</sup> TANK CLEANING SOLUTION

Start optimizing your cleaning process to save money and improve your operations



Submit data: Tank and nozzle information, residue being removed and current concerns.

## THE PROCESS

### SUPPLY CURRENT TANK CLEANING DETAILS:

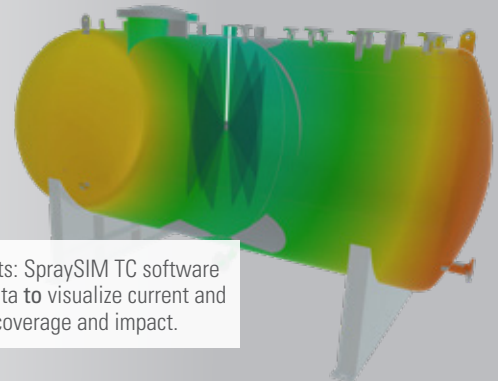
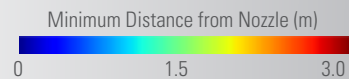
- Tank geometry (3D CAD model)
- A description of the residue being removed in the cleaning process
- Current cleaning issues you may be experiencing

### WE WILL DELIVER A TANK CLEANING REPORT WHICH WILL PROVIDE:

- Optimal nozzle position to improve cleaning effectiveness, maximize coverage and increase strength of impact
- Supply recommendations for nozzle replacement if needed for expanding critical cleaning areas
- Visualization of the spray coverage resulting from the improved tank cleaning operation
- Detailed summary results

### CALL 1.800.95.SPRAY TO LEARN ABOUT OUR SPRAYSIM TC TANK CLEANING SOLUTION

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Simulation results: SpraySIM TC software uses supplied data to visualize current and improved spray coverage and impact.



Most of the tank is covered with a proper direct rinsing, except for areas 1 & 2 which are not fully covered.

Validation Report: Provides critical information and visuals to display where coverage is low and how to optimize your cleaning performance.



**Spraying Systems Co.**  
Experts in Spray Technology

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