



REDUCE YOUR TANK CLEANING CYCLE TIME BY 75%

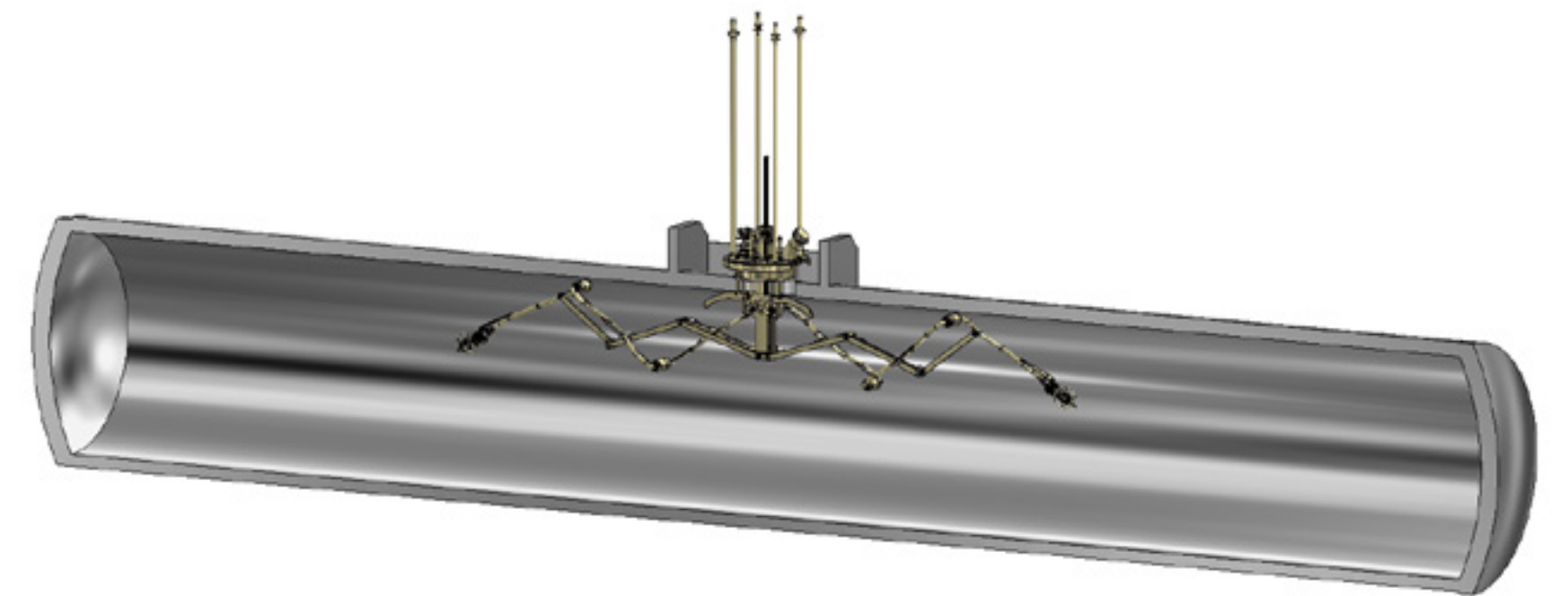
Gröninger has introduced its high pressure/low volume tank cleaning systems to The North America market. In both the USA and Canada over 90% of products in tank trailers and ISO tanks can be cleaned within 30 minutes.

Gröninger's high pressure cleaning technology has been developed in the Netherlands and is in use all over the Globe in several hundred facilities on 5 continents.

SPREADER TECHNOLOGY

Product development for the North America market was a challenge as Tank Trailers are typically supplied with only 1 manhole so the distance from that center opening to the tank heads posed a difficult hurdle to overcome. Our products team welcomed the challenge in 2018 by introducing our patent pending spreader technology that has become a game changer to the industry.

Supported from the North American headquarters in Houston a growing base of Gröninger customers are utilizing our spreader technology to reduce cleaning cycle times and truly defining the new "clean".





REDUCE CLEANING CYCLE TIMES

By automatically positioning the high-pressure spinners at the optimal position inside the tank, atomization of the high pressure spinners is avoided and the impact of the high pressure on the tank walls can be fully utilized. A 1,500-3,000 PSI high-pressure pump feeds the Spreader and assures the cleaning job is done properly and..... FAST! Evidence shows that using spreader technology improves cleaning cycle times by approximately 75% compared to the existing VAT systems.

The systems are PLC controlled allowing complete automation of the cleaning cycle which reduces the amount of manual labor dedicated to the clean but more importantly captures the tribal knowledge of what cleaning cycles work for specific products all while improving worker safety and eliminating confined entries. The tank cleaner becomes a process operator, the expertise and repeatability are built into the PLC.



ALL DATA CAN BE VISUALIZED IN THE CLOUD

In addition the variable costs of the cleaning process are reduced with at least 30% and everything can be visualized in the cloud!

CONTACT US

If cleaner tanks, operator safety and higher margins are important, please contact your local Groninger representative:

Define your cleaning needs (Volumes / Products)

- Assess site location and analyze the local municipality requirements;
- Model your current business using Groninger technology;
- Build and Analyze the business case;
- Adopt Groninger technology and disrupt your local market!

We look forward to developing a winning solution with you!

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