Tank cleaning solutions you can trust, from START TO FINISH.

It's a tank cleaning revolution.
Gamajet Mission:
Gamajet is committed to providing the world’s processing industries with tank cleaning solutions by designing, manufacturing and innovating the most effective and efficient automated tank cleaning machines and systems that meet our customers needs.
What is Cleaning

Dr. Herbert Sinner, a former chemical engineer for Henkel, first summarized the basic principles of cleaning in 1959. His summary, now referred to as the Sinner’s Circle (seen left), describes the four factors that can be manipulated in any cleaning scenario: Temperature, Chemical Reaction, Time and Mechanical Action. When the effectiveness of any factor is reduced, it must be compensated with the increase of one or multiple other factors. Washing dishes is an effective example of how the four factors interact. Hot water temperature is going to remove stuck on food better than cold. Adding soap (chemical reaction) makes the process even easier, and you can either soak a dish overnight (time) or scrub the dish clean (mechanical action). Gamajet utilizes the “mechanical action” to its maximum benefit, resulting in a drastic reduction of the three remaining factors: time, chemical and temperature.

Cleaning: (adj) to make clean: as (1): to rid of dirt, impurities, or extraneous matter.

Things to observe when selecting a tank cleaning machine:

- Level of cleanliness
- Cleaning pattern
- Operating costs
- Confined space entry
- Mechanical reliability

There are millions of tanks being used and cleaned per day, throughout every processing industry.
How do Gamajets Work?

Gamajet’s rotary impingement tank cleaning machines combine pressure and flow to create high impact cleaning jets. Cleaning occurs at the point in which the concentrated stream impacts the surface. It is this impact and the tangential force that radiates from that point which blasts contaminants from the surface, scouring the tank interior. In conjunction with this impact, the Gamajet is engineered to rotate in a precise, repeatable and reliable, 360-degree pattern (seen right). This full-coverage, indexing pattern ensures the entire tank interior is cleaned, every time. This combination of impact in a controlled indexing manner results in an economic ideal, because impact is a one time investment; chemicals, temperature and time are continual, never-ending expenditures. With a short ROI, Gamajet’s Impingement Cleaning is guaranteed to positively impact the ultimate scorecard, your bottom line.

BEFORE AFTERTANK cleaning is the number one culprit in water wastage as well as a major cause for lost production and revenue, due to tank downtime. Maximizing impingement (mechanical force), allows for the minimum amount of resources to be utilized.
Engineering, Manufacturing, and Innovating Tank Cleaning Solutions to Meet Your Needs

Designing and Developing The Solution

Our experience has shown that “off-the-shelf” solutions rarely provide a thorough or effective cleaning. At Gamajet, every cleaning application is resolved with its own unique solution. This process begins with a clear understanding of your needs, what benefits mean the most to you and your company; whether it be a guaranteed clean, the elimination of confined space entry, a reduction in time or water usage, etc. Once the needs are clearly defined and prioritized, we examine your existing process and facility, including:

- The Residue: Amount, Consistency, Properties, Disposal Regulations
- The Tank: Size, Drainage, Inlet, Material, Obstacles, Accessibility
- The Facility: Available Pressure and Flow, Standards and Requirements
- Other Factors: Preferred Wash Fluid, Filters, Available Temperature, Ability to Recirculate.

Upon completion of examination, our tank cleaning experts and engineers implement the latest state-of-the-art rotary impingement technology to design a solution, specifically tailored to meet your needs, guaranteeing the most effective clean, while minimizing resources.

NO MATTER THE TANK TYPE OR SIZE, WE HAVE A TANK CLEANING SOLUTION.

Can clean tanks up to 200ft in diameter
The Only Rotary Impingement Cleaner to meet 3-A Standard 78-01
Cleans a Tote or IBC in Under 4 Minutes
180-Degree Option for Open Top Vessels
Fits through a 2' Sanitary Inlet
Gamajet IV
Impact: Up to 80lbs at 25’ (36kg at 7.5m)
Cleaning Range: 100’ (30m)
Pressure: 20-700 psi (2-45 bar)
Flow: 30-320 gpm (115-1210 lpm)
Cycle Time: 10-25 min.
Self Cleaning and Draining
Directional Option

Gamajet VIII
Impact: Up to 160lbs at 10’ (4.9kg at 3m)
Cleaning Range: 35’ (10.5m)
Pressure: 20-1000 psi (2-70 bar)
Flow: 20-120 gpm (75-450 lpm)
Cycle Time: 3-6 min.
Self Cleaning and Draining
Unidirectional Option
The Most Versatile, Light-Weight, Ergonomic Large Tank Cleaner

Gamajet PowerFLEX
Impact: Up to 25lbs at 25’ (11.5kg at 7.5m)
Cleaning Range: 30’ (9m)
Pressure: 30-500 psi (3-35 bar)
Flow: 20-120 gpm (75-450 lpm)
Cycle Time: 8-20 min.
Self Cleaning and Draining
FDA Compliant Materials
Ultra Sanitary Design

Gamajet X
Impact: Up to 25lbs at 25’ (11.5kg at 7.5m)
Cleaning Range: 35’ (10m)
Pressure: 50-750 psi (4-50 bar)
Flow: 40-80 gpm (150-300 lpm)
Cycle Time: 8-15 min.
Fits Through a Standard UST Pipe

Gamajet NanoJET
Impact: Up to 7lbs at 5’ (3kg at 1.5m)
Cleaning Range: 7.5’ (2.5m)
Pressure: 20-200+ psi (2-14 bar)
Flow: 5-30 gpm (20-110 lpm)
Cycle Time: 4-20 min.
Fits through standard 2” ASTs

Gamajet V
Impact: Up to 7lbs at 10’ (3kg at 3m)
Cleaning Range: 7.5’ (2.5m)
Pressure: 50-1000 psi (4-70 bar)
Flow: 5-30 gpm (15-110 lpm)
Cycle Time: 4-12 min.
Self Cleaning and Draining
Ideal for Totes and IBCs

Gamajet IX
Impact: Up to 12lbs at 10’ (5.5kg at 3m)
Cleaning Range: 7.5’ (2.5m)
Pressure: 50-1000 psi (4-70 bar)
Flow: 3-30 gpm (15-110 lpm)
Cycle Time: 4-12 min.
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Cycle Time: 8-11 min.
Directional Option

Gamajet AlphaJET
Impact: Up to 7lbs at 5’ (3kg at 1.5m)
Cleaning Range: 10’ (3m)
Pressure: 50-100+ psi (4-7 bar)
Flow: 6-20 gpm (25-75 lpm)
Cycle Time: 4-20 min.
Fits through standard 2” ASTs

All Gamajets are made with 316L Stainless Steel.
Seals and bearings made from Teflon based materials.
Elastomers are offered in EPDM, Viton® and Kalrez®

Gamajet Aseptic-1
Impact: Up to 10lbs at 10’ (4.5kg at 3m)
Cleaning Range: 25’ (7.5m)
Pressure: 20-80 psi (1-5 bar)
Flow: 20-70 gpm (75-265 lpm)
Clearance: 5.75” (145mm)
Cycle Time: 3-6 min.
Self Cleaning and Draining
Meet the Requirements of 3-A 78-01

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Flow: 3-30 gpm (15-110 lpm)
Cycle Time: 8-11 min.
Directional Option
Gamajet Aseptic VI
Impact: Up to 10lbs at 5’ (4.5kg at 1.5m)
Cleaning Range: 5’ (1.5m)
Pressure: 10-700 psi (1-45 bar)
Flow: 5-40 gpm (20-150 lpm)
Clearance: 2.80” (71mm)
Cycle Time: 10-14 min.
Self Cleaning and Draining
FDA Compliant Materials
Ultra Sanitary Design

Gamajet GentleJET
Impact: Up to 1lbs at 2.5’ (.5kg at 1m)
Cleaning Range: 2.5’ (1m)
Pressure: 60 psi (4 bar)
Flow: 6 gpm (23 lpm)
Clearance: 2” (50mm)
Cycle Time: 1-2 min.
The Ultimate Barrel Cleaning Machine

Gamajet VII
Impact: Up to 5lbs at 2.5’ (2.5kg at 1m)
Cleaning Range: 2.5’ (1m)
Pressure: 50-1500 psi (4-100 bar)
Flow: 2-8 gpm (8-30 lpm)
Clearance: 2.80” (71mm)
Cycle Time: 2-6 min.
The Smallest Rotary Impingement Tank Cleaner

Gamajet Intrepid
Impact: Up to 3lbs at 2.5’ (1.5kg at 1m)
Cleaning Range: 2.5’ (1m)
Pressure: 10-80 psi (1-5 bar)
Flow: 5-25 gpm (20-95 lpm)
Clearance: 2.80” (71mm)
Cycle Time: 4-8 min.
Self Cleaning and Draining
FDA Compliant Materials
Ultra Sanitary Design

Gamajet AIO - AIO Flex - HD Barrel Blaster
Impact: Up to 5lbs at 2.5’ (2.5kg at 1m)
Cleaning Range: 2.5’ (1m)
Pressure: 50-1000 psi (4-70 bar)
Flow: 3.5-6 gpm (13-23 lpm)
Clearance: 1.75” (55mm)
Cycle Time: 2-5 min.

Let us update your process, not your plant.

Gamajet manufactures a complete line of Mobile CIP Systems for tank and vessel cleaning. These units are tailored to provide the most effective and efficient solution based on your application, beginning inside the tank with the residue.

GobyJET: Outdoor Portable Tank Cleaning System
Use a Gamajet to clean, any time and anywhere with this diesel powered, high pressure pump system.

MegaJET and AlphaJET: Fuel Storage Tank Cleaning and Polishing System
Clean any USTs and ASTs. System polishes the fuel while utilizing it to clean. (Class II fuels only)

MCIP: Mobile CIP System
Tailored designs include pumps, filters, recirculation options, control panels (manual or PLC), holding tanks and heating elements.

ToteBlast Station: Stationary Tote Cleaning System
Clean the entire tote or IBC (including the top), regardless of the residue in under 4 minutes.
Positioning Your Gamajet

Although Gamajets are dynamically balanced, meaning they will not sway when lowered into a tank on a flexible hose, access from above is not always easily accessible. Here are a few accessories that make positioning the Gamajet easy.

**Other Accessories Include:**
- Filters, Pressure Washers, Diaphragm Pumps, a deflector plate, and more.
- Tripod: Conical bottom tanks, sludge build up
- Portable Cart: Bottom manway, rolls into place
- Bipod: Wine barrels, bung down
- Manway Adaptor: Easy placement and sealing into tankers
- Gamajet 88: Positioning (2) two Gamajets to clean the hard to reach bulkheads

Choose Your Connection

Part of customizing the Gamajet includes selecting your preferred inlet connection choosing from: Tri-Clover, Female NPT, Camlock or R-Clip.

Validation

Confirm the Gamajet is properly functioning within the tank with:
- The Validator, State-of-the-art IFM Effector technology, with a ultra sanitary design, wash down safe, and easy to install.

Service you can count on, from the company you trust.

Gamajets are designed for durability, periodic maintenance keeps the world’s best cleaning machines performing at their peak. With standard preventative maintenance and proper care, your Gamajet will far outlast your tanks.

The entire Gamajet product line can be easily maintained in the field, no special tools required. Spare parts and customer support are readily available at all times, with a 24 hour turnaround on parts, repairs and new orders. You can conduct regular maintenance yourself with our detailed instructions, or have a Gamajet technician do it for you.

Our repair program includes:
- A tear down of the machine
- Ultrasonic cleaning
- Detailed inspection, quotation, and a phone call with an explanation.
- Reassembly
- Hydraulic testing at customers operating conditions

**ONE YEAR WARRANTY WITH ALL REPAIRS AND NEW MACHINES**
**Sustainability Through the Triple Bottom Line: People, Planet, Profit**

**People**
Gamajet machines allow for customers to ensure the utmost safety is taken when cleaning tanks through the elimination of confined space entry and the limiting of fall potential. Gamajet machines can be lowered into tanks with hazardous gases and environments that are potentially fatal to employees. When a Gamajet is implemented the dangers involved in such activities are nearly eliminated, allowing for safer work environments and peace of mind—priceless.

**Planet**
Gamajet machines allow for customers to obtain the sustainable goals designed to protect our world. Through tank cleaning optimization, customers experience water savings nearing 80% and energy savings averaging 85%. As a result greenhouse emissions and the overall impact on our environment is significantly reduced. Tank cleaning is typically the number one culprit in water waste. Many customers have obtained their company wide water savings goals through this simple implementation.

**Profit**
Gamajet machines allow for significant savings of expenditures such as time, chemicals and other operating costs. In addition, the significant savings in time allow for an increase in productivity and revenue resulting in an honest profit. As a result, customers can maintain the former objectives of positively impacting the community and decreasing the negative impact on the environment in perfect harmony with the final bottom line.

**WATER & CHEMICALS**

<table>
<thead>
<tr>
<th>Location</th>
<th>Tank Type</th>
<th>Tank Residue</th>
<th>Current Procedure</th>
<th>Savings in Water Per Year</th>
<th>Savings in Total Batch Time</th>
<th>Increase in Productivity</th>
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<tbody>
<tr>
<td>Columbia, MO (US)</td>
<td>4 Ribbon Blenders</td>
<td>Processed Meats</td>
<td>Tanks are filled with water and agitated, followed by manual cleaning, totaling 4 hours per tank, per day.</td>
<td>26,280,000 gallons</td>
<td>2.37 hours</td>
<td>953 batches (65%)</td>
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<tr>
<td>Sunshine, Victoria (AU)</td>
<td>Gamajet CIP system, powering 1 Gamajet VIII operating at 75 gpm. Cleaning includes a 8 minute closed loop wash per tank, averaging 200 gallons of hot water for 45 minutes, 4 times per week.</td>
<td>Variety of Chemicals</td>
<td>Tanks are cleaned daily with 3 spray balls for 1.5 hours, with a total of 4,400 gallons of hot water and caustic per day.</td>
<td>2,190,000 gallons</td>
<td>280,000 Less kwh per year</td>
<td>35%</td>
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<td>Sunshine, Victoria (AU)</td>
<td>Gamajet Aseptic VI operating at 15 gpm. Cleaning includes a 2 minute pre-rinse, 11 minute recirculated wash with caustic, 14 minute recirculated wash with caustic and a final 7 minute rinse, totaling 38 minutes per tank, per day.</td>
<td>Variety of Chemicals</td>
<td>Tanks are cleaned daily with 3 spray balls for 1.5 hours, with a total of 4,400 gallons of hot water and caustic per day.</td>
<td>1,206,400 gallons</td>
<td>65% Increased Productivity</td>
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<td>Mason, OH (US)</td>
<td>12 Process Vessels</td>
<td>Burnt on Sauces</td>
<td>4 production lines with 3 tanks each are cleaned with spray balls for 2.5 hours. 1,460 batches per year, 6 hours per batch.</td>
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Start, cleaning your entire tank, every time.

Stop wasting time and water.

Stop sending your crew into your tanks.

Go with the leader in tank cleaning technology.

What are you waiting for? Get your Gamajet today.

Servicing Every Industry with Quality Products and Unsurpassed Customer Service

Food and Beverage  Personal Care  Pharmaceutical  Cosmetic  Wine  Dairy  Bio-Pharmaceutical
Brewing  Distilling  Petroleum  Ethanol and Grain  Transportation  Portable Sanitation  Wastewater
Pulp and Paper  Chemical  Marine  Bio-Chemical  Utility/Municipal  Paint and Coatings  Biofuel

3 out of 4 of the leading processing manufacturers use and trust Gamajet as the solution to their tank cleaning applications.

Start, cleaning your entire tank, every time. Stop wasting time and water. Stop sending your crew into your tanks.

GO WITH THE LEADER IN TANK CLEANING TECHNOLOGY.