



# Industrial Tankers **CUSTOM DESIGNED SOLUTIONS**



[www.major-equipment.com](http://www.major-equipment.com)



**Designing and delivering bespoke industrial tanker solutions for over 40 years.**

## **Commitment to the environment**

We use the most modern and efficient production methods to reduce our impact on the environment. Our machines are painted using a water based product, so there are no harsh thinners and polluting waste paints. Recycled paper from our offices is used for packaging spare parts. For the latest news about our environmental policies please visit our website.

## **Why choose MAJOR**

We specialise in the design and manufacture of tankers for a wide range of agricultural and industrial applications. Our tankers are tailor-made, so you receive a bespoke product for your specific application. Our design team has over 40 years' experience in the latest technologies and tanker design solutions.

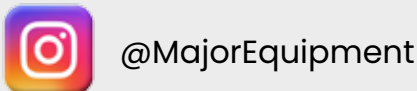
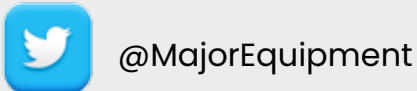
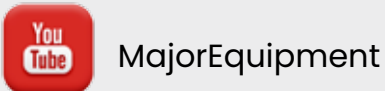
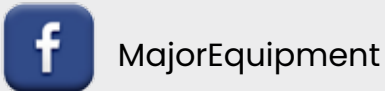


**Our agricultural roots are reflected throughout our designs with innovation, reliability and longevity at the core of every machine we produce.**

- ✓ The drawbar and chassis are independent from the tank, unlike other tankers where the tank and chassis is one unit. The MAJOR design prevents cracking and extends the life of the tank.
- ✓ The dished ends on MAJOR tankers are 6mm steel and are robotically welded to strengthen the tank.
- ✓ The 6mm tanker barrel sits on support plates to ensure that the tank does not crack.
- ✓ Commercial specification high speed axles are fitted as standard on MAJOR tanks and are certified to 100km/hr.
- ✓ We have over 40 years' experience in producing the highest quality agricultural and commercial tankers.

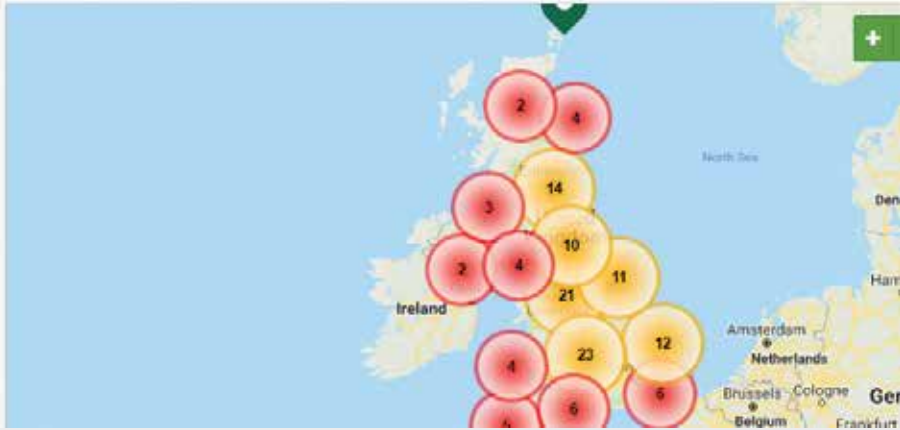
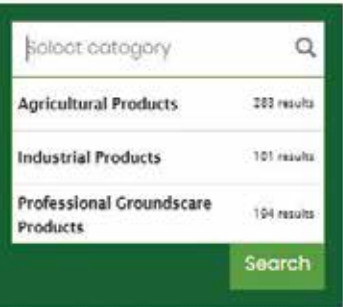
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# Our Projects

We have designed and manufactured an extensive range of tanker solutions for a wide range of applications. This catalogue contains a small selection of projects we have been involved in. If you have questions or want to speak to us about a solution for your business, please get in touch.

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Watch Video



## 2400 Gallon Dust Tanker

**Client: Quattro (UK) Ltd, London, UK**

London-based Quattro (UK) Ltd is a multi-disciplined supplier of services to the construction, utilities, building and recycling industries with a long list of satisfied clients and customers ranging from residential projects to multi-million pound corporate and municipal contracts across the UK.

Quattro (UK) Ltd have several crushing, recycling and processing sites. The handling process creates significant levels of dust, which can cause health issues for operators and neighbouring residents if not controlled properly.

Their 10,910 litre/2400 gallon dust suppression tanker ensures that they comply fully with legislation and implement best practice when it comes to environmental management.



### Design Details

- ✓ 2400 gallon internally baffled tanker with a painted finish to the clients specification.
- ✓ Hydraulically operated road blaster bar for close contact and intense cleaning. It is lifted clear for transport.
- ✓ Rain gun water cannon to access and dampen down earth storage clamps up to 70m/230ft high.
- ✓ Commercial axle rated to 100km/hr with suspension for safe road transportation
- ✓ 8000 litre Garda pump

MAJOR tankers are totally reliable. In all the years we have had them, we've had no issues. That's important, because we hire them out a lot throughout the year. They are very simple to operate so suit many of our customers.

Each tanker provides us with a multi-functional facility for lots of different jobs. Not only with the rain gun and spinner suppressor, but they also have an integral wash-down facility which we can use on site for our construction equipment. It can be used for cleaning muddy roads as well before the sweeper goes in.

Major Equipment has top class engineers and are always willing to manufacture something special, built for purpose and built to last.

**MICHAEL MCDERMOTT**  
**PLANT MANAGER, QUATTRO (UK) LTD.**



# 2200 Dust Suppression Tank

**Client: SW Machinery Hire  
Chippenham, UK.**

Simon Williams started SW Hire in 2003 with just one muck spreader. Today, the machinery hire business has an arsenal of more than 250 machines catering for agriculture, construction and industry from two locations in Wiltshire and East Sussex.

Hire contracts range from one day to one-year or more, offering a variety of options and choices for more than 600 customers across the UK.

SW Hire's specialist service sector includes a fleet of 15 Major tankers, which can be used in agricultural, construction and industrial applications. SW Hire was seeing an increase in demand for dust suppression tankers with hydraulically driven pumps. The Major 2200 gallon Dust Suppression Tank was added to the fleet.

Designed for contractor work, these tankers are extra durable due to its unique design – the barrel is supported by a separate chassis and mounted on heavy-duty commercial axles.

This means 80% of the weight runs on the axles with the remainder carried on the tractor drawbar. This improves the integrity of the entire tanker so it can bear the stress of pulling heavy loads and at longer distances. Baffle plates welded inside the tanker minimises liquid wave motions to ensure smooth and safe transport.

The tankers have been fitted with various options for loading arms, dribble bars, rain guns and splash plates.



## Design Details

- ✓ 2,200 gallon /10,228 litre MAJOR tanker on a commercial axle rated to 100 km/hr
- ✓ 560/60XR22.5 tyres
- ✓ Hydraulic and air brakes
- ✓ Integrated load-sensing control
- ✓ 8000 litre hydraulic pump
- ✓ Rain gun water cannon



We chose the Major brand because they are proven to be reliable and simple to use. The build quality of the Major Tanker is far better than anything else out there, you only have to look at the construction to see that these are very durable machines. Our experience with Major and their products means we will keep going back to them for additional machinery. The quality, reliability and cost-effectiveness of what they offer is really first-class.

**SIMON WILLIAMS, MANAGING DIRECTOR, SW HIRE**



# 2000 Gallon Dust Suppressor

## Client: Pinden Limited, Dartford, UK

Pinden Limited is a specialist waste management company processing a wide range of hazardous and non-toxic materials. The company operates an 80 acre quarry site in Dartford, Kent.

Dust suppression is just one of the issues that Terry Bishop and his team at Pinden Limited face on a daily basis.

Their existing dust suppression unit was becoming unreliable and a larger capacity unit was required to cope with an increased workload including aggregate processing and quarrying, waste management, road cleaning and dust suppression on internal roads, rock faces and earth storage areas.



## Design Details

- ✓ Water Spinner Dust Suppressor. This unit uses minimal quantities of water without compromising dust control levels. It eliminates flooding caused by traditional splash plate systems. This unit has significantly reduced Pinden's water costs.
- ✓ Rain Gun Water Cannon: Pinden Limited has four quarry sites all at various levels. The rain gun water cannon is capable of accessing and damping down earth storage clamps up to 70m/230ft high.
- ✓ Commercial axle rated to 100km/hr with suspension. This allows the tanker to access steep gradients safely even when fully loaded.
- ✓ Wash down facility. This is used for washing machinery and weigh bridges.

The commitment to provide a clean and safe working environment for our staff and local residents is paramount. The MAJOR Dust Suppression tanker has ticked all the boxes. It has proved invaluable as a weapon in our constant battle to maintain dust control. The machine was fully installed on site with operator instructions to comply with our HSE obligations. If dust is your problem, we would highly recommend a MAJOR Dust Suppression Tanker for the task.

**TERRY BISHOP,  
MANAGING DIRECTOR, PINDEN LIMITED**





## 3000 Gallon Port Dust Tanker

**Client: Port of Tyne, South Shields, UK**

The Port of Tyne is a deep river port, a distance of 4kms from the mouth of the river Tyne in Newcastle, with round-the-clock access. In addition to cargo handling services over 720,000 passengers go through the port each year.

Dave Millings, the Dock Manager contacted Major Equipment because a unit was required by the port to suppress dust on an industrial scale. The team at Major Equipment designed the 3000G Dust Tanker which sits upon a skeletal tandem axle lorry trailer.

Up to this point, all dust suppression activities in the port were sub-contracted out. Contractors could only use metered water at great expense. This unit allows the Port of Tyne operator to take water directly from the dock in place of metered water resulting in substantial savings.



After my initial enquiry to Major Equipment to build a specialist tanker, their design team visited our site and within days came back to me with detailed drawings for a 3000 gallon tanker.

The first machine we ordered has surpassed our expectations, so we placed an order for an additional unit. Both units were installed and our staff training in their safe operation. The product support is excellent. Any wear and tear parts we have needed have been received promptly from Major.

**DAVID MILLINGS,  
CARGO OPERATIONS MANAGER, PORT OF TYNE**

### Design Details

- ✓ An engine and pump are mounted on the rear of the tanker for ease of access when washing the tank
- ✓ Two outlets are positioned underneath the tanker towards the rear of the unit for dust suppression
- ✓ A vertical and horizontally controlled raingun is fitted to the top of the tanker for damping of the coal bings
- ✓ To give the operator a safer working environment and greater flexibility, all the above features are controlled remotely using a radio transmitter remote control box resulting in substantial time and cost savings.



# Self Propelled Dust Tanker

**Client: Quattro (UK) Ltd, London, UK**

Based in London, Quattro (UK) Ltd is a multi-disciplined company providing services to the building construction, utilities, demolition and recycling industries.

They are just one of a growing number of plant hire companies contracting out specialist dust suppression machinery to the construction, quarrying and demolition industries.

The team at Quattro (UK) Ltd approached other manufacturers but no other company had the expertise to design and manufacture the tanker required.



## Design Details

- ✓ A MAJOR 1600 gallon tanker incorporated into a Hydrema Dump Truck
- ✓ Driven by a hydraulically operated 8000 litre vacuum pump which is protected by a top and syphon trap
- ✓ A 2" full length sight glass and 3" glass eye mounted on the front and rear of the tanker indicates when the tanker needs to be refilled
- ✓ A 20" hinged door to the side of the tanker allows the operator safe access to the tanker when cleaning is required
- ✓ A hydraulically operated rear gate valve and a manual side valve complete with an OMAG 6" quick coupling
- ✓ Six heavy duty hose hangers to the side of the tanker keeps all the pipe work in place, particularly important when travelling between sites





# 1100 Gallon Water Bowser

**Client: Amey (formally Enterprise PLC), Oxford , UK**

Amey (formally Enterprise PLC) is a company which is responsible for the maintenance of shrubs, parade grounds and flower borders throughout all the Royal Parks in London.

Water shortages and the increasing cost of water usage is something that is a challenge for the team at Amey.

Amey placed an order for three MAJOR 1150 Gallon Water Bowsers. These customised bowser were each fitted with standard splash plates for watering larger open spaces.



The bowser were supplied with heavy duty hoses to take "grey water" from the hydrants, lakes and rain water storage areas in the parks.

This water is then reused to water the vegetation within the parks. This has resulted in a significant reduction in annual water charges.

## Design Details

- ✓ 1150 gallon water tankers
- ✓ Hose reel for watering of flowerbeds
- ✓ 9000 litre pump with overdrive
- ✓ 15 X 22.5 wheels for minimal ground compaction





# 2200 Gallon Hydroseeder

**Client: Enviro Culture Services, Albury, Australia**

In Australia, environmental legislation concerning erosion and sediment control means contractors need to monitor and manage operations in line with government policies.

Enviro Culture Services specialises in broad acre landscaping and maintenance, going from constructing landscape from bare ground to maintaining established landscape.

The company commissioned a hydroseeder tanker to be used on motorway verges and in housing estates. The 2200-gallon tanker has a Garda pump and a raingun with vertical and horizontal applications. It also features a full-length auger at the centre of the tank to agitate the hydroseeding product.



Watch Video

## Design Details

- ✓ A MAJOR 2200 industrial specification tanker
- ✓ Garda pump and a raingun with vertical and horizontal applications
- ✓ A full-length auger through the centre of the tank to agitate the hydroseeding product
- ✓ Safety cage and full length platform to safely access the man hole at the top of the tanker
- ✓ A 1.5m/5ft sliding gate for pallet access and a ladder with a spring return gate for safe access.

The design team at Major Equipment were fantastic to work with and really open to our ideas. Their professionalism really showed – they had ideas that I hadn't thought of that made me think more laterally. And they were excellent at keeping me updated throughout the whole process. I originally wanted a tanker that could spray grass three or four months of the year. Now, I have a machine that can do two or three other applications that we hadn't considered doing.

There's so many opportunities for the tanker, anywhere from mining to commercial landscaping to environmental companies. You can see it's a well-built machine so it's going to last. With unlimited uses for soil stabilisation and dust suppression, this unit is going to pay for itself.

**SHANNON EDWARDS,  
MANAGING DIRECTOR, ENVIRO CULTURE SERVICES, AUSTRALIA**



# 2200 Gallon Hydro-Seeder

**Client: Grundon Waste Management Ltd, UK**

With increased EA (Environmental Agency) monitoring, it is important for Waste Management firms to be pro-active in managing their sites. The MAJOR Hydro-Seeder and Landfill Cover Tanker has helped companies like Grundon Waste Management comply with their Environmental Policies.

It has also helped them to comply with air quality regulations, improve the working environment for staff and significantly reduce operational costs.

Some of the key applications this tanker is used for include:

- ✓ Applying daily cover
- ✓ Fire fighting capabilities
- ✓ Hydro-seeding
- ✓ Dust Suppression
- ✓ Truck and tipping bed cleaning



## Design Details

- ✓ Full length auger type paddle powered by a hydraulic motor for mixing daily cover
- ✓ Full H&S compliant galvanised access platform with safety cage fitted with 1m sliding gate for pallet access
- ✓ Water or the daily cover can be spread via a rear splash plate or a 360 rotation rain-gun jetter controlled by a wireless remote
- ✓ 76cm/30" manhole accessible from the platform for filling the tanker with the daily cover mix
- ✓ Full road LED lighting kit
- ✓ 120cm/4ft aluminium toolbox
- ✓ 5cm/2" wander hose lance complete with 6.1m/20ft of lay-flat hose.



I approached Major Equipment to design and manufacture a dust suppression unit with hydro-seeder capability. We required an internal auger to be top fed through a hatch and have a working platform mounted on top.

Within two weeks we had full drawings and four months later we took delivery of our custom built MAJOR Dust Suppression Unit 2200.

It is a multi-purpose unit with fire fighting capabilities, hydro seeding, and dust suppression from the rear sprayer or from the raingun mounted on top. We would highly recommend the team at Major Equipment to anyone needing a specially designed unit.

**STEVE JOHNSTONE,  
GRUNDON WASTE MANAGEMENT LTD**



# 3500 Tandem Axle Tanker



**Client: Barfoot Farms, West Sussex, UK.**

Farmed area: 2000ha (5000acres)

AD Plant: 1.1MW twin-tank MT Energie system fed predominately with veg. packhouse waste running 2 x 20-cylinder 1500hp engines.

Often the biggest headache for anyone running a biogas plant is in dealing with the digestate.

## Design Details

- ✓ 15,900 litre/ 3500 gallon tankers on twin axles with a steering axle
- ✓ 80cm/30" back door
- ✓ Full galvanised finish
- ✓ 15cm/6" Auto filler for quick and simple filling
- ✓ LED lights and beacon
- ✓ 13500 litre hydraulic pump
- ✓ 650/50R225N Nokian tyres

From experience with MAJOR grass mowers I know these machines are reliable and well built. With the tankers it's no different - they've clearly thought the design through.

**GRANT LUMSDEN,  
BARFOOT FARMS**



With over 50million litres of liquid to deal with each year from a 2.3MW digester, Barfoot Farms in West Sussex has a very professional system in place to handle its slurry and needed reliable tankers to back up its operations. Growing some 5000acres of vegetables, Barfoots were keen to make best use of the nutrient value of the digestate.

The work is handled by two MAJOR3500 gallon tankers with a 5.2m disc injector and a 10m Vogelsang dribble bar. The dribble bar linkage on MAJOR tankers is connected directly to the chassis, which puts less strain on the machine so it lasts longer.

The tanker has a steering rear axle. It makes the tanker much more manoeuvrable and on concrete there's no scuffing of tyres.

Filling is by a Battioni vacuum pump with a drop down fill-arm. It makes loading a clean, two to three minute job.





## 2400 Gallon Drain Beaver

**Client: Black Sluice Internal Drainage Board, Lincolnshire, UK**

The Black Sluice Internal Drainage Board is the authority set up to control water levels and reduce the risk of flooding within the Board's area. It operates 34 pumping stations and maintains 500 miles of watercourses throughout Lincolnshire.

The tanker is used for jetting out drainage culverts up to 120cm/4ft in diameter. This helps to prevent flooding thus reducing the massive costs associated with flood damage.

Before Black Sluice approached Major Equipment, all their jetting works were subcontracted to private operators. Taking this work back in-house has resulted in increased efficiency and has allowed a greater number of drain blasting operations.



### Design Details

- ✓ 10,910 litre/2400 gallon low ground pressure tanker
- ✓ Hydraulic retractable jetting reel and plough jet nozzle
- ✓ A powerful water pump that delivers 280 l/min at 205 bar pressure for exceptional culvert cleaning.





# Septic Tank/Drain Cleaning Tanker



**Client: John Coakley  
Coakley Septic Tank Cleaning  
Maynooth, Co Kildare, Ireland**

John Coakley runs a cleaning service for septic tanks in Dublin, Meath and Kildare in Ireland.

John had already purchased a 2006 Scania P310 Truck which was formally used as a milk truck. The old tanker was removed from the truck body and replaced with a custom designed MAJOR 2960 gallon tanker.

## Design Details

The new tank was divided into three individual chambers:

- (1) 11,360 litre/2500 gallons sludge
- (2) 1,800 litre/400 gallons fresh water and
- (3) 270 litre/60 gallons hydraulic oil.

The cold water behind the hydraulic oil tank would assist in keeping the oil cool. The sludge tank is filled and emptied by means of a hydraulically driven 11,000-litre vacuum pump.

The pump exhausts through a muffler box for reduced noise and odour. An uprated hydraulic pump and PTO system were fitted to the truck in order to deliver the required hydraulic power. The 1,800 litre/400 gallon freshwater tank is filled from a fire hydrant instantaneous coupling but also has a standard garden hose fitting for use in emergency. Water levels can be monitored using a full length sight tube attached. A separate Lombardini 26hp diesel power-washer is mounted at the rear



of the truck. This delivers 30 litres of water per minute at 3000psi. The water tank is not pressurised and the power-washer is gravity/suction fed. A substantial bespoke hose-reel is attached to the rear of the tanker. This hydraulically driven reel has 80M of jetting hose for drain cleaning and jetting.

To allow one-man operation there is a radio fob control system allowing the operator at the drain site to divert the water back to the tank while he returns to the truck to shut off the washer engine. 70m/230ft of 100mm/4" suction hose was supplied in lengths suitable for storage on the galvanised side trays. All fittings are Bauer. A large toolbox and tool basket were fitted. The truck chassis was repainted and the rear end was sheeted and finished to an impressive standard.

I had this idea for a while and I knew from talking to the people at MAJOR that they'd be able to make it a reality. They kept in touch with me at every stage of the design and building of the tanker. I'm delighted with the finished product and have been busy with the unit since.

**JOHN COAKLEY,  
COAKLEY SEPTIC TANK CLEANING**



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