



CROSS
AGRICULTURAL ENGINEERING

Custom Tanker Range

Waste water, Road wash, Lorry tanker etc..



Cross Agricultural Engineering – It's the Obvious Choice



Custom tanker range

Capacities from 1150 gals (5228 litres) to 6000 gals (27,276 Litres)



The Cross Tanker range is built to the highest standards by a team of dedicated engineers using quality materials and manufactured in the latest high-tech manufacturing facilities. Our slurry tankers can deliver class leading levels of performance and reliability to exceed the expectations of the most demanding users.

Tanker Build

Our quality tanker range is manufactured in capacities from 1150 gallons (5,228 litres) to 6000 gallons (17,048 litres) to cover a wide range of commercial needs. We can also build a tanker to suit your specifications, giving you the benefits of our flexible manufacturing process'.

Cross tankers are manufactured using 6mm high quality steel. All tankers are fitted with reinforcements bands rolled around the inside of the cylinder and connected to the tanker chassis. Our tankers are mounted on a strong chassis with a bolted on drawbar for extra strength. In the case of truck tankers, the Cross tanker chassis is mounted to the truck chassis by means of a certified mounting technique. As Cross Engineering are also a certified truck body building company it leaves us with the option to provide you with a truck that is fully certified for road use throughout the world.

Bunded tankers are also available to comply with Haz-Chem regulations. This system uses two 6mm skins with a reinforced area between the skins.

All tankers can be fitted with pump systems of choice. Pumps can include: Vacuum pumps, High pressure pumps, Dust suppression pumps, Diesel & AdBlue pumps. In some cases, tankers can have a dual pump system. Eg: it is common for a tanker to have a high-pressure water pump for cleaning and a vacuum pump for filling.

Another common system used by a lot of drain cleaning companies is the split tanker system. This is where the tanker barrel is split into two separate tanks internally. This is common where dirty water needs to be sucked out and then cleaned down with fresh water.

Another range of tanker built by Cross is the car pulled tanker range. This range uses a plastic bowser and can be used for power washing, road spill control etc.

Custom tankers are what we specialise at here at Cross Agricultural Engineering. A list of what we do can be seen below:

- Road Wash
- Drain Cleaning
- Dust Suppression
- Split tankers
- Water Bowser
- Diesel Bowser
- Truck Tankers
- Car pulled tankers





Road Wash

All Cross Road Wash Tankers are fitted with High-Pressure CAT pumps. These pumps are well proven in the water industry and are known for their excellent reliability. The reliability comes down to the pumps being made from stainless steel and not plastic.

All tankers are fitted with a jet nozzle on the back for washing roads and move the dirt forward with them. This is done by the angle of the bar. Each bar is hydraulically adjusted up and down for getting closer to the road for stubborn dirt. Most road wash tankers are also fitted with a hand lance system for power washing other items such as sign posts, walls, kerbs etc.



Custom Colours

All Cross Road Tankers can be painted in custom colours to suit your fleet colours or a colour that you like. Custom Stickers can also be fitted.

All paint used by Cross is 2 pack paint, therefore the corrosion resistance is second to none.



Multi-use tanker

The tanker below is an example of one tanker which can be used for a range of applications:

- | | |
|---|--|
| <ul style="list-style-type: none"> ■ Road Wash ■ Vacuum ■ Split Tanker | <ul style="list-style-type: none"> ■ Drain cleaning ■ Sludge/ slurry spreading |
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Dust Suppression

Cross Dust Suppression tankers can work a few ways. The most popular way is by spinning disk. This is where the water is dropped from the tanker onto a spinning disk. The water is then spread evenly onto the dust. Another way is by means of a rain gun which blows the water through the air over a large distance.



Split Tankers

A popular option among custom tankers is the split tanker range. This is where the tankers are split with an internal dividing wall across the diameter of the tank. This allows for two different fills on the one chassis. Where this is most suited to is drain cleaning or septic tanks. One division is for sucking out with a vacuum pump and the other division is filled with clean water for using the high pressure pump and washing or the drain cleaning nozzle for unblocking drains. On the tanker below the vacuum pump can fill both sections independently by directing the vacuum with a series of valves.



High Pressure PTO CAT pump

Hydraulic Drive Vacuum Pump

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Drain Cleaning

One feature which Cross Agricultural Engineering offer is the drain cleaning reel and nozzle. This system uses a hydraulically operated reel on the back of the tank to let out a hose into a drain. The high-pressure pump is used to supply water to the hose nozzle. This nozzle then bores a hole in the pipe blockage using the water pressure. The nozzle also has water jets facing backwards to propel itself forward through the blockage. This system is unmatched when it comes to clearing drains.

This reel is also on a hinge and has the option to work 90 degrees to the tanker.



Front Wash Bar

Some customers prefer the wash bar mounted on the front of the tractor or alternatively an extra bar on front of the tractor as well as one on the tanker. This can be done easily by plumping the tractor with pipes to the front linkage. The water passes along the tractor to the front spray bar. One option which has become more common is to get your tractor plumbed with water pipes from the front to back.



Attachments

All Cross road wash tankers can be fitted with a power washing lance and reel. This allows for washing areas where the tanker can't get to. This system has very good pressure and due to the PTO pump it will have a lot more pressure than the conventional house power washer.

All tankers from Cross can be fitted with a 2 inch wash down hose. This hose fits into the 6 inch fill point and can be used for washing down areas with relatively good pressure.

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Road Brush & Wash

Top of the range for tankers, when it comes to cleaning roads is the Road brush & Wash bar combination. A large hydraulically driven sweeper brush is used on the back of the tanker along with a wash bar also mounted on the back of the tanker. This allows for the sweeper to move the really heavy clumps of mud and the wash bar then power washes the road. Road sweeping and washing happens all in one pass.



Water Bowser

A Lot of tankers are simply for water filling and moving. Some of these examples are fitted with road tyres and just a fill and empty pump. In cases where the water has to be kept clean, then the tanker can be galvanised. This stops the metal tainting the water. One area where the tanker would have to be galvanised is the filling of crop sprayers. An area which wouldn't need this would be, road planning, filling rollers, fire control, irrigation etc.



Custom Colours

All Cross tankers can be painted in custom colours and can include custom stickers.



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Truck Tankers

As Cross Agricultural Engineering are registered truck body builders, it leaves customers with peace of mind that the quality of the truck build will be to the best possible standard. All builds are to a commercial standard and the correct mounting procedures are used on all truck chassis'. Cross take into consideration regulations and standards while adding our own extra quality on top of that. Below is an example of a truck with a wash room (for changing into wet gear). This truck has full electric remote controls so the operator can stand clear when working the machine.



Wash Rooms

Some of the truck tankers manufactured by Cross Agricultural Engineering also include a wash room/ dry area. This allows operators to clean themselves up before sitting into the cab of the truck. Most rooms are fitted with coat racks and some essential tool storage. Drivers can get out of the truck clean. Change in this room and go to work on the drains.

This room is also used as an area for secondary controls of the tanker. If the operator wants to stand in out of the rain or loses the remote. He/she can also control the tanker from the control panel inside this room

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Diesel Bowser

Cross Agricultural Engineering also manufacture a range of custom diesel bowsers. These can be manufactured in any size and with any specification. We manufacture to the highest Haz-Chem rating to the standard farm bowser. Some bowsers can also have a bunded skin. This consists of a twin skin system with supports between. This is the ultimate solution to safety and spill control.

All bowsers manufactured by Cross come with either a hydraulic or an electric diesel pump and a digital or analogue read out. This can also be combined with an auto shut off lance.

Most bowsers sold are fitted with a manual reel or a spring-loaded retractable reel but a large hydraulic reel can also be fitted to the rear of the machine.

All fuel bowsers are fitted with a dual filter system to filter the outgoing fuel before it enters the pump and leaves through the fill nozzle.



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Cross Agricultural Engineering is the result of 5 generations of metalworking skills within the Cross Family. This heritage has provided a solid foundation for manufacturing.

This literature is designed for worldwide circulation. Due to continuing policy of product improvement, we reserve the right to alter specifications and constructions without notice. As machines are exported to many different countries, general information, pictures and descriptions are provided; these should be taken as approximate and may include optional equipment that is not part of the standard specification. Please consult your local dealer/distributor for further information.



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