

POMOT CHOJNA



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Modern mobile tanks and spreaders

POMOT is one of the best-known Polish manufacturers of agricultural machines and equipment. This year, this company based in Chojna, North-Western Poland (Zachodniopomorskie voivodeship) is celebrating its sixtieth anniversary.

This renowned manufacturer is offering, among other things, a comprehensive range of slurry handling equipment, starting from modern plastic tank slurry tankers, equipped with a diversity of pumps, compressors, mixers, stirrers and slurry broadcasting and injection cultivators. POMOT machines have won several prestigious prizes during specialised exhibitions. At this year's Agrotech exhibition in Kielce, the Golden Medal was awarded to the T513 slurry tanker with hydraulic suction arm and the Fertimeter NPK2 system.

DURABLE AND FUNCTIONAL

In the group of slurry tankers, the ones with state-of-the-art technical solutions are the first ones to catch the eye. One of their key advantages is the design of the tanks, made of high-resistance Ruukki steel (Optim 500MC and 700MC steel sheeting and Optim 700MH steel profiles). Thanks to those materials, the construction is lighter in weight - the vehicle causes less pressure on the ground and, at the same time allows for a reduction in operating costs. Additionally, every tank can be equipped with anti-collapse rings and internal surge baffles, and on client request - with external reinforcements. All the slurry tankers are equipped with liquid level gauges (sight tubes), providing continuous monitoring of the liquid level during the filling and emptying of the tank. The flagship product of POMOT is

the T530 slurry tanker, of a capacity of 30,000 l, assembled on a Sidra type chassis, which is currently the largest tanker available on the Polish market.

The machines offered by POMOT are very versatile. This is the case of one of this year's market "hits" - the T513 WA, of a capacity of 13,000 l, targeting both individual farms and those farmers, who are providing services to other entities - i.e. municipal sewage companies. Thanks to the Fertimeter NPK2 system, the operator can precisely determine the dosage of slurry applied to the fertilised land, taking into account the amount of nutrients such as potassium, nitrogen, phosphorous and ammonia compounds. Another new component installed on this machine is the mobile suction arm, of the Italian Moro company, allowing 320° rotation and a vertical swing of (+/-) 27°. It is equipped with full remote-controlled hydraulic drive. This machine is also designed to allow fitting of the Bomech shallow disc injector assembly (2.5 to 6.4 m in width) dedicated, among other applications to fertilisation of pastures and meadows. The long list of auxiliary equipment allows the machine to be used in some additional activities, such as emptying of local household sewage treatment installations and cleaning of sewers - this means it can also be used by municipal sewage treatment companies.

POMOT's product portfolio also includes multi-functional tanker trucks for cleaning slurry installations and lagoons. The rear spread plate of the tanks is removable. The set also includes a suction hose, water gun and sewer nozzle. This type of tank is usually installed on a trailer chassis using mounting brackets, or directly fitted to the frame.

INTERNATIONAL PARTNERS - EUROPEAN PRODUCT

Compressors are one of the key components of a slurry tanker. They determine the filling and emptying rates. In its products, POMOT is using modern MEC-type (Battioni Pagani Pompe) and KD-type (Hertell) compressors. They allow filling of the tank in 3-6 minutes



(depending on the tank capacity). Another important design element is drawbar assembly, adjustable in height in order to fit the tanker to any type of tractor. The vehicles can also be equipped with hydraulic control of the compressor, a parking wheel or slurry injection system controlled from the driver's cabin. POMOT is manufacturing slurry injector sets of widths ranging from 1.5 to 6.5 m and also surface manure sprayers of standard working widths from 9 to 24 m. The portfolio also includes a wide range of slurry broadcasting equipment - spray guns, throwers and mobile sprinkler units. Latest developments also include the PRM 6.0T lime/sand/salt/dry powder sprayer (licensed by the Transspread company).

POMOT is offering spreaders of capacities ranging from 4 to 12.5 tons. They are equipped with a mechanical chain drive system, powered from the rolling wheel.

The three-speed gearbox allows control of the chain speed and dosage of the fertiliser. Spreading width can be adjusted with special damper plates and by controlling the disc rotation speed (done by a combination of hydraulic and mechanical valve system).

EFFICIENCY AND ECONOMY ARE THE KEY FEATURES OF POMOT MACHINES

In agriculture, versatility is the most appreciated characteristic of any machine or piece of equipment. By using one machine in several different applications the farmer can achieve significant cost savings. Specialists estimate that the chassis accounts for up to 70% of the total cost of the trailer. POMOT is offering a very interesting system of modular chassis extensions - Uniwersal. It consists of a central actuator raiser chassis, allowing lifting and replacement of the top assemblies and three directions of dump-tilting. The palette of top assemblies includes, among other things a slurry/sewage

tank of 10,000 l, a loading body with hydraulic actuators for lifting the side panel, a 17 m³ dump truck, manure spreader, lime/fertiliser/sand and salt spreader of a capacity of 12.5 tons and a hay/straw platform. The permissible speed of the trailer on public roads is 40 km/h. Compact size is also an important aspect. The chassis of the trailer is mounted on a solid steel frame. The rolling assembly is a tandem axle design with spring suspension and steering rear axle. The trailer is also

equipped with the pneumatic, dual-circuit braking system. Tyres are of radial type (500/45) mounted on 22.5 inch steel rims. The tyres' tread is of the self-cleaning GSP+ type guaranteeing good handling properties on both tarmac roads and in the field. The self-cleaning feature is important if the trailer leaves the field and needs to travel on public roads. Handling of the trailer is further improved by hydraulic control of the rear steering axle.

The central raiser actuator is an integral element of the trailer, which is also used in installation and replacement of the top assemblies. The chassis has also been equipped with a top assembly fitting system, consisting of four mounting brackets. The trailer is equipped with hydraulic drive/control connectors, allowing quick and simple connection of any top assembly installation. Control of particular components is possible remotely, from the tractor driver cabin. Each of the top-assemblies has been equipped with four

supporting legs, to facilitate installation and storage after disassembly. The installation or removal operation takes no longer than a few minutes and can be handled by one person. By buying the system with only two different top assemblies, the user will realise a saving of approximately 10% versus the price of two separate machines. With greater numbers of top assemblies, the savings are significantly higher. ■



POMOT specialises in making modern slurry tankers



POMOT's products for public utilities like dustcarts are also gaining popularity