

MFS01™ designed to clean fuel in fuel tanks.

MFS01™ is one of the most comprehensive and technological vehicle that can be used for critical fuel purifying mission, especially designed to be used for retail fuel stations.

MFS01™ provides an all-in-one capability for periodic tank service. It cleans fuel from sludge, dirt, unknown particles and water. After separation, purified fuel will be sent back to the tank and sludge/dirt stored for disposal.

Fuel purification and polishing service can be given through this all-in-one mobile system.

Main benefits of MFS01:

- Conserving environment
- Guaranteed high quality fuel
- Fast and reliable fuel cleaning
- Better wet-stock management
- Longer lifetime to both tank and dispenser



Truck - Mercedes Atego 1518

- Year: 2022
- Power: 200 hp
- Strong chassis, 20 tons haul capacity
- Fuel type: Diesel - Euro6
- Special CTM Gearbox created for; water-jet, hydraulics and vacuum pump

Interactive Remote Controls

- PLC
- Tanks
- Robots
- Remote Management Software

Options

- Robot size
- Tank capacity
- Filter numbers
- Fuel filter types
- Truck haul capacity

Cameras

- Driver camera: to control driver cabin
- Tank camera: to check tank area
- PLC camera: to over-watch PLC station

Robots

- 2 robots used for pressuring and sucking in the tank
- Can be used for gasoline and diesel

Certifications

- ISO 9001
- ATEX certified
- Health and Safety
- International Standards

Filters

- 4 Active-carbon filters
- 3 fuel filters
- 3 diesel filters
- 5 bar
- 100 lt/min
- ATEX certified

Vacuum Pump

- Used for sucking sludge and water
- 4.000 m3 / hour
- ATEX certified

Hydrolic Pump

- 200 bar
- 4.000 m3 / hour

Fuel Pump

- Pumps clean fuel back into tank
- 11 m3 / hour
- 2 fuel filters
- ATEX certified

PLC Control Panel & all extras

- ATEX certified
- All valves are PLC and remote controlled
- 24w contactors
- 3 emergency stop buttons
- 3 camera/sensor system (PLC and tank)
- DVR camera controller
- Gas detector sensors
- Internet modem
- 10" touch-screen PLC control panel
- 12" Ipad control panel
- 19" touch-screen driver control panel
- Gear-stick for robot
- Special PLC software
- Fire extinguisher
- Flow-meters
- Special reporting mechanism
- Report management
- 16m 3inch hose
- Hydrolic air cooler
- 3 of 1inch safety valve
- 3 of 3inch check valve
- 300 bar water jet
- 3 liquid level probe
- Fire extinguisher

Tanks

- | | |
|-----------------|---|
| Right Fuel Tank | <ul style="list-style-type: none"> ■ Suction tank ■ 3.000 lt capacity ■ Stainless steel ■ Gasoline or diesel |
| Left Fuel Tank | <ul style="list-style-type: none"> ■ Suction tank ■ 3.000 lt capacity ■ Stainless steel ■ Gasoline or diesel |
| Top Fuel Tank | <ul style="list-style-type: none"> ■ Clean fuel tank ■ 3.000 lt capacity ■ Stainless steel ■ Gasoline or diesel |
| Water Tank | <ul style="list-style-type: none"> ■ Used for water container ■ Uses flow-meter ■ 100 lt capacity |
| Sludge Tank | <ul style="list-style-type: none"> ■ Used for sludge container ■ Uses flow-meter ■ 100 lt capacity |
| Hydrolic Tank | <ul style="list-style-type: none"> ■ Used for air pressure ■ 100 lt capacity |

Valves

- 6 of 3inch pneumatic stainless steel valves
- 8 of 2inch pneumatic stainless steel valves
- 9 of 1inch pneumatic stainless steel valves

Air Compressor

- 100 lt/min
- 8 bar

Crane

- Used for opening centrifuges
- 500 kg haul capacity
- ISO certified

Centrifuge

- 2 big centrifuge used for fuel filtration
- Seperates fuel, water and sludge
- 2.000 lt/hr