

ML01™ designed to check quality of fuel in fuel tanks.

ML01™ is the most comprehensive and technological laboratory vehicle that can be used for critical fuel quality tests and overall fuel inspections, especially designed to be used for retail fuel stations.

ML01™ provides an all-in-one capability for periodic fuel quality service. As well as fuel quality service, it can also be used to clean fuel tank from nitrogen. It contains all necessary health and safety standards.

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 lab results
- 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 hydraulics

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

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