

MERAJ Limited

Special Application Trucks & Pumps | **Since 1976**

Company Profile

WELCOME TO THE WORLD OF
MERAJ.



ENGINEERED TO LAST.



When the call comes in, every second matters. Your crew is ready at a moment's notice to take action to protect property and save lives. You need an apparatus built ready to respond, a truck that excels at every task, engineered to meet your demands, a truck that is as ready as you are to take the call.

HISTORY.

Times change. Values endure.



MERAJ, a proud family-owned business, has always had fire apparatus at the heart of its operations. Our unwavering commitment to quality, progress through engineering, and continuous research and development has transformed us from a small establishment to a values-led, passionate organization. While our portfolio has expanded over time, fire apparatus remain our central focus. Today, our Fire Fighting & Rescue Trucks are certified to EN-1846 and compliant with NFPA 1900, and our Fire Pumps are certified to EN-1028.

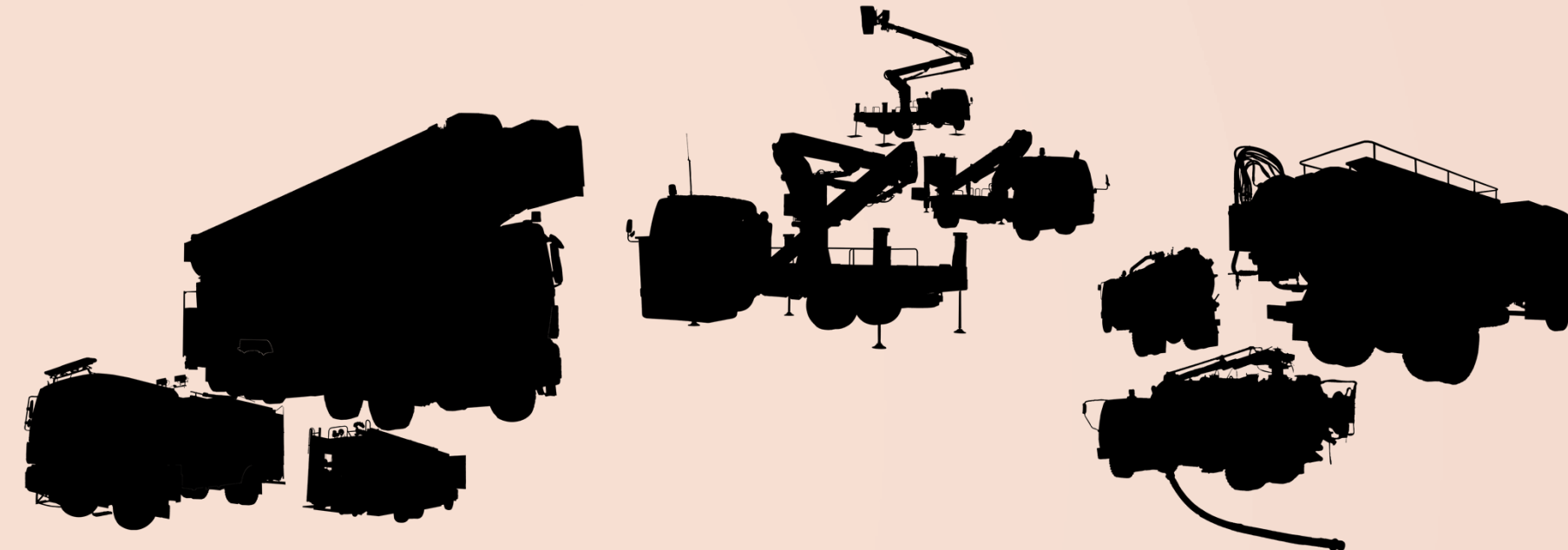
We consider this just the beginning of our journey in the fire apparatus market, as Meraj continues to make its indelible mark.



Established in 1978, MERAJ has maintained an unswerving commitment to delivering superior-quality fire apparatus to organizations nationwide. With a legacy spanning over 45 years, we have earned a stellar reputation for crafting dependable fire trucks. MERAJ Tailored Apparatus, from inception to the present, and charting the path for the future, have been, and will always be, constructed to meet every challenge with unwavering reliability.

PRESENT. FUTURE.

Our core motivation in every endeavor is an intense passion for delivering a product that stands up to the test when it matters the most.



In addition to specialized vehicles, MERAJ has ventured into the realm of fire protection and firefighting equipment. Our product spectrum spans from personal protective gear to various technical equipment, each with multiple brand, certification, and specification options. Our expert technical and sales teams work diligently to ensure that the equipment supplied aligns perfectly with the unique needs of our customers around the globe.

OUR VISION

- We aim to extend our regional influence to a global scale, unyielding in our pursuit of providing top-tier, unparalleled protection through our superior products and services.
- We are committed to aligning our investments in products, facilities, and human resources with our long-term objectives, prioritizing sustainable growth over fleeting advantages.

OUR MISSION

- Our goal is to implement the most cutting-edge technology, ensuring safety in all dimensions.
- We strive to deliver globally, our top-notch special application vehicles and equipment.
- We strive to deliver globally, our top-notch special application vehicles and equipment.

PRECISION BUILT.

ENGINEERED FOR CHALLENGE.

We Persistently Pursue The Latest Materials, Technologies, And Manufacturing Methodologies To Transform Your Specifications Into The Precision-engineered Tool You Require

+ Press Brake Equipment

Our state-of-the-art press brake equipment enhances production speed and parts uniformity. User-friendly touchscreen control systems simplify operations while augmenting precision

+ Research and Development

Our team of 20 engineers persistently pushes the boundaries of truck application concepts, ensuring that Meraj's trucks adhere strictly to international standards

+ Superior Protection

We pledge to safeguard your interests with one of the most robust warranty packages available in the industry.

+ Attention to Detail

Starting from the initial sketch of your truck, we meticulously attend to your specific requirements, ensuring the final product surpasses your expectations. Each detail will be crafted precisely to your specifications, down to the very last painted stripe

+ Fiber Laser Machine

Precision accuracy in every cut. The versatile fiber laser machine boosts productivity and takes precisionbuilt apparatus to the next level.

+ CAD Software

Intuitive 3D design allows our engineering team to conceptualize and transform ideas into your next build.

Polypropylene

POLY-PRODUCTION

MERAJ's Poly-Production facility is outfitted with cutting-edge machinery for co-polymer fabrication. The recent addition of CNC machines has significantly enhanced our manufacturing capabilities in both quantity and quality. Our dedicated team of experienced engineers and fabricators specialize in Plastic tank design, Modular Body's, FEA analysis, and manufacturing, working tirelessly to produce the most precisely engineered product.

Our polypropylene tanks are an innovative, corrosion-resistant solution ideal for the hot climates of the Middle East and Africa. These custom-made tanks are lighter than their steel counterparts and can accommodate capacities from 500 liters to 15,000 liters. Crafted using the latest welding technology and techniques, these acid-resistant, watertight extinguishing tanks are designed for a wide temperature range and are 100% safe for carrying drinking water.



Poly-Body Work

Our vehicle bodies made of polypropylene are crafted from copolymer sheets using a welding process. This highly innovative technology offers unparalleled advantages over traditional methods. Co-polymer is an exceptional, cost-effective alternative to fiberglass composite or aluminum constructions, known for its body strength that ensures robust physical properties in both high and low temperature applications. It has been sledgehammer and bullet tested, proving that it neither dents nor absorbs impact energy, and importantly, does not transfer collision forces to other components of the vehicle body.

Our carefully calculated process takes advantage of cutting polypropylene sheets on CNC machines and creating precise 3D drawings. Thanks to the flawless welding process, the construction possibilities are virtually limitless, ranging from integrated water and foam tanks to customizable capacities of locker space.

BENEFITS OF POLY TANKS

Our Poly Tanks, suitable for Water, Foam, Diesel, and Chemical storage, offer the following benefits:

- Lightweight construction
- Resistant to chemicals
- Certified for drinking water transport
- Extended lifespan
- Customizable sizes and shapes



Body Concept

Fire Truck Bodies – The right body for every application.

When specifying equipment bodies, MERAJ offers number of materials. Stainless steel, Aluminum, polypropylene and even structure free options, each has its own set of benefits depending on application.

We believe that paying close attention to the tiniest details is crucial, because the details that go into our trucks are shown in form of versatility, robustness and ergonomics. Our engineering team is constantly working round the clock to come with better and ergonomic solutions with 4 decades of experience, we believe we can offer and meet anything being offered in the market and more.. Meraj Body Concepts are being offered in four bespoke solutions with industry leading warranty for paint and body work, because we believe in our products.

- ◆ **HDized – AP**
- ◆ **ALX - AP**
- ◆ **PLP - 9003/07**
- ◆ **STRUCTURELESS-SL**

- Integrated lighting system
- EASE stowage system (adjustable shelves, rollout trays and tool-boards) [optional]
- Aluminum Roll-up doors
- Stainless Steel structure [optional]
- Integrated wiring channels
- Lower compartment door panels flip down to provide easy access to upper compartment storage area. [optional]
- Crew Cab integration for up-to 6 crew members [optional]

Torsion-Free Superstructure

All Meraj manufactured superstructures are based on sub-frame construction concept makes it easy to construct body for any kind of chassis or complex design.

- ◇ Body can be constructed even if the chassis is not available in modular body design and making it easier for Exports to our distributors/installers.
- ◇ Easy to mount/dismount tank and compartments for repairability.
- ◇ Easy to put drive shaft from PTO to Pump
- ◇ All of the Weight is on the sub-frame thus protecting the chassis from any damage
- ◇ Allow the chassis to twist on the jumps and turns without damage the body components.



FIRE FIGHTING VEHICLES

- Urban Fire & Rescue Trucks
- Industrial Fire Trucks
- Rapid Intervention Vehicles
- Aviation Fire Trucks (ARFF)
- Rescue Vehicles
- Roll on / Roll off Containers
- Fire & Rescue Aerials
- Fire Fighting Support Tankers
- Forest Firefighting Trucks
- Rapid Response Vehicles



Urban Fire & Rescue Trucks [EN-1846 Certified]

MFT Series – Fire Trucks are our most customizable and with range options available to go with it. Telescopic Light Masts, external generator, EASE racking system, Crew Cab with customizable seating arrangements, Aluminum weld free body, EN 1028 approved pump or NFPA 1901 compliant pump.

- Polypropylene Tanks, SS Tanks, GRP
- Welded, Weld Free and Structureless Bodies
- Pneumatic/ME+ control system
- Fully modular kit concept
- 5-ton to 21-ton GVW [weight classification]

Industrial Fire and Pumper Trucks

MIFT Series – Product line offers a high degree of specialization and extinguishing capacity for fire protection in the industrial sector. The demands of industrial fire departments are enormous: To protect people, the environment and property in challenging environments such as the petroleum processing and pharmaceutical industries, firefighting vehicles that meet the special requirements of complex chemical processes and achieve the necessary high extinguishing performance are needed.

- Highly developed extinguishing systems
- Flexible design for the individual needs of industrial fire departments
- Special high reach extendable turret (HRET)
- Pump systems with outputs of up to 14,000 l/min in feed-in mode industrial proportioning systems, and optional compressed air foam systems (CAFS).

Rapid Intervention Vehicle [Small Airports & Helipad]

MRIV Series – Rapid Intervention Vehicles are built on dual-axle vehicle chassis of American manufacturers where available and European / Japanese chassis with permanent all-wheel drive and dual tires particularly suitable for rapid and safe operation in small airports and heliports. Tank contents are selectable with contents of up to 3,000 L. Additional systems, such as an optionally available dry powder units as well as CO2 systems, complete this series. Innovative product solutions make it the perfect all-rounder for any airport fire department.

- Firefighting pump with output of up to 2,000 l/min at 10 bar
- Pump drive via independent pump engine (gasoline or diesel) or pump and roll PTO for simultaneous driving and firefighting
- Automatic foam systems water/foam roof turret or bumper turret
- Under truck nozzles on all wheels and on the front of the vehicle
- Ultra-High Pressure System (UHPS) drive via own pump engine with hose reel.

Airport Rescue Fire Fighting (ARFF) [ICAO & NFPA 414]

FRIGATE Series – Commercial Chassis ARFF.

These vehicles are built on 2 or 3 axles standard chassis and carry up to 11,000 liters of extinguishing agent, usually water and foam, occasionally dry powder or CO2. The powerful roof turret and front turret make sure that a targeted and efficient firefighting attack is possible even while driving. We take the individual configuration of these fire vehicles as one of our strengths, with our various superstructure options we offer maximum flexibility.

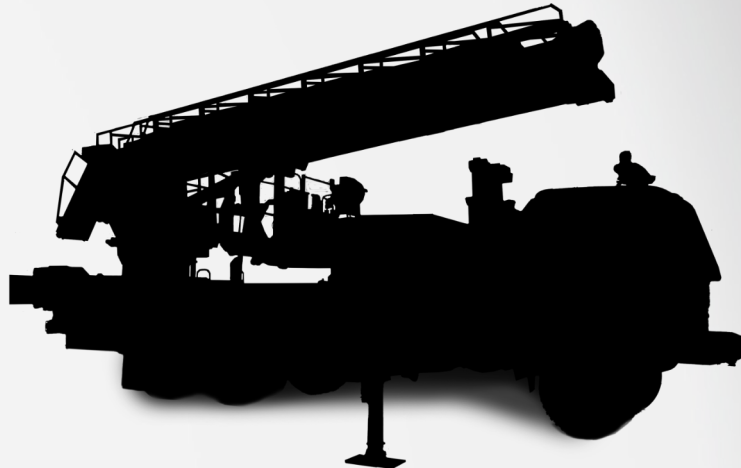
- 2-door single cab for two persons (4x4 & 6x6)
- 4-door double cab for five persons (only 6x6)
- Firefighting pump with output of up to 6,000 l/min at 10 bar
- Pump and roll PTO for simultaneous driving and firefighting
- Automatic foam systems water/foam roof turret or bumper turret
- Under truck nozzles on all wheels and on the front of the vehicle
- Truck Options: Volvo, MAN, Astra



Fire & Rescue Aerials

MHAP Series – When serving fire fighters, time is of the essence. The MERAJ aerial platforms are designed for easy maneuvering, quick set-up, and efficient operation to save the precious minutes.

- Spacious rescue cage with high safe working load
- Breathing air, electricity, and hydraulics in the cage
- Remote control for boom movements and water monitor
- Emergency back-up system
- Detachable winches
- Stretcher carrier
- High voltage detector
- Ultrasonic collision guard
- Various working lights and camera options
- Laser Rangefinder

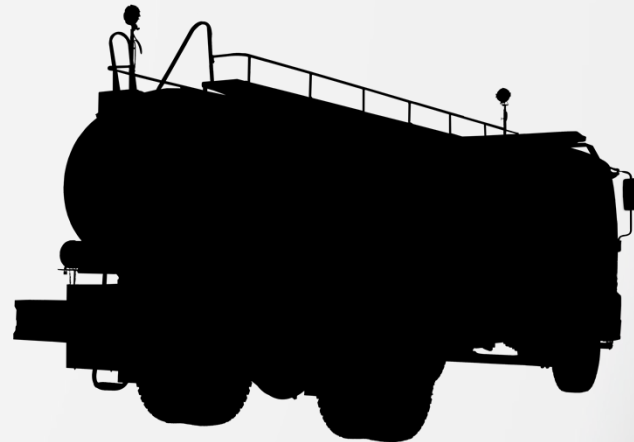


Firefighting Support Tankers

MWB-F Series – Big on storage. Big on flexibility. Big on performance.

Water shortage can happen anywhere – whether in rural areas, on motorways or remote roads, in large industrial plants or old town area. Before such a case becomes a problem MERAJ pumper tanker is here to support all your extinguishing needs.

- Water tank capacities up to 25,000 Liters
- Wide array of compartmentation available to store equipment.
- Heavy duty construction.
- Full line of commercial chassis availability.



Visit : www.meraj.com for the latest updates. Some models shown with optional equipment.

17

fire fighters, time is of the essence. The MERAJ aerial platforms are designed for easy maneuvering, quick set-up, and efficient operation to save the precious minutes.

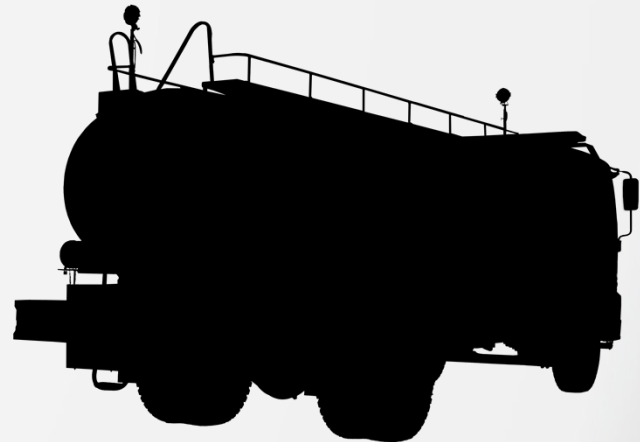
- Spacious rescue cage with high safe working load
- Breathing air, electricity, and hydraulics in the cage
- Remote control for boom movements and water monitor
- Emergency back-up system
- Detachable winches
- Stretcher carrier
- High voltage detector
- Ultrasonic collision guard
- Various working lights and camera options
- Laser Rangefinder

Firefighting Support Tankers

MWB-F Series – Big on storage. Big on flexibility. Big on performance.

Water shortage can happen anywhere – whether in rural areas, on motorways or remote roads, in large industrial plants or old town area. Before such a case becomes a problem MERAJ pumper tanker is here to support all your extinguishing needs.

- Water tank capacities up to 25,000 Liters
- Wide array of compartmentation available to store equipment.
- Heavy duty construction.
- Full line of commercial chassis availability.



A black silhouette of a MERAJ pumper tanker truck, shown from a side profile. The truck features a large cylindrical water tank mounted on a commercial chassis. It has multiple axles and wheels, a ladder on top of the tank, and various compartments and equipment visible along the side.

Visit : www.meraj.com for the latest updates. Some models shown with optional equipment.

17

Water shortage can happen anywhere – whether in rural areas, on motorways or remote roads, in large industrial plants or old town area. Before such a case becomes a problem MERAJ pumper tanker is here to support all your extinguishing needs.

- Water tank capacities up to 25,000 Liters
- Wide array of compartmentation available to store equipment.
- Heavy duty construction.
- Full line of commercial chassis availability.

Forrest Trucks

MFFV Series – Light, Efficient, Robust

Wild-land Fire Vehicles are robust vehicles, equipped with all-wheel drive (minimum 4×4), with models in double or single cab available for various working conditions: narrow roads (short and steep grades), narrow roads (short and steep grades), maneuverability necessary), unstable terrain (rocks, mud, etc).

- Light, Medium and Heavy Range
- 500 L to 2500 L pumps available
- Self-protection measures available
- Single or double cabin, available
- Tank vehicles with up to 2000 L capacity
- Rollover protection system

Rapid Response Vehicles

MRRV Series – Compact, Agile

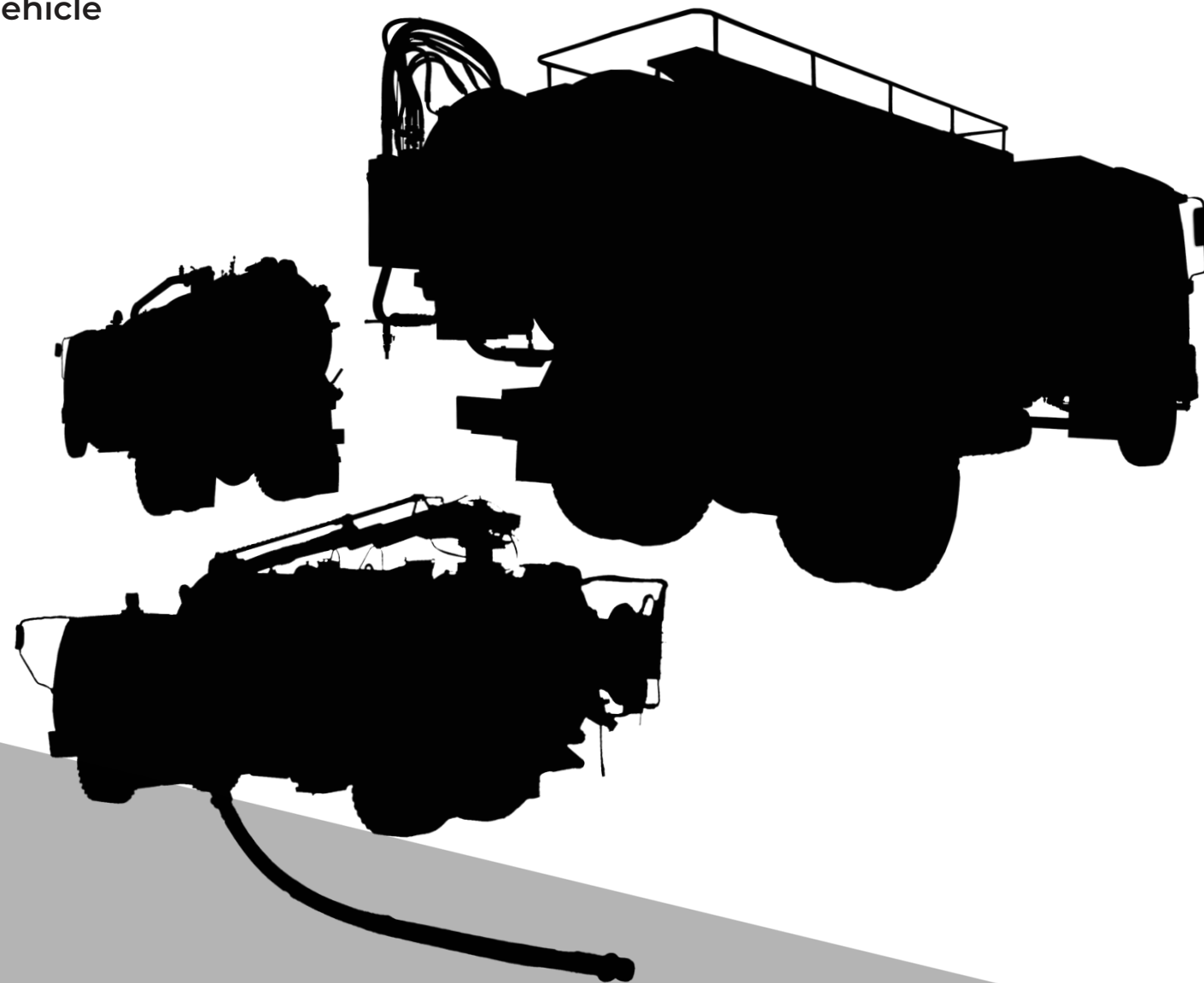
MERAJ RRV is the answer for the needs of small industries where fire apparatus fail to enter. Designed for the needs of small industries, it is a compact vehicle with a plunger pump with independent tank. It is built on vehicles <5-ton GVW, with a PP tank to maximize water capacity.

- Tank capacities up to 2000 L
- Wide array of compartments
- Can be equipped with CO2 system
- Ultra-High-Pressure System
- GVW Classification: <5-ton



MUNICIPAL VEHICLES

- Combined Suction / Jetting Vehicle
- Suction Vehicle
- Jetting Vehicle
- Hook Lifts
- Aerial Platforms
- Water Tanker



Visit www.merajlimited.com for the latest updates. Some models shown with optional equipment.



Combined Suction/Jetting Vehicle

MCSV Series – Combined vehicle is like a Swiss knife of functionality for sewage cleaning. multi-functional machine ideal for contractors and councils working on mainline sewers, gullies, and drains. It features an uprated jetting performance and the benefit of years of focused research and development. The result of this investment is a very efficient standard package. The fundamental difference and upgrade are apparent with the fitting of the large hydraulically powered jetting hose reel to the rear door. Many additional options are also available to the customer to suit their requirements.

- Jetting Pump - Pratissoli MW 32/36/40 up-to 200 LPM and 300 bar of pressure.
- Vacuum Pump - Jurop PR 150/200/250 up-to 25,800 LPM and 95% vacuum
- Hydraulic Overhead Loading Boom 150mm (6") [optional]
- Tipping Body [optional]
- Tilting Jetting Hose Reel
- 9-ton to 26-ton GVW [weight classification]

Vacuum Tankers / Suction Vehicle

MSV Series – Meraj offers the largest range of specialist hazardous and nonhazardous vacuum tankers in Pakistan, purpose designed to meet all your liquid waste collection and transportation requirements. Customers that want diversity, then it doesn't get any better than MSV. Purpose-designed, every MSV is different. Suitable for all types of rigid or semi-trailer chassis, tipping or nontipping, and frameless semi-trailers, they can be manufactured from stainless, carbon, and galvanized steel.

- Top Mounted Manhole c/w Ladder Access
- Anti-surge Bolt in Baffles
- Fixed Body using Meraj Flex mount system
- Full range of air pumps available, from 150 cubic meters per hour to 2500 cubic meters per hour. Further specialist equipment is available.
- Pump types include rotary vane, oil free, air cooled, water cooled, liquid ring
- Available as kit form to be mounted on any chassis.

Jetting Vehicle

MJV Series – Jetting Vehicles features functionality of jetting operations from

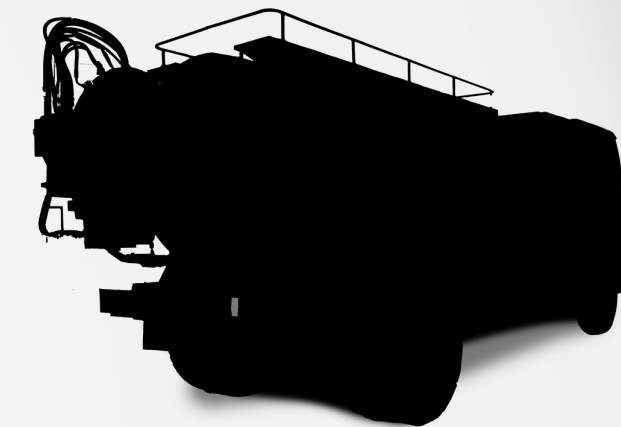
Combined vehicle in a very simple and functional package. The jetting performance is taken to the next level to provide a machine to take on a wider range of duties as required by our customers. Equipped with the hydraulically powered jetting hose reel, together with an updated flow and pressure from the larger jetting pump, there is little the MJV cannot handle.

- Jetting Pump - Pratissoli up-to 200 LPM and 300 bar of pressure.
- PTO driven and optionally auxiliary engine drive
- Tilting Hydraulically powered self-aligning Jetting hose reel
- Extra deep lockable storage boxes on both sides
- Programmable Logic Controller (PLC) [optional]
- Rubber Jetting Hose in lieu of Thermoplastic
- Extra Jetting hose length up to 150m on Main Reel 1" Dia. [optional]
- Available as kit form to be mounted on any chassis.

Hook-lifts [De-mountable Container System]

Town Slider Series – The Town Slider hooklifts are known for its versatile design and ease of operation. All models of the Town Slider feature permanently lubricated and grease-able bushings used throughout, the hook lifts provide a full-length dump frame and rollers positioned throughout the loader, instead of saddles with wear pads. All Meraj hook-lifts operate using in-cab controls which allows for precise metering of the hydraulic valve while offering a clear and safe view of the operation through the rear window.

- Meraj manufactured available models: 3,000 kg to 10,000 kg
- Higher capacity models are available from HIAB, Sweden up-to 27,000 kg
- Hydraulic locking mechanism for dump operations
- Integrated oil tank
- In-cab controls
- Hydraulically adjustable hook lengths
- Hydraulic counterbalance valves to prevent cylinder collapse in case of hose failure.
- Available as kit form to be mounted on any chassis.



Truck-Mounted Aerial Platforms

Meraj manufactured access platforms offer both non-insulated and insulated platforms reaching working heights of between 10 m to 30 m for chassis weighing between 3.5 t and 18 t for higher reach we offer CTE, Italy built platforms. Meraj access platforms are thus optimally adjusted to the relevant working range. The most important industries include: leasing and rental business, local authorities, landscaping/gardening, energy supply and the cleaning of structures, buildings and large machines as well as the maintenance and repair of wind turbines.

- Telescopic, Articulated and Telescopic Articulated options
- Extra reach jib for those hard-to-reach places
- Allows operating in narrow areas
- All functions can easily be operated by using the full colour control panel. A quick-to-understand, icon-based display intuitively guides the user through the menu.
- Convenient stabilizer system
- The automatic leveling of the work platform saves time and ensures the maximum performance
- Home function
- Memory function

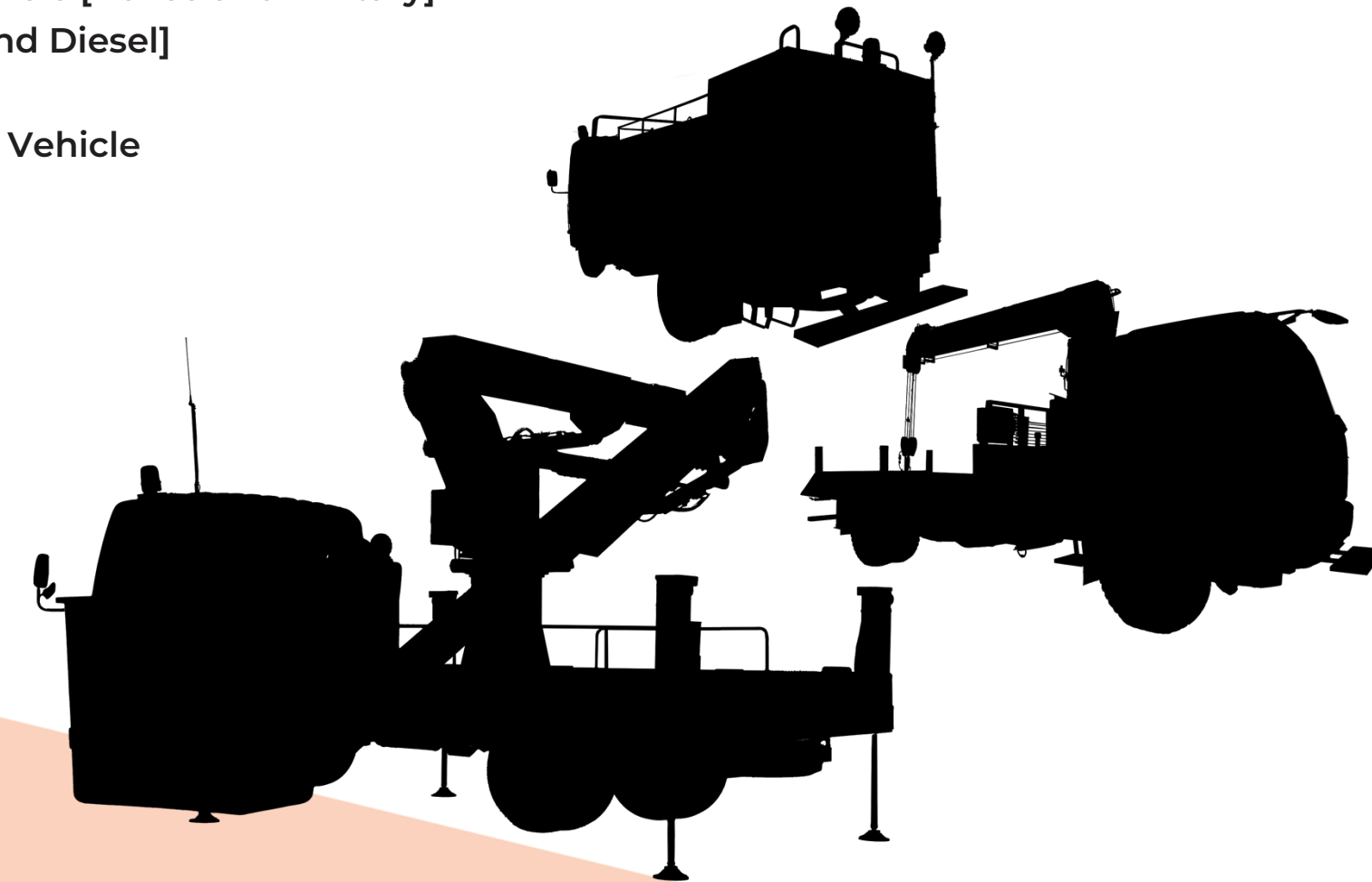
Water Tankers

MWB Series – Meraj offers the most unique systems for water tankers, they are offered with PTO driven pump / auxiliary engine drive. Water tankers can be manufactured with variety of materials such as Stainless Steel, Mild Steel, Galvanized Iron and Polypropylene.

- Top Mounted Manhole c/w Ladder Access
- Anti-surge Bolt in Baffles
- Fixed Body using Meraj Flex mount system
- Full range of pumps available, from 300 GPM to 1500 GPM at 110 psi. Further specialist equipment is available.
- Pump and roll functionality, for continuous pumping operations while driving.
- Ground sweep nozzles
- Street washing capability with a high pressure plunger pump
- Available as kit form to be mounted on any chassis.

SPECIAL PURPOSE VEHICLES

- Wrecker / Recovery Vehicle [Police and Military]
- Fuel Bowser [Jet Fuel and Diesel]
- Truck Mounted Crane
- Insulated Bucket Utility Vehicle
- Mobile Workshop
- Public Safety Vehicle





Wrecker / Recovery Vehicle

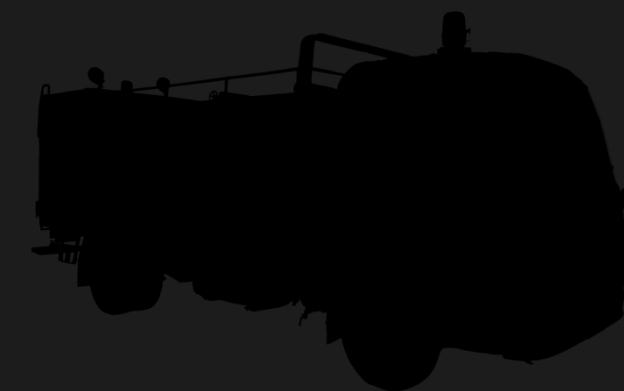
Meraj assembled wreckers and recovery vehicles are offer with a worldrenowned brand in t industry worldwide Miller Industries, their expertise combined with Meraj's experience of th markets needs makes a good combination for the customer. Meraj has been working with Miller Ind for nearly 2 decades and we know the name of the game. Offering a wide range of rotating boom, flat bad and fixed boom recoveries. For more information about regions and products that Meraj caters, please contact our skilled sales engineer to provide a product oriented towards your needs.

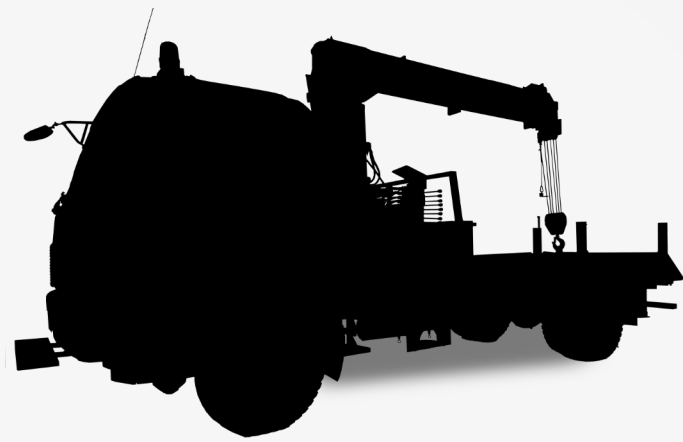


Fuel Bowers [Jet Fuel and Diesel]

MFB Series – MERAJ Fuel Bowers are manufactured with strict adherence to current standards, ergonomic design with low maintenance and user friendliness as these vehicles are designed keeping in mind a very important duty that these vehicles perform. Equipped with Meraj manufactured aluminum alloy pump designed for fuel applications, a filtration mechanism manufactured by Meraj and tested in field numerous times and perfected by customers feedback, adherence to NFPA 385 and NFPA ensuring 100% compliance for safety and standards. Making it the ideal choice for fueling need of diesel and jet fuel needs.

- Suitable to Carry various grades of Aviation Fuels. (Jet A1 / JP8)
- Self-Priming Fuel Pump, capacity up to 600 LPM (max.) at a discharge pressure of 04 Bars, Size: 2" Suction 2" Discharge.
- Fuel Pump is directly coupled with Transmission PTO through propeller shaft or as a power-pack mounted on trailer
- MERAJ manufactured Horizontal Filter/Separator (700 LPM [200 GPM]) with imported filter elements suitable for Aviation Grade Fuels.
- Filtration System: Qualifying API Publications 1581 3rd Edition is provided as per details given at S. No. 5.
- Over-Wing Fueling (Upper Wing) Nozzle
- Micronic filter water indicator (Water sensor kit)
- Earthing Reel and grounding stick shall be provided to eliminate static electric charge.
- Spark Arrester with exhaust of vehicle at rear of engine compartment.





Truck-Mounted Cranes

The loader cranes we offer are used for a broad range of lifting tasks from simple repeated lifts to more complicated precision demanding tasks. A Meraj loader crane gives you one of the best lift-to-weight ratios on the market. We have cranes for almost all lifting challenges.

The Meraj loader cranes are developed with the newest materials and high-tensile steel, which - at the same time - keep its weight to a minimum. This means that you can load as much as possible with inner strength for many years of intensive use. The length of your loader crane is reduced as far as possible. This allows you to have a larger platform body and optimize the payload.

- Stabilizer solutions
- Fire & Rescue application
- Specialist lifting requirements
- Lifting capacities <12-ton.m to >100-ton.m

Mobile Workshop

Meraj manufactured mobile workshops offer a variety of user-oriented options and functionalities. Tailor made to suit the users need in mind, our team of professionals can sit with you to determine your exact needs and specification, the shell is constructed with our HDized-AP body concept, the structure is made with laser cut galvanized iron pipe and the exterior is pasted aluminum sheet giving the whole structure the longevity for years of service. Compartments can be equipped with aluminum roll up doors to save up space rather than a conventional door, scene lighting package can include a light mast, a hydraulic tailgate can be fixed to lift equipment in or out.

The workshop can be optionally equipped with Hydraulic knuckle boom crane, Gen-sets, Air compressor, counter tables with vice, oil pump, hose reels for pneumatic or oil operations, and a wide array of options. If you can think it, we can manufacture it.

Offered with numerous functionalities and configurations, please contact our efficient and knowledgeable sales engineer for further information.

Visit : www.meraj.com for the latest updates. Some models shown with optional equipment.

Public Safety Vehicle

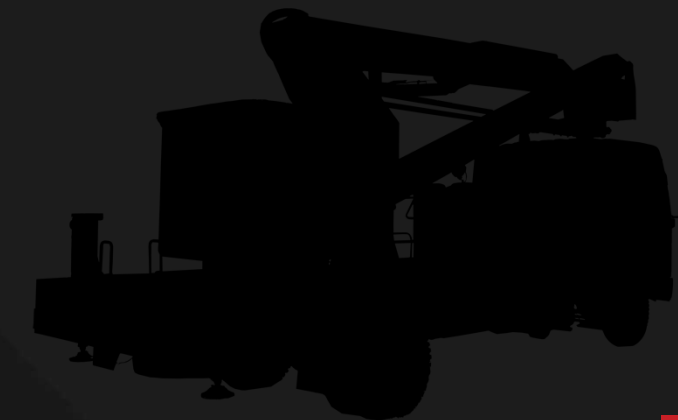
MRCV Series – Our public safety vehicles are offered to you from years of knowledge and knowhow. Manufactured on 2 or 3 axle truck chassis with minimum 400 hp, the spacious cabin is equipped with the latest technique and offers 360° all-round visibility. This cabin offers space for a 1 + 4 crew. Automated functions and intuitive control concept ease the handling. All turrets can be controlled individually. An overpressure ventilation system preserves the crew from gaseous mediums such as smoke. A range of options for the whole truck are available such as, armored cabin (option) ensures the security of the crew, windshield of the crew cabin is available in a bullet-proof version (option), multiple water turrets, hydraulically operated front clearing blade for obstacle removal, a complete lighting package on all angles and sides of the vehicle, an independent Meraj manufactured pumping unit for continuous operations with capacities up-to 6000 LPM and an Internal water tank capacity up to 9,000 L.



Insulated Bucket Utility Vehicles [ANSI A92]

MATBP Range - Meraj manufactured Insulated platforms are relatively new product line in our family of products but for the last 5 years we have done extensive research and development on this product and are now able to offer a market competitive and most common heights ranging from 14 meters (46 ft) to 19 meters (62 ft), our products meet and exceeds all applicable ANSI standards. Most of our models are OSHA compliant and easily mountable on any brand of chassis and can be sold as kit.

- Articulating Telescopic model only
- Side reach 7.5 m (24 ft) to 12 m (39 ft)
- 272 kg (600 lbs) platform capacity with 180° rotation
- Fiberglass Upper Boom & Lower Boom Insulator
- Single hand 3-movement control stick [optional]
- Continuous Rotation
- Engine Start/Stop [optional]
- Lighting package [optional]
- Outrigger Motion Alarm and Outrigger Interlocks
- Two sets of hydraulic tool circuits at platform for auxiliary tools
- Diagnostic Pressure Test quick disconnect couplings [optional]
- Emergency Stop valves at all upper and lower control stations [optional]
- Recommended safety features on these unit include a platform liner, fall protection system, wheel chocks and outrigger pads.



SPECIAL APPLICATION PUMPS

- Municipal Pumps
- Industrial Pumps
- Fuel Pumps [Diesel and Jet Fuel]
- Firefighting Pumps

Municipal Pumps

Municipal work is the toughest test of the pump, as they have to deal with different kind of fluids and slurries. Municipal work also employees working at difficult areas and situations where the fluid conditions are not specified. For such conditions MERAJ has a range of suitable pumps that are capable to deal with the working atmosphere of Municipal Applications. These pumps Are NON-CLOGGING pumps. These can handle vast range of fluids and pumps are also available that are used for watering and de-watering.

MT and MH Series are Self-priming centrifugal, heavy-duty, solid-handling, medium head pumps with re-prime capability, and advanced design and maintenance features. The pumps are economical and dependable. They are easy to install and maintain. All pumps are manufactured which meets the international standards. MT pumps are designed in range of sized to give the best solution to the customers.



Industrial Pumps

MERAJ Industrial Pump Series can be used for a wide range of applications across many industries. An industrial pump is usually a heavy-duty process pump used to move many different types of products, including water, chemicals, wastewater, sludge, slurry, or food. The types of pumps typically used in industrial purposes are mainly centrifugal pumps.

MERAJ manufactured pumps for industrial application are manufactured according to international standards these pumps are manufactured with the advance yet simple methods. ST Series are centrifugal vacuum assisted priming pumps with low-pressure and a large volume and have a range of options available, which are suitable for industrial use.



Fuel Pumps

MERAJ FA & FD Series gear-reducer, power take-off (PTO) pumps are ideal for a variety of clean liquid handling applications. Whether it's controlling dust at a quarry or supplying aircraft fuel, FA & FD pumps excel in moving fluids that do not contain solids. Their rugged, lightweight construction and compact design enable mounting in the unused space between the cross member of the chassis frame on refueling and water transfer vehicles. Power takeoff pumps provide the performance to handle the rates of fuel required by local service carriers and suppliers. These pumps are ideal for handling fuel, oil, gasoline, or other petroleum-based products. And, when necessary, their efficient, economical design permits multiple unit installation making them perfect a perfect auxiliary pump for Fire Trucks, Sewerage Cleaning Trucks, and water pumpers.



Firefighting Pumps

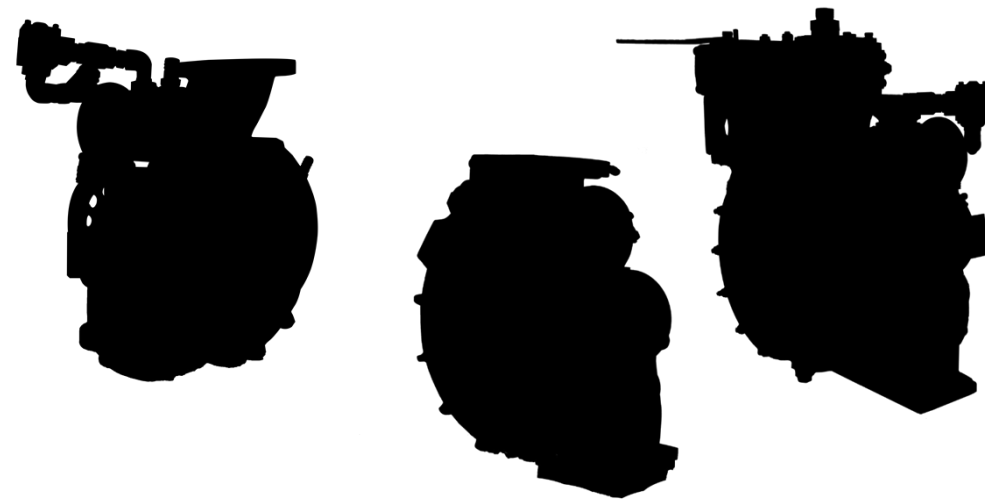
Firefighting system require such type of pumps which are sufficient to work in a stressful changing situation and discharge the water at maximum head possible with the maximum flow rate and should with stand in high temperature and work smoothly.

MERAJ as a premium fire apparatus manufacturer takes pride that we can offer such firefighting pumps that are capable to work in such challenging situations and the performance of the pump is tested and tried throughout the decades of engineering and customer feedback

FP series pumps are the single stage, centrifugal pumps with PTO technology are manufactured and tested to NFPA 1901 and EN-1028-1 & 2 compliances. Our firefighting are EN-1028-1 and EN-1028-2 certified to meet the high-pressure flow rate which range from 300 to 1500 GPM needed for major high-pressure application. The FP series pumps are our highest selling pumps. It is available with 2 or 3 gears transmission and allows for the addition of a high-pressure booster pump or CAFS.

Features:

- Variable speed
- Hydraulic drive
- Power take-off
- Safe for electric drive
- Brass or Aluminum impeller
- Ductile iron, Aluminum or Gun Metal body
- Skid mountable
- Trailer mountable
- 2-stage model also available
- Multi-Pressure model available with 400 LPM @ 40 bar
- Automatic and Electric Priming



RANGE OF EQUIPMENT



FIRE PUMPS



NOZZLES



ALARM SIGNAL
INSTRUMENTS



FOAM



PERSONAL PROTECTION



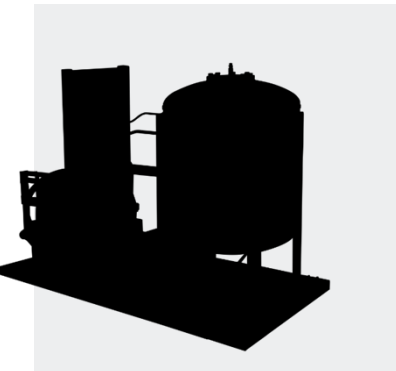
BREATHING EQUIPMENT



POWER GENERATORS
ELECTRICAL EQUIPMENT



HYDRAULIC TOOLS



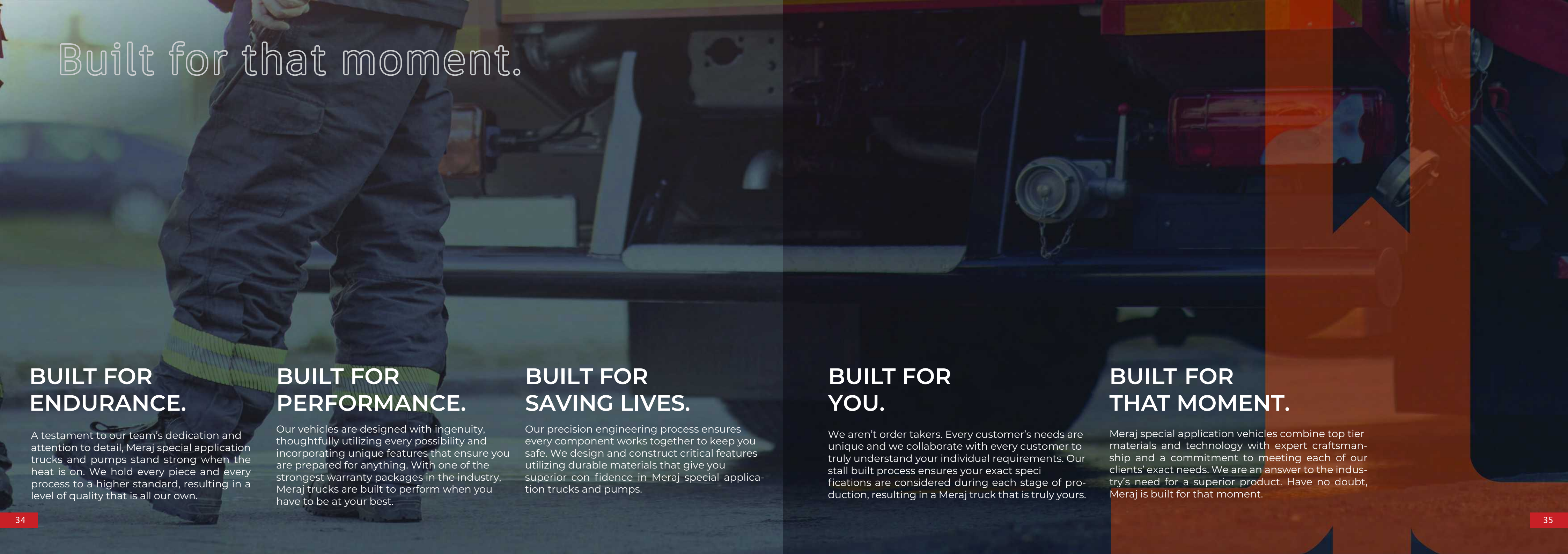
DCP MODULES



THERMAL IMAGING



MONITORS



Built for that moment.

BUILT FOR ENDURANCE.

A testament to our team's dedication and attention to detail, Meraj special application trucks and pumps stand strong when the heat is on. We hold every piece and every process to a higher standard, resulting in a level of quality that is all our own.

BUILT FOR PERFORMANCE.

Our vehicles are designed with ingenuity, thoughtfully utilizing every possibility and incorporating unique features that ensure you are prepared for anything. With one of the strongest warranty packages in the industry, Meraj trucks are built to perform when you have to be at your best.

BUILT FOR SAVING LIVES.

Our precision engineering process ensures every component works together to keep you safe. We design and construct critical features utilizing durable materials that give you superior confidence in Meraj special application trucks and pumps.

BUILT FOR YOU.

We aren't order takers. Every customer's needs are unique and we collaborate with every customer to truly understand your individual requirements. Our stall built process ensures your exact specifications are considered during each stage of production, resulting in a Meraj truck that is truly yours.

BUILT FOR THAT MOMENT.

Meraj special application vehicles combine top tier materials and technology with expert craftsmanship and a commitment to meeting each of our clients' exact needs. We are an answer to the industry's need for a superior product. Have no doubt, Meraj is built for that moment.



MERAJ Limited

Plot No. 11 Sector 15, Korangi Industrial
Area, Karachi 74900 Pakistan.

Ph: +(92-21) 11 10 MERAJ

Fax: +(92-21) 35060 663

info@meraj.com

www.meraj.com