



MT

Modular Technology

Customized firefighting vehicles for municipalities, industry, airports, and wildfire.

Versatile. Individual. Powerful.

 **rosenbauer**

Different modules. Unlimited possibilities.



Crew cab module

MT vehicles can be equipped with the Rosenbauer proCAB for transporting the crew. As a standalone cab, it can be customized in size, number of seats, and design.



Chassis

The MT body can be combined with all common chassis with 2 to 4 axles.



Equipment compartment module

The module for mounting technical equipment is available in lengths from 650 mm to 2,950 mm. It can be equipped with a fixed or fold-down step-on stirrup or a full height locker with a hinged step.

Tank module

The volume of the extinguishing agent containers (for water, foam, or combined) ranges from 2,000 to 20,000 liters. The tanks are produced from polypropylene by Rosenbauer themselves.



Pump compartment module

The size of this module depends on the pump performance and the optional proportioning system. Access is provided via a flap or roller shutters. At the side, either full height flaps or step-on stirrups facilitate equipment removal.

Powerful firefighting equipment. Maximum reliability.



Central operation

The firefighting equipment is controlled centrally via the Rosenbauer LCS control system, from the driver's cab, the pump compartment, or via remote control.



Front turret

Electronic turrets with flow rates ranging from 100 l/min to 2,000 l/min are available for the front of the vehicle. The stream can be adjusted as standard, but optionally the flow rate can also be regulated. Operation is from the driver's cab.

STINGER Industrial boom

The boom from Rosenbauer is available in heights of 16.5 m and 20 m, as well as with a piercing tool. The STINGER can be controlled via a radio remote control. Thanks to multiple jacks and a special cable feed-through, the boom can be rotated through a full 360° in MT vehicles. The maximum flow rate is 4,500 l/min.



Roof turret

Both manual and electronic turrets are available, which can be controlled by a joystick or a remote control. Flow rates range from 100 l/min to 15,000 l/min. The turrets have stream and discharge adjustment and can be optionally equipped with a foam pipe, ChemCore nozzle, and cameras.



Pump units

The pumps have flow rates ranging from 2,000 l/min to 13,000 l/min at an output pressure of 10 bar. In feed-in mode, up to 20,000 l/min is possible. The pumps are available in light alloy or gunmetal.

Powder and CO₂ extinguishing systems

MT vehicles can also be equipped with powder and CO₂ extinguishing systems. The powder extinguishing systems can also be fully integrated into the water and foam extinguishing system.

Foam proportioning systems

Depending on the application, the pump systems can be combined with a premix system as well as with direct injection foam proportioning systems of different sizes. Compressed air foam systems (CAFS) can also be integrated.

MT Municipal. Municipal use worldwide.



Large tanks for independent operations

Municipal fire departments respond to fires in a wide variety of locations – including highways, tunnels, and even forests or deserts. A reliable water supply is not always available in these instances. For this reason, MT vehicles with larger water tanks are particularly well-suited to supporting the work of municipal fire departments all over the world. In addition, the material composition of the tanks makes it possible to transport even drinking water, which is a major advantage in disaster zones, for example. The MT models can, of course, not only be configured to carry large quantities of firefighting water but also carry emergency crews to the operational scene, thanks to a sufficiently large crew cab.

The MT for municipal use stands out for:

- Variable tank volumes up to 20,000 liters
- Maximum extinguishing performance
- A crew cab for up to 1+8 crew
- Large storage compartments with the COMFORT mounting system
- The intuitive RBC LCS control system



MT Forest. Made for extreme conditions.

Fighting wildfires is arguably the most extreme challenge a municipal fire department faces: the combustible material is practically endless, the terrain is rugged, and supplying extinguishing agents is extremely difficult. This places an immense strain on crew and machine. That's why the MT Forest combines off-road capability with highly efficient extinguishing technology and maximum protection for emergency crews, making it an agile and powerful tool for fighting wildfires.



The benefits of the MT as a wildfire vehicle include:

- Pump & roll extinguishing while driving
- Simultaneous use of the reel and turret (optionally via joystick)
- Large underaxle clearance and short overhangs
- A particularly sturdy body
- Rollover warning
- Various safety features: Roll-Over Protection Structure (ROPS), breathing protection systems, and heat blankets, as well as a self-protection system with cooling for tires and the cab



MT Industrial.

The ultimate in extinguishing performance.



Full range, maximum capacity.

Industrial fire departments protect people, property, and the environment in challenging places such as chemical sites and refineries. To do this, they need fire trucks with a high extinguishing capacity and specialized firefighting equipment. The MT product line therefore offers particularly powerful pumps, large water tanks, and even multiple foam tanks, allowing the appropriate agent to be added depending on the burning material.

Appropriate proportioning systems and large-diameter turrets also ensure the rapid discharge of very large quantities of extinguishing agent. When operating from a fire hydrant, the maximum output is a substantial 20,000 l/min. All components are also designed for continuous duty over many hours, which is often required during large-scale fire incidents.

The MT for industrial use stands for:

- Maximum output quantities of up to 20,000 l/min
- Maximum throw ranges of up to 130 m
- Reliable continuous duty for many hours
- Integration of industrial extinguishing systems
- Excellent operability thanks to RBC LCS





MT Airport. Top performance on the runway.

Top performance, during both driving and firefighting

Airport fire department vehicles must be able to operate both on asphalt and off-road, and must always be able to reach the operational scene quickly. They are also responsible for transporting large quantities of extinguishing agent and deploying it as quickly as possible. The ARFF vehicles of the MT product line can guarantee this thanks to their powerful motorization, all-terrain chassis, and, above all, their powerful and modern firefighting equipment.

With their excellent acceleration and high top speed, MT ARFF vehicles meet many of the guidelines and standards required worldwide.



An MT ARFF vehicle stands out for:

- Rapid acceleration
- High top speed
- Versatile range of applications
- Pump & Roll capability combined with turret operation from the driver's cab
- Highly customizable firefighting equipment
- Optional positioning of the pump unit behind the cab (midship)
- Highly cost-efficient

The MT at a glance.

With the MT product line, the design possibilities are practically limitless: Thanks to the modular principle, differently designed crew cabs, equipment compartment modules of different sizes, various extinguishing agent tanks, as well as pump units and firefighting equipment tailored to specific requirements can be combined to create a firefighting vehicle that is perfectly suited to its intended use. Modular Technology therefore offers the perfect solution for municipal applications, industrial and airport use, and the specific fighting of wildfires.

The full range of Rosenbauer firefighting equipment

MT vehicles have a wide range of applications. It ranges from performing various tasks for municipal fire departments to ensuring safety at chemical sites and at airports. The modular design makes it possible to accommodate this versatility, particularly when it comes to firefighting technology. For this reason, all extinguishing systems that Rosenbauer offers can be installed in MT vehicles, without exception. And because we have always designed and manufactured pumps, proportioning systems, and turrets in-house, all components work together in perfect harmony. This not only guarantees outstanding performance, but also absolute reliability in operation.

The extinguishing agent tanks on the MT vehicles are made from polypropylene (PP). This makes them corrosion-resistant and temperature-stable, allowing for the safe transport of drinking water. And thanks to their smooth surface, the tanks also require very little cleaning. They can also be fully recycled after use.

A safe and practical crew cab

The MT also impresses with its uncompromising solutions for housing emergency crews. In addition to the version with only the driver's cab, Rosenbauer offers the MT emergency vehicles either with a twin cab chassis or with a separate crew cab – the Rosenbauer proCAB. This standalone cab has everything you could want: LED interior lighting, LED-illuminated grab handles and handrails, high-quality molded plastic components, an extremely slip-resistant floor, SBCA holders, customizable entry solutions, or an optional connection between the crew cab and the driver's cab. In addition, extra equipment can be stored in the proCAB's integrated storage compartments, such as the seat boxes. The crew module is permanently attached to

the mounting frame and can be integrated directly behind the driver's cab or further back in the body. To facilitate maintenance, the driver's cab can be easily tilted on the chassis, regardless of the cab configuration.

State-of-the-art lighting for greater safety

To create perfect working conditions even in the dark, Rosenbauer relies on integrated scene lighting via LED strips. This provides wide, shadow-free, and glare-free illumination within a 25-meter radius of the vehicle. Optionally, this technology can also be used throughout the entire body: in the crew cab, in the equipment compartments, and on the roof.

Intuitive operation, even with a remote control

The functionality of a firefighting vehicle should never be a mystery. This is especially true in airport and industrial operations. Rosenbauer therefore relies on a modern, intuitive control system that is consistent across all vehicles – the RBC Logic Control System. This allows for intuitive, centralized operation of all installed equipment and integrated systems, from pumps to generators. All operating conditions can also be quickly recorded. All functions are color-coded, and the main operating path is highlighted in color and runs from left to right or from top to bottom. This allows every operator to find their way around the control panel instantly. The RBC LCS includes a 10" high-resolution display, as well as a smaller 3.5" display, an endless rotary key with pushbutton function (DIGIPOT), and various key panels.

Many of the functions on vehicles in the MT product line can be controlled not only from the pump compartment and driver's cab but also via a separate remote control.

The MT as a kit

Rosenbauer also supplies bodies from the MT product line in the form of prefabricated and tested modules, prefabricated assemblies (semi knocked-down), or individual parts (completely knocked-down). These components can then be assembled by selected partners around the world – in accordance with Rosenbauer's quality standards – thereby creating local added value everywhere.

Would you like to find out more about
the MT product line?
Visit rosenbauer.com or
scan the QR code.



