

Thermal Oil Heating System



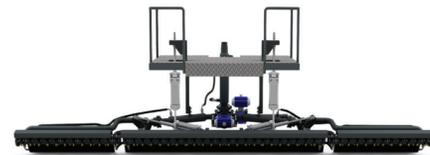
- ▲ High efficient thermal oil system provides easy and safe operation.
- ▲ Energy savings thanks to the highly efficient thermal oil heater with 80.000kCal/h capacity and the special design of the heating coils.
- ▲ Adjustable temperature of material inside the tank.
- ▲ Possibility to operate the heating system from the integrated diesel generator or from the main supply.
- ▲ Effective solution even in usage of the materials requiring high temperature such as polymer modified bitumen.

Tank



- ▲ Minimal heat loss thanks to high density rockwool insulation.
- ▲ Baffle that prevents the movement of the material in the tank.
- ▲ Additional manual discharge valve allows gravitational discharge of the material.
- ▲ Floating level indicator.

Spray Bar



- ▲ Thermal oil heated spray bar, with 3.6 meters standard width, can be extended optionally up to 4.8 meters.
- ▲ Precise spreading in the desired amount (kg/m²).
- ▲ Adjustable spraying width from the control panel.
- ▲ Adjustable operating height of spray bar.
- ▲ Manually or automatically foldable side bar extensions.

Smart Control System (Operator Control Panel)



- ▲ Convenient, high quality wide touchscreen on the operator control panel allows easy management of the system with one operator.
- ▲ Easy tracking of parameters such as real time spraying amount, vehicle speed and PTO.
- ▲ Displaying and adjusting the thermal oil input and output temperatures.
- ▲ Full automatic dosing system adjusts the required amount sprayed (lt/m²) depending on truck speed and spraying width.
- ▲ Systematic reporting and tracking system.

Hydraulic Pump and PTO Connection

- ▲ Connection between PTO output of the truck and hydraulic pump is provided via the connection shaft. PTO rotation speed and direction are critical points in system design.

Diesel Engine Option

- ▲ Diesel engine for truck models without PTO.
- ▲ Easier and faster mounting and dismounting from the chassis.

Optional Control Equipment

Online tracking and reporting system

- ▲ 7/24 remote access to the vehicle's detailed location and report information.

Camera system

- ▲ Camera on the back of the machine for safety.
- ▲ Real time visual control of the operation from the cabin in spraying mode.

Optional Equipment

- ▲ Special solutions for applications of materials such as emulsion, bitumen, PMB etc.
- ▲ Special spray nozzles for high viscosity materials.
- ▲ Integrated mixer to prevent materials from disintegration and agglomeration.

Thermal Oil Heater

Manhole

Warning Lights

Tank Level Indicator

Filling and Cleaning Pipe

Manuel Discharge Valve

Camlock valve at the rear of the tank to discharge the tank manually without the need for hydraulic and bitumen pumps.



sprayFALT Animation

Bitumen Pump

High capacity bitumen pump that driven by the hydraulic system.

- ▲ Filling Mode
- ▲ Cleaning Mode
- ▲ Circulation Mode
- ▲ Discharge Mode

Spraying Lance

Spraying lance and hose positioned on the mudguard or spray bar platform according to truck dimensions for manual spraying operations.



Ultrasonic Radar Speed Sensor

Ultrasonic Radar Speed Sensor allows the adjustment of the spraying rate according to the vehicle speed.



Generator (220V)

Used to operate the thermal oil heater and the thermal oil pump, therefore the launch of the truck engine is not necessary.

Turkey sprayFALT



It has proven itself with many advantages and production flexibility that it provides to users. With automatic spraying, it sprays the optimum amount of material and also saves heating costs thanks to its insulated body.

Ukraine sprayFALT



sprayFALT has become very well known in the Ukrainian market in recent years thanks to its reliability, low-cost operation and our after-sales services. With its ease of use and adaptivity to weather conditions, it became the first choice of local contractors.

Azerbaijan sprayFALT



sprayFALT has been used by road maintenance and repair companies for many years in Azerbaijan, where our products are widely presented. Quality of our products that has proven itself in local projects also increases the demand for our products.

Afghanistan sprayFALT



sprayFALT has proven itself as the reliable partner even in the most harsh environments like Afghanistan without any decrease in capacity and functionality. We are proud to participate in the improving of Afghanistan infrastructure.

Kuwait sprayFALT



Gulf countries have made tremendous investments in infrastructure projects in recent years, and the demand for sprayFALT in this region is high, especially in Kuwait; where sprayFALT has proven itself as a reliable partner, that works perfectly even in such harsh climate.

Singapore sprayFALT



Despite its remote location, we managed to successfully ship and start-up the sprayFALT Bitumen Sprayer in Singapore for the needs of the local customer in its towable configuration on autonomous chassis for even more flexibility.



MARINI MAKİNA A.Ş.



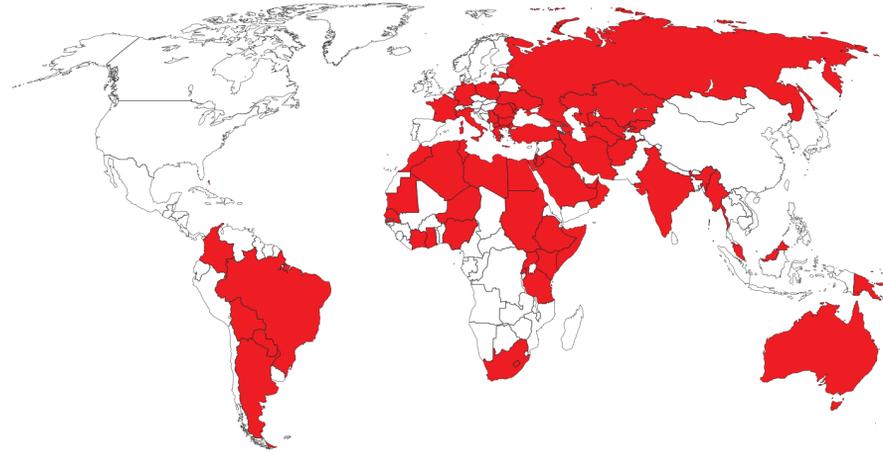
Our company was founded under the name of "TEKFALT" in January 2009 in order to provide road construction machinery design, production, consultancy, after-sales support, and spare part services. In a short time, it has become well known in both domestic and foreign markets thanks to our entrepreneurial and experienced team.

After very successful initiation years, TEKFALT has become partners with Marini S.p.A. and joined FAYAT GROUP family. Therefore, the name of the company changed to MARINI MAKİNA A.Ş. This successful cooperation that we gained constitutes the basis for our robust organizational structure and sustainable growth while we take stronger and more confident steps in the global market by increasing production diversity and quality.

The name of TEKFALT, however, is protected as a brand of MARINI MAKİNA A.Ş. and the products of this group continue to be produced with high quality and reasonable cost.

TEKFALT

IS A BRAND OF MARINI MAKİNA A.Ş.



TEKFALT Export Network

5 Continents
68 Countries
More than 1500 Products

TEKFALT

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sprayFALT

Bitumen Sprayer Tanker



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sprayFALT

Bitumen Sprayer Tanker

Easy Transportation of sprayFALT



Transportation via 40'OT Container



Transportation via standart trailer



Mounted on the truck chassis

While providing safe, rapid and high heating performance with an integrated thermal oil heater, TEKFALT sprayFALT Sprayer Tanker guarantees precise, safe and easy spraying applications of all types of bitumen and bitumen emulsions. Thermal oil circulation in the system eliminates the necessity of cleaning the system, prevents clogging and freezing of materials in spray bars, bitumen pumps, valves and piping system.

- ▲ Bitumen / Bitumen emulsion tank capacity is flexible depending on vehicle dimensions or project requirements.
- ▲ Long lasting, trouble-free usage period with an integrated high quality thermal oil heater, bitumen pump, valves and equipment.
- ▲ Capacity adjustable bitumen pump, driven by the hydraulic motor that coupled with a variable displacement hydraulic pump connected to vehicle PTO.
- ▲ Bitumen / Bitumen emulsion emulsion loading, cleaning, circulation and discharging modes are controlled single bitumen pump.
- ▲ Foldable and height adjustable spray bar, completely heated via thermal oil circulation system with specially designed spraying nozzles ensures accurate, sensitive and homogeneous spraying.
- ▲ Fully automatic dosing system adjusts the required amount sprayed from 150g/m² to 4kg/m² (grams and kilograms per square meter) independent from the truck speed and spraying width
- ▲ 7" LCD display control unit in the drivers cabin allows control and setting of the operational parameters and real-time tracking of the vehicle speed, pump flow rate and amount of sprayed bitumen with easy adjustment thanks to the user-friendly interface.
- ▲ Optional ; High-perssure diesel burners in the range of 14-26 kg/h.
- ▲ Optional; External diesel engine for vehicles without PTO.