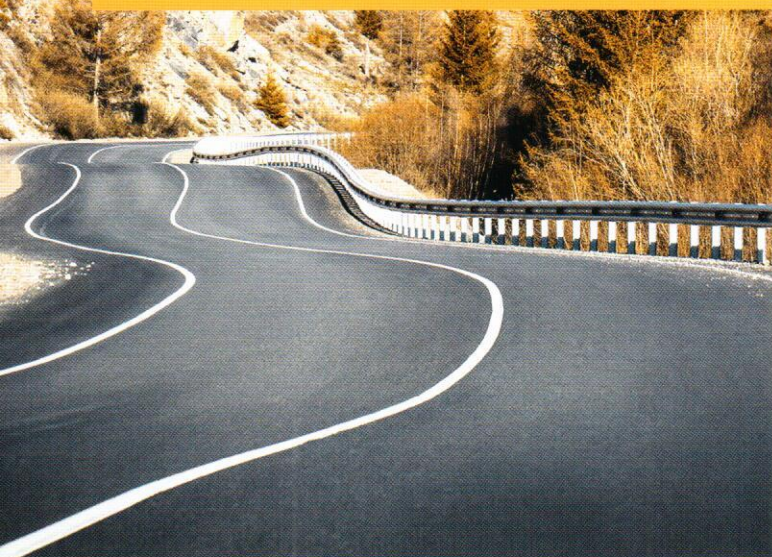


We offer you the **road dryer Torgos**, which is used for drying and cleaning road surface before road marking.



Technical data

Engine:	turbine ZIUTA MK ² 50 kW
Air quantity:	80 m ³ /min
Air temperature:	600 °C
Drying speed:	1,5 km/h – 2,5 km/h
Width of drying:	30 cm
Fuel:	Diesel
Max. fuel consumption:	27 l/h
Weigh:	110 kg with full tank

- **Controller ECU with GSM and GPS system**, so the machine automatically connect with the service point and sends data to the cloud. Data include location, error codes, working hours, sensors indications.
- **All data are analyzed in the cloud to prevent possible breakdown of the machine.** All the data are available for the owner of machine and service point.
- **The serviceman** can remote connect with the machine and make settings on the machine directly from his office
- **The sensors of fuel tank and battery** charge inform the operator when the machine needs refueling / charging.
- One fuel tank is enough for about 1 hour.

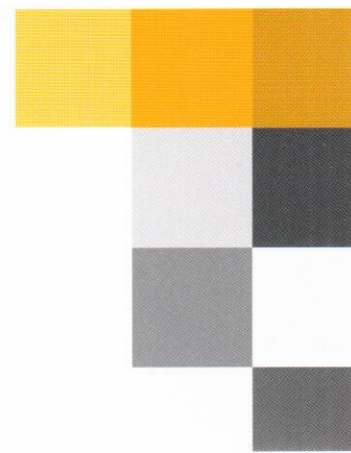
Application

The Torgos dryer is extremely useful when you have to do your road marking job, but the road surface is too wet for marking. The road dryer will precisely dry and clean the road surface. The road surface will be perfectly prepared for road marking. The Torgos dryer is also perfect for cleaning the road surface from mud, sand and dirt. You can now mark the cleaned road. With the hot air produced by Torgos machine you can easily remove from the road the temporary tape markings. With the additional salt removing system, you can not only dry the road, but also remove the salt left after winter maintenance. The dryer becomes your best help mate when you have to make the road marking in the winter. Our customer use the dryers also to clean the cracks or the dilatation slots.

Advantages

The biggest advantage of Torgos dryer is the high efficiency. It is incomparable with any other gas drying machine. It dries and cleans the surface very precisely, it does not cause the capillary pull up effect. It is typical effect after drying the surface with gas dryer, the water is pulled up from the deeper layers of road to the surface. Torgos dryer never causes the capillary pull up effect and the surface is dry with just a single pass.

Using the Torgos dryer you do not need the gas bottlers used to different types of dryers. Gas bottles are heavy and difficult to manage, additionally they are dangerous in transport and use. The gas bottles for gas dryers make the costs of using such dryers much higher. All Torgos dryers work with Diesel fuel, which is easy to buy, transport and handle and it is very safe to use.





How it works

The dryer Torgos uses huge quantities of hot air under high pressure. The dryer produces 80 m³ of hot air per minute. It's the same quantity of air which contain a room 16 m²! The air is very hot, it's even 600 °C, but it's flowing very fast so the road surface is warmed only to 40-50 °C. Because of the huge amount of air, Torgos dryer cleans the surface so well. The efficiency of drying is very high, incomparable with other dryers on the market.

Turbine

This huge hot blast is produced by the turbine engine. It is a mini version of jet engine used in aviation. The turbine engine works with speed of 80 000 rpm. This is more than 1000 rotations per second ! To ensure the durability and quality of engine, we manufacture it by ourselves. To produce the turbine we use special materials like Inconel (used in aviation and cosmonautics), that's why the turbine is very durable in spite of high temperatures and rotations.

GPS and GSM

Very high temperatures and rotations means that the dryer is very sensitive machine. That's why we use a lot of monitoring systems on the machine. Key information are send to the machine operator and cloud service point through GSM system. In this way if any problem appear the operator and service know it immediately. Service point can even predict breakdown before it actually happens. The software includes an intelligent self-learning system which monitors the work of bearings. The system can predict the breakdown of bearings before it happen.

Second of the system, the GPS tracks the location of machine and send the data in the cloud to the web system.

Web system Troad.info

It is dedicated Web portal for users of Torgos road dryer machines. Through this page an owner can track the location of his machine, quantity of worked hours, any errors on machine, service history and other data. The serviceman can also check the operation of machines, inspect for any errors or even to repair the machine through Internet.

Salt removing system

It is just a tank with water and a special nozzle in the flow of air. The air is sucking the water and direct it to the road surface. Next the water with salt is removed from the surface, leaving it dry, clean and free of salt.

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