

Fluid management
Mixing system MS 1200

Swiss made





COMPACT DESIGN

The **MS 1200** has a very compact design. It can be installed easily on a truck without taking too much space. The mixing station can be lifted with a fork lift or with a crane or excavator at the four lifting eyes. If lifted, the tank must always be empty.



MIXING AND FEEDING PUMP

The **MS 1200** has a mixing and feeding pump. The exit of the mixing station has a Storz coupling KA 66 mm for a firehose. This firehose to the TERRA-JET can be up to 60 m long.

HIGH SPEED INJECTOR

The high speed injector is equipped with a big funnel for 25 kg of bentonite. Next to it is a cleaning pipe with hose. It cleans the injector if it gets stuck.

MS 1200 - Higher performance and faster yield times

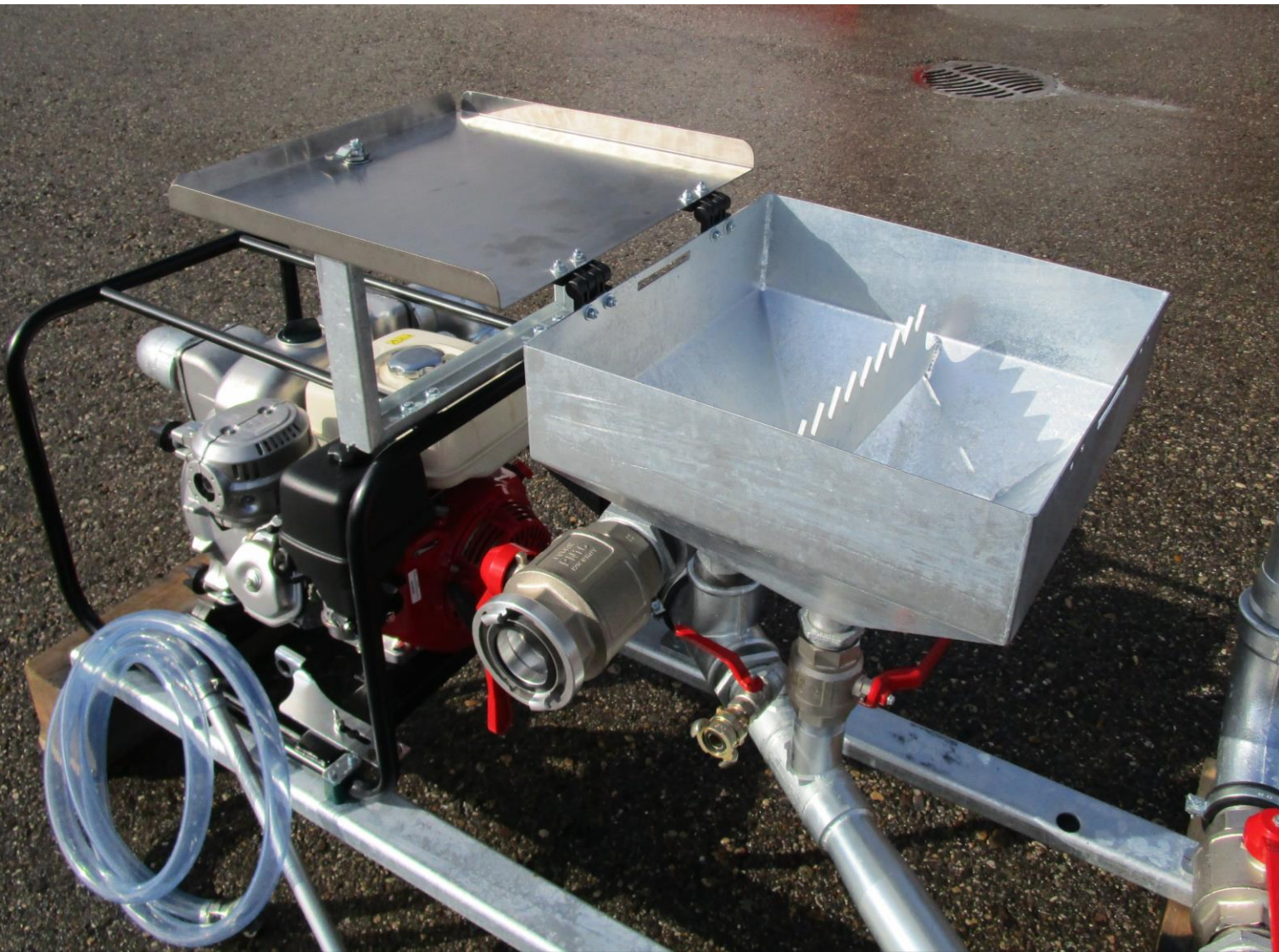
With our innovative **MS 1200** fluid mixing system TERRA has set the standards for efficiency in the horizontal directional drilling industry. It was designed to provide highest performance and efficiency at low costs. Powered by a proven HONDA mixing pump it offers up to 1200 ltr/min of drilling fluid. The **MS 1200** supports horizontal directional drilling systems of all sizes.

4.000 OR 2x 4.000 LTR TANK WITH BOTTOM FLUSHING

The **MS 1200** is equipped with two 4.000 ltr tanks for maximum fluid capacity. Both tanks have integrated a special bottom flushing system. It prevents that the bentonite settles down at the bottom. It is fed from the top and can be opened with a user friendly regulation valve.

FUNNEL WITH UNDERPRESSURE (VENTURI SYSTEM)

The big funnel with cutting knife makes your HDD live easier on the jobsite. The cutting knife in the funnel opens the bentonite bags. A 25 kg bag of bentonite can be placed besides the funnel. Due to the venturi pipe there is an underpressure in the whole system. The bentonite is sucked into the mixing unit which provides a reliable mixing.



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Technical Specifications

	METRIC	IMPERIAL (U.S.)
Power, mixing pump	8.3 HP (6.3 kW)	8.3 HP (6.3 kW)
Power, feeding pump	5.3 HP (4.0 kW)	5.3 HP (4.0 kW)
Fuel	Petrol	Petrol
Pump discharge rate	1200 ltr/min	320 gpm
Flow rate to boring unit	700 ltr/min	185 gpm
Distance to boring unit	60 m	200 ft
Fluid pressure	25 m (2.5 bar)	360 psi
Rypical tank mixing time	7 – 10 min	7 – 10 min
Mixing hopper capacity	25 kg	55 lbs
Drilling fluid tank capacity	4.000 / 2x 4.000 ltr	1.050 / 2x 1.050 gal
Dimensions with one tank L x W x H	2.460 x 1.900 x 2.050 mm	97 x 75 x 80 in
Dimensions with two tanks L x W x H	2.460 x 3.000 x 2.050 mm	97 x 120 x 80 in
Weight with one tank (empty)	720 kg	1.590 lbs
Weight with one tanks (full)	4.720 kg	10.400 lbs
Weight with two tank (empty)	1.240 kg	2.730 lbs
Weight with two tanks (full)	9.240 kg	20.400 lbs

* All data depending on ground conditions. Technical Data may change without prior notice.

TERRA – always one drill ahead!



PREMIUM DRILLING TOOLS

High quality drilling tools and reamers are available for all ground conditions. They are designed and produced inhouse at TERRA to maintain peak performance.



DCI LOCATING EQUIPMENT

TERRA is an official dealer of DCI. With the new Falcon system even challenging ground conditions with high interferences can be successfully done.



MIXING SYSTEMS

The mixing systems from TERRA allow a fast and efficient mixing of the drilling volume. They are quiet, easy to handle and offer a high capacity of your drilling volume.



CUSTOMER SERVICE

Satisfied clients worldwide and a great customer service are the result of our constant progress. The TERRA-JET Directional Drill is a must have for every contractor!