

TERRALAVAR®-MOBILE



Mobile TERRALAVAR - soil cleaning plant

Use of mobile treatment units on hazardous waste sites

Process description:

The use of mobile technologies provides a very economical instrument for the speedy handling of environmental problems at hazardous waste sites, when the excavated soil or building debris from the remediation can be processed in a washing plant so that refilling on-site is possible. In this case the economic efficiency of on-site soil cleansing is determined not only by the savings from the transport of the polluted soil to a stationary waste disposal plant but also by the savings for purchasing filling soil - which is produced by the mobile unit. Apart from its stationary centers for the treatment of polluted soil in Germany and Brazil with various treatment technologies, the ZECH UMWELT Group also has a number of very flexible mobile soil cleansing technologies that have already proven their worth in various large projects at home and abroad with their modular mobile technology.

Basic technical data of the mobile TERRALAVAR®- soil cleansing plants:

Capacity:	20-50 t/h
Erection area:	1.500 m ²
Handling area:	1.000 m ²
Power supply:	400 KVA or diesel unit
Water/industrial effluent:	circulating waterflow
Products:	filling sand, gravel
concentrates:	clay dry sludge
Erection time:	2 to 6 weeks
Manpower requirements:	2 employees/shift plus wheeled loaders with man

ADVANTAGES OF THE MOBILE TERRALAVAR®-UNITS

Flexibility: The modular design allows you to optimise the project-specific technology to the soil composition and pollutant problems in a very short space of time according to the principle 'as little technique as possible, but as much as necessary'.

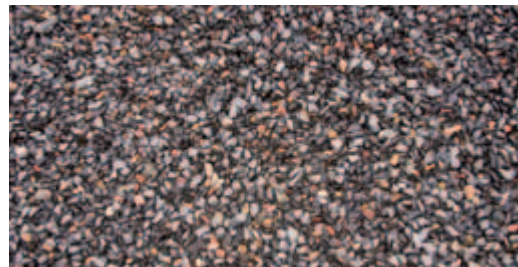
Made-to-measure solutions: Laboratory tests carried out beforehand, if necessary even a pilot plant test in one of the stationary plants of the ZECH UMWELT Group, and the many years of experience of our employees enable exact predictions of the course of remediation, a bespoke design of the necessary plant technology and a favourable calculation.

High throughputs: Throughputs from 20 to over 50 t/h can be achieved with the mobile soil cleansing system. These high throughputs guarantee a speedy procedure on the construction site.

Wide range of pollutants: In addition to organic pollutants such as mineral oils (MOH, BTEX), creosote (PAH) and halogenated hydrocarbons (CHC,VHH), heavy metals, usually from soil grains, can also be separated. The use of mobile technology should always be checked as an environmental alternative to external disposal before an invitation for tenders, especially in the case of larger hazardous waste remediation projects.



Coarse gravel



Fine gravel



Sand

