



Mobile Slag Processing



Hans Zöchling GmbH - Mobile Slag Processing

Proven expertise and innovative technology

Waste is an important source of raw materials and the recycling of raw materials, especially of metals, is already an absolute necessity, not only due to the economic aspects, but also due to the positive impact on the environment. Through processing, considerable revenues from the recovery of metals can be obtained, and enormous amounts of energy and CO2 emissions can be saved.



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For years, residues from waste incineration plants have been put in landfills without prior treatment. Since these residues contain significant amounts of ferrous and nonferrous metals, however, it is of great economic and ecological importance to process those slags. The recovered raw materials can then be reintroduced into the economic cycle through the scrap trade.

Furthermore, we have a legal obligation based on the current Austrian legislation to treat the slags prior to landfilling. There is no precise definition as to how this treatment has to be done. The goal of every treatment, however, must be the minimization of residual metal content of the slag and thus the recovery of a maximum of metals. This is also the demand that we place on our plant and our staff.

We as Hans Zöchling GmbH deal with the recycling of raw materials already since 1989. Starting with the processing of asphalt and concrete, we also use the experience gained in recent years at our disposal site in Mistelbach to recycle and recover metals from waste incineration residues using the latest technology.

Since early 2012, we also offer this service to other landfill operators, waste incineration plants and waste management companies, directly on their location. In collaboration with leading companies in the field of processing technology, we have developed a mobile slag processing plant, with which ferrous and

non-ferrous metals can be efficiently recovered.

With the help of crushing, screening and magnet and non-iron separators, we can recover iron scrap, as well as aluminum, copper, brass and other valuable metals in multiple process levels.

In our plant we can process up to 1200 tons of slag per day, depending on the condition of the material. The amount of recovered metal can vary widely and depends on the composition of the incineration residues. According to our past experience the metal portion lies within a range of about 5 - 10%.

Due to rising prices for raw materials, the processing of slags is an absolute necessity from the economic point of view alone. In addition to the revenues from the recovery of the metal, valuable landfill space is conserved. The costs for processing are usually much lower than the sum of metal revenues and cost savings for landfilling, justifying treatment for financial reasons alone.

Another important reason for the use of our mobile slag processing plant is the ecological importance of metal recycling. In comparison to primary production up to 95% of energy and 85% of CO₂ emissions can be saved through recovery depending on the type of metal. This conserves our natural resources and generates a positive effect on our climate.

