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N E W S L E T T E R

Unfailing Strength. - The ST01BB Jaw Crusher in operation with scoria slag.

In the middle of January, our new Jaw cruher ST01BB started operation on a landfill for scoria slag in the Czech republic. This opportunity was used for several runs and functioning demonstrations.

The jaw crusher - especially developed and designed for the most difficult material - exceeded the expectations of the whole team and the invited business partners.

Instead of a costly pre-grinding with excavators or hydraulic hammers and a manual classification of the material, the slag can be processed directly when using our crushing system.

The constant increase in raw material prices and landfilling costs raises the interest in the recovery of contained metal and focuses attention on slag recycling in an ecological and economic sound manner. However, especially the treatment of scoria slag poses a challenge, due to the particular requirements. Not every plant on the market can fulfill them.
The slag contains non-crushable materials like iron, steel or further sorts of metal, which can cause serious damage to the crusher chamber of conventional crushing plants.
Therefore recycling in an economic sound manner is mostly impossible. This results in a failure of a multitude of projects on the basis of the high costs for the treatment of the material. The currently done pre-sorting of material requires high personnel as well as machinery expenses. Due to this costs, many projects do not pay off, and material still including scrap continues to be dumped in landfills as in the past.

Advantages ST01BB: hydraulic Jaw crusher

The hydraulic Jaw crusher automatically opens the chamber when trying to crush non-crushable material. As soon as the non-crushable material leaves the chamber, the closing-process to the pre-set position starts within seconds. Even iron-inlays up to an edge-length of 600 mm cause no troubles to the jaw crusher. This system allows a significant reduction of costs in slag-recycling.

SLAG IS NOT SLAG.

Varying steel production processes result in a diversity of slags that differ in structure, strength and content.
All operators of landfills seem to have the same question: *"Is it profitable to recycle my material?"*
For this purpose we will spend the coming few months, visiting one landfill after another with our mobile plant. Only a trial-operation with the own material can bring information about profitability of the recycling process. This is the only way to get results about possible performance, actual costs per produced m³ and the value of the final material.

Contact our team and arrange a trial operation for your landfill!

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