



RECYCLING | MDS M412 IN SOIL SEGREGATION

A customer in the United Kingdom faced a unique challenge on their large site filled with landfill. The site contained a substantial amount of usable rubble trapped within clay, making it difficult to efficiently screen the material straight from the pile.

The M412, equipped with its robust features and advanced technology, successfully addressed the challenges at hand. Its primary function was the removal of the minus 75mm (3") clay, allowing the clean rubble to be efficiently directed into the crusher. The chassis riser option further facilitated ease of movement around the site, adapting to the dynamic nature of the terrain.

Challenge

The site contained a substantial amount of usable rubble trapped within clay, making it difficult to efficiently screen the material straight from the pile. The sticky nature of the material not only caused the crusher to slip but also led to frequent blockages in traditional screeners.



M412 Heavy Duty Trommel Solution

In collaboration with our trusted dealer, the decision was made to introduce the MDS M412 to carry out primary processing. The goal was to overcome the challenges posed by the clay-bound rubble, enabling the extraction of usable material while maximizing operational efficiency.

Job Requirements

- Remove the sticky fines material to leave a clean oversize to be fed to a crusher
- Keep the trommel openings clear for all-year round processing



The M412 Track Trommel is ideal for screening from light material to recycling heavy demolition waste. This machine can also operate in the quarry, cleaning dirty material up to 600mm (24") in height. It comes complete with the fold out stockpiling conveyors and ideal for moving around the quarry and from one site to the next.



Location: UK

Machine: MDS M412 WITH CHASSIS RISER

Application: SOIL SEGREGATION

Throughput: 250-300 TPH, 7 L/hr

Machine Specs:

- Diesel CAT 2.2 Tier 4 Stage 5
- Fines 75mm (3") fully welded with Drum Cleaner Attachment
- Chassis Riser Option





Key Benefits:

- 1. Efficient Clay Removal:** The M412 effectively removed the problematic minus 75mm (3") clay, eliminating the slipping issues faced by the crusher during processing.
- 2. Continuous Material Flow:** By seamlessly segregating and directing clean rubble into the crusher, the M412 ensured a consistent and uninterrupted material flow, enhancing overall throughput.
- 3. Reduced Screen Blockages:** The drum cleaner attachment proved instrumental in preventing screen blockages caused by the sticky nature of the material, minimizing downtime and increasing operational efficiency.

Conclusion:

The MDS M412, not only addressed the immediate challenges of clay-bound rubble but also unlocked hidden value within the landfill material. The machine's adaptability, coupled with its robust features, showcased its capability to tackle complex soil segregation tasks easily. This successful collaboration highlights the versatility and efficiency of MDS trommels in diverse applications, reaffirming our commitment to delivering cutting-edge solutions for our customers' unique needs.