

Gritbuster RORO System



Specifications

Weight : 2000kg
Length : 6m
Width : 2.4m
Height : 1.5m
Power : 5kW

Water usage : No Clean water required. (Wassertreatment for waste water optional)

Throughput : up to 15tph (average 10-15tph gully waste / sweepings)

Loading : Direct tip with optional ramps or aggregate ramp (pictured)

Recovered products : Dewatered product of rapidly separating solids

<1mm dirty water -
(Can be treated for discharge to sewer)

Brief overview

- The Gritbuster RORO system is a simple 2 unit system designed to separate the solid and liquid fractions collected by sweepers on construction sites.
- On arrival at the plant, the vehicle would reverse and discharge directly into the first RORO skip which acts as a reception hopper
- Coarse particles which rapidly settle to the bottom of the skip and any large items (e.g. litter and detritus) would be retained for subsequent disposal
- A manually activated pump mounted in the first RORO skip transfers fine solids/silt laden water, via a chemical dosing system, into specialist sacrificial dewatering bags stored a second RORO skip)
- Inside the dewatering bag, flocculated solids rapidly settle and the supernatant water is passed through the fabric for discharge to foul sewer or reused as grey water
- When full, the RORO skips are emptied on site via excavator or grab lorry and the waste is disposed of offsite
- The advantages of the process include
 - Reduced cost of transporting waste
 - Sweeper efficiency greatly increased

