

SEWAGE SLUDGE / BIOSOLIDS



*Two 3518 (20
tpd) –
Rochester UK*



*Single 3518 (10
tpd) – Grabouw,
South Africa*

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Sewage Sludge and Grit and Screenings

Typical Applications

Dewatered sewage sludge (biosolids), or sewage grit and screenings, combined with wood chips or bark. Smaller HotRot 1811 units can cater for small WWTP catering for as few as 10,000 but it is important that biosolids are dewatered as much as possible (extremely wet sludge will require unsustainable quantities of bulker). Larger systems utilising 6 to 8 HotRot 3518s can process waste from WWTP serving approx. 300,000 people.

General Operation

Dewatered sludge or grit and screenings may be added direct to the composting unit or via a feed hopper to ensure even feeding over 24-hours, 7-days per week. Bulker is added via a feed hopper to balance waste addition.

A consistent supply of bulker (woody garden waste, wood chips, or bark etc.) is required throughout the year. Shredding systems for bulker, and screens for the product can all form part of a complete package. Composted material should normally be matured for at least 10 days on- or off-site, depending on space. Compost produced from grit and screenings must be screened prior to use to remove any contaminants.

Space requirements

The HotRot system itself is extremely compact, and units can be installed outdoors, with systems installed in situations as diverse as Canada and the Middle East. Conversely, units can also be installed inside buildings or under a simple roofed area.

Each system can be designed to fit your site and how you want to operate.

Supply and Installation

Global Composting Solutions provides installation, commissioning, and training globally and will work with you to ensure this is done as efficiently as possible.

Odour Control

Each HotRot unit is supplied with an integrated biofilter for odour control. The HotRot units are supplied with an Odour-free Guarantee¹

On-going Support

With provision for remote monitoring, Global Composting Systems can provide on-going international support and, where necessary, send engineers to site to assist with repairs and maintenance.

¹ Systems must be installed and operated according to our specifications. Odour-free Guarantee does not extend to other on-site operations, including product maturation.