



# Greenbank Waste Management for Councils

Helping You Increase Your ROI through efficient waste management



**Polystyrene isn't the easiest type of waste to recycle. However, it's a common type of packaging and is widely used across different industries. This means a lot of it simply gets thrown away. Around 10,000 tonnes each year to be precise.**

So, what can you do to deal with the problem?

Here at Greenbank Recycling Solutions, we're passionate about providing solutions to help councils recycle their waste better, become more environmentally friendly and build a better public image.

With years of experience under our belt, we've become experts in supporting councils like yours deal with polystyrene and general waste and [reap the benefits of recycling it properly](#). All of this is made possible from our range of polystyrene and general waste machinery.

This brochure will provide insight into our different waste solutions, including our polystyrene compactor and portable compactor ranges. We've also highlighted the benefits each of our waste machines offer to help you establish the right one for you.

That's not all. You'll also find a case study where a council has used our solutions to recycle their polystyrene to reduce the impact on our environment. Let's get to it.



# Our Polystyrene Compactor Range

[There are many misconceptions regarding recycling polystyrene.](#) Many councils don't actually know that it's a recyclable material. Hence why so much of it gets thrown away and taken to landfill each year.

However, polystyrene compactors make it possible to recycle this material so councils can reduce their carbon footprint. It can also create new revenue streams so you can reinvest your profits into creating better services for citizens.

We have a range of polystyrene compactors here at Greenbank. Although they're all different in size and capability, they'll help you achieve the same goal — recycling your polystyrene efficiently and effectively.

All of our polystyrene compactors are extremely safe for operators to use too. They all come supplied within a container to avoid any injuries taking place when people are putting polystyrene inside them.

The public can easily put their polystyrene waste into the compactor through a hatch and then an operator can efficiently enter the container and begin processing the polystyrene during the working day.

Here's a breakdown of our different polystyrene compactors and insight into how each of them can impact your waste operation:

## SC1100 Polystyrene Compactor

This low-maintenance machine is robust, highly versatile and can work with both dry and wet polystyrene. It's also capable of reaching high levels of compaction. If your council deals with medium levels of polystyrene, it could be right for you.



The SC1100 is also straightforward to use. This means anyone in your council can quickly pick up how to use it. Our friendly engineer will give you a full demonstration of how to use it when they install it at your site to ensure your full team can operate it without issues.

Although it can deal with high volumes of waste, it's the smallest in our product range. Therefore, it's great for councils looking for a solution that can fit within the space available on their site.

- Average compaction ratio of up to 30:1
- Simple automated operation
- Easy to use touchscreen controls
- Continuous throughput

## Product Specification

Throughput (kg per hour)	Up to 30kg per hour
Overall width (mm)	2966
Overall depth (mm)	595
Hopper width (mm)	730
Hopper depth (mm)	434
Loading height (mm)	1609
Overall height (mm)	1609
Machine weight (mm)	300
Block size (mm)	150 x 150
Block length (mm)	Variable
Motor (kw)	2.2
Power requirements	2.2kw/1 phase/16amp



**[Check out this video](#) to learn more about this machine and see how it works in practice.**

# SC2100 EPS Polystyrene Compactor

The Cobalt SC2100 Compactor compacts large throughputs of material and can handle up to 80kg of EPS per hour. This means your council can compact large quantities at speed to find new sources of revenue quickly.



This model also benefits from a remote monitoring system. Machine settings can be monitored and adjusted from any location at any time of day. This is a huge benefit as it'll allow your council to reduce downtime and save money on labour costs.

You can also track the number of blocks produced, which will aid you in better decision-making. If the machine isn't helping you meet your goals, you can tweak the settings to see improvements quickly.

- Remote monitoring system as standard
- Open hopper design
- Up to 50:1 compaction ratio

## Product Specification

Pre-shredder motor (kw)	1.5
Main motor (kw)	7.5
Amps	32
Electrical supply (vault)	3 x 415
Depth (mm)	1000
Length (mm)	3620
Height (mm)	2102
Loading height (mm)	1721
Loading width (mm)	830
Machine weight (kg)	800
Throughput/EPS (kg/h)	80



[Check out this video](#) to see the SC2100 in action.

## SC3100 Polystyrene Compactor

The largest polystyrene compactor in our range, [the SC3100](#), can handle up to 220kg of EPS per hour, which is realistically as fast as an operator can load it. This machine is by far one of the fastest performing compacting machines on the market and is ideal for councils dealing with extensive amounts of polystyrene.



Easy to handle with a volume reduction of up to 50:1, the SC3100 will deal with all of your polystyrene so your team can spend their time focusing on more critical tasks. This results in you having a more motivated workforce focused on taking your council to the next level.

Similar to the SC2100, this compactor also has a remote monitoring system as standard. Manage it from anywhere, track its performance and ensure it's providing optimum value and contributing to hitting all of your sustainability goals.

- Standard hopper which enables the machine to take slabs of 1250mm wide
- Up to 50:1 compaction ratio
- Compacts polystyrene at a rate of up to 200kg per hour

## Product Specification

<b>Throughput (kg per hour)</b>	Up to 200kg depending on material
<b>Overall width (mm)</b>	5040
<b>Overall depth (mm)</b>	1650
<b>Hopper width (mm)</b>	1250
<b>Hopper depth (mm)</b>	1582
<b>Loading height (mm)</b>	1874
<b>Overall height (mm)</b>	2430
<b>Machine weight (mm)</b>	2000
<b>Block size (mm)</b>	370 x 370
<b>Block length (mm)</b>	Variable
<b>Motor (kw)</b>	17
<b>Power requirements</b>	45amp DOL motor rated fuse



[Check out this video](#) to learn more about the SC2100.



# Our Portable Compactor Range

[We also have a range of portable compactors](#) designed to compact general waste. Some of these materials include pallets and substantial garden waste.

Portable compactors can achieve up to 90% reduction in the size of waste. They're also an effective way to reduce labour costs and traffic on your premises.

Greenbank currently offers a range of portable compactors which can compact general waste. [The Wolfpak is designed to work well with council sites.](#)

**“We are very happy with the machine – we have named it the “Hulk” because it just handles everything! Our cycle time has been significantly reduced from 3 minutes with the current equipment to 39 seconds, the WolfPak just eats the waste. We have to operate the other units on numerous cycles to clear bulk waste when this “hulk” unit takes it in one cycle”**

**Chris Tomlinson,**  
Group Asset Manager at Yorwaste Selby



## Wolfpak WP30 Compactor

Easy to handle and capable of compacting large amounts of general waste, [the Wolfpak WP30](#) has a standard loading height of 1.4m. The compactor is a mobile unit perfect for councils that wish to load their waste at ground level.

It also comes equipped with a hydraulic tilting roof, ensuring it's always easy to empty. This machine is large in size, so it's ideal for councils operating with lots of space and have plans to recycle high volumes of general waste.

- Guaranteed powerful performance
- Elegant in design with a strong construction
- Equipped with a mobile safety cage

## Product Specification

<b>Container capacity</b>	30
<b>Length (mm)</b>	6400
<b>Depth (mm)</b>	2500
<b>Height (mm)</b>	2600
<b>Dimension A (mm)</b>	1150
<b>Food opening (mm)</b>	2200 x 2200
<b>Feed volume max (m)</b>	4.0
<b>Pressing force (kn)</b>	500
<b>Cycle time (s)</b>	60
<b>Machine weight (kg)</b>	6200
<b>Engine power (kW)</b>	5.5
<b>Power rating</b>	5.5



[Check out this video](#) to find out more about the Wolfpak WP30.

# North London Waste Authority Use Case



A new initiative was rolled out recently by the North London Waste Authority (NLWA) to start collecting and recycling polystyrene across their constituency. To do their bit and fight climate change, they turned to Greenbank to trial out a range of our waste machinery to start reducing running costs and carbon emissions.

The initiative was trialled across eight of their reuse and recycling centres across London with an eventual plan to get two new compactors permanently fitted at two of their main sites.

Although NLWA recycled over 20 different waste streams, polystyrene wasn't something they had included as part of their operation. By working closely with our team of experts, we created a plan so North London residents could bring their unwanted polystyrene to one of the sites.

Then, using our machinery to recycle the polystyrene, NLWA could offset it and turn it into insulation panels for the housing and construction industry.

Here's what Chair of NLWA, Councillor Clyde Loakes, had to say about the project:

**"We are delighted to be able to add expanded polystyrene to the extensive range of recycling services in north London. While it's essential that more is done to prevent waste in the first place, there remains an important role for recycling. NLWA and its partners continue to seek opportunities to manage resources in a more circular way and extract maximum value out of all the materials we receive.**

**"In our fight to tackle the Climate Emergency, we all have a part to play. We call on residents to make full use of the recycling services available to them, both at home and through local collection points."**

We're incredibly proud of the success of this project. Not only have we contributed to positive environmental change, but it's also helped raise awareness about wasting polystyrene and ensured an established council can meet their waste goals.

However, this is only the beginning. We're on a mission to support organisations like NLWA so that many more can enjoy the benefits of recycling polystyrene. Are you ready to get started?

# Would Your Council Like to Trial Our Waste Machinery?

If your council deals with large amounts of polystyrene and wants to become more eco-friendly, we'd love to help you get started. By working with us, our team will become an extension of your team so you can quickly begin to meet your goals.

Our friendly team would book a consultation at a time and date that works best for you to get the ball rolling. Here, we'll get to know more about your organisation, how you're currently dealing with your waste and what you'd like to achieve in the future.

Once that's done, we'd then arrange a waste audit. This will allow our experienced technical advisors to visit your site and gather information on your waste streams, existing machinery and labour requirements.

We'll then have a clear picture of your organisation's needs and build a tailored solution that's just right for you. If this is something you're interested in, all you need to do is reach out via the link below and we'll be sure to get in touch.

[CONTACT US](#)