Volume reduction strategy reaps cost, space and environmental savings



Sanoh UK Manufacturing's new shredding technology will pay for itself in less than 18 months, due to the cost savings it will achieve for the wider business.

Overview

Company: Sanoh UK Manufacturing
Shredder: UNTHA RS40
Input Material: Metals
Output / Goal: Volume reduction

Automotive specialist Sanoh invested in an UNTHA RS40 shredder to tackle the surplus metal it generates during the production of brake and fuel pipes for the automotive industry. These component parts must be formed into specific shapes to suit the ergonomics of different vehicles, which naturally creates extremely obscure 'offcuts'.

With the metal collected in skips for off-site recycling – at a cost of £120 per week – this practice already ensured a robust environmental approach for Sanoh. But the diverse profile of the 'waste' meant that a large proportion of the skips were simply filled with fresh air.

By shredding the material to a <40mm particle size, Sanoh can now load each skip with approximately 5 times more material, which will reap rapid cost savings.

Achieving throughputs of up to 500kg, the flexible RS40 is also capable of shredding wooden pallets and crates that can similarly be volume-reduced to magnify the fiscal benefits of the investment.

The machine can even be reconfigured to tackle plastic waste too, which all adds up to space-saving advantages across the site.

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UNTHA
shredding technology





Library image.

The installation of the four shaft RS40 shredder follows a research process which began online. The deciding factor in opting for this machine was a successful trial using Sanoh's own material, at UNTHA UK's North Yorkshire shredder test centre.

Features of the UNTHA RS40 include:

- Highly configurable main and secondary cutters that shred and re-shred in a single pass for a precise, homogenous output.
- Hundreds of cutter and screen configurations available to suit the exact application, with particle sizing of 15-100mm available.
- A robust, functional and dependable shred with foreign object protection to prevent damage and operational disruption from unshreddables.
- Throughputs of up to 20tph (depending on the application) thanks to a large screen area and consistent uptime.
- Hard-wearing technology engineered with uptime in mind, e.g. maintenance-free mechanical seals, quick change cutter systems and low wear parts. All lead to long service intervals and easy maintenance regimes.
- Low speed, high torque shredding technology that copes with complex, high volume, bulky or tough recycling applications effortlessly.
- Multiple safety features for a robust shred and operator wellbeing, including low noise and dust.

"We have long had a strong environmental conscience so, unlike some organisations, we didn't decide to invest in the equipment to make us more 'green'. Instead we sought a smarter way to handle and store our waste, to ensure a tidier site plus more money on our bottom line. That's before we've factored in any potential revenue yield from the sale of the recyclates we've homogenously shredded.

The business case for reducing the volume of waste is strong. I'm glad we now have this highly-configurable machinery in place."

Barry Channon, Sanoh UK Manufacturing's Purchasing and Materials Manager

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