

TRIPLING ALTERNATIVE FUEL PRODUCTION WITH THE UNTHA XR3000C

Service Waste, Texas USA

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The new XR has allowed us to triple our throughput while cutting our manpower needs in half, enabling us to meet increasing customer demand efficiently and sustainably.

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» MATERIAL
Commercial, industrial,
and pallet waste

» SHREDDER
XR3000C

» THROUGHPUT
Up to 1,440 t/h





CUSTOMER

Service Waste, a family-owned company based in Fort Worth, Texas, has become a pioneer in the recycling and waste management industry in the region. The organization received the first UNTHA XR shredder to be commissioned in the USA almost a decade ago. Over the years, the machine has processed an average of 480 tons of commercial, industrial, and pallet waste per week, converting this locally collected residual material into an alternative fuel for the cement industry.

APPLICATION

Fast forward to 2024 and with customer demand continuing to rise, Service Waste aimed to enhance its shredding capabilities once again. A new, larger 24-ton XR shredder therefore made the 5,500-mile journey from UNTHA America's manufacturing headquarters in Austria. Following a one-week installation and testing period, the electric-driven machine is now fully operational.

SHREDDING SOLUTION

The versatile machine featuring a 9'8" aperture, can easily handle a variety of challenging, bulkier input materials, and is currently configured to produce a 2¾" particle size. Built-in resistance to foreign objects such as stray metal content, protects the machine from damage allows for easy extraction of these materials. The result is a high-quality, homogenous, and "on-specification" fraction, that serves as Refuse Derived Fuel (RDF) for cement kilns.

REQUIREMENTS

- » High throughput and efficiency
- » Durability and resistance to wear and tear
- » Energy-efficient operation
- » Ability to produce homogenous output material
- » Low maintenance requirements

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When we made the decision to invest in a new machine, returning to UNTHA was a 'no brainer'. Our criteria revolved around shredder durability, throughputs, up-time performance, operator safety, energy efficiency, and ease of maintenance. The XR ticks all the boxes – a testament to its strength and reliability.

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– Robert Dunlap
General manager of
Service Waste

