

SHREDDER SUPERCHARGES WASTE-TO-ENERGY PRODUCTION

Brown Recycling

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We were early adopters of UNTHA's waste-to-energy equipment, back in the early 2010s. As the RDF side of our business has grown, we've continued to rely heavily on the XR — in fact, it's probably completed over 18,000 hours of service for us! But when the ZR came out, we thought we'd see what we could achieve with this new technology.

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» MATERIAL
Commercial, industrial
and bulky waste

» SHREDDER
UNTHA ZR2400

» OUTPUT
Fuel





CUSTOMER

The Stoke-on-Trent-based waste management firm has used UNTHA shredding technology within its alternative fuel production plant for over a decade.

APPLICATION

Long-standing UNTHA customer H. Brown & Son Recycling has invested in a new UNTHA shredder, transitioning from an XR to a ZR. Following the launch of the new ZR pre-shredder, Browns will switch out its trusty XR after 11 years of operational service.

SHREDDING SOLUTION

The new machine will process the same variety of input materials — a multifaceted mix of commercial, industrial, and other bulky wastes — transforming them into a 200mm fuel for UK waste-to-energy conversion. But following extensive on-site trials, Browns has discovered it can increase its throughputs by up to 30%, thanks to UNTHA's ongoing innovation. The two-shaft UNTHA ZR2400 has been fitted with the H waste table, to best suit Browns' refuse-derived fuel (RDF) set-up.

REQUIREMENTS

- » Process a variety of commercial, industrial, and other bulky wastes
- » Increase shredding throughputs
- » Electric drive for ongoing power savings
- » Create alternative fuel for waste-to-energy conversion

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We're really impressed that the ZR comes with the same electric drive — and therefore the same power savings — that we're used to. You don't traditionally expect this performance from a two-shaft machine.

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— Rod Brown
Managing director

