

TOM WHITE EXPANDS SRF PRODUCTION CAPABILITIES WITH UNTHA XR SHREDDER

Tom White

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From a cost perspective, the UNTHA Finance package was an attractive benefit for us too — and not just because we can budget accurately. We have wrapped a five-year service plan into our investment — including three site visits per annum, complete with full machine inspection and service, plus oil and filter change — for ultimate peace of mind.

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— Michael Trueman, head of production at Tom White Waste

» MATERIAL
(C&I and C&D) waste

» SHREDDER
XR3000C

» THROUGHPUT
60 tons per day





CUSTOMER

Incorporated in 1975, Coventry-based Tom White Waste has grown from a family-operated company to an established waste management expert, renowned for its changemaking approach to material recycling. Now owned by Coventry City Council, the firm specializes in ethical waste management that puts people first, protects the planet, and generates profit for purpose. Through the use of its on-site materials recovery facilities (MRFs), Tom White can re-distribute recyclables back into the supply chain — including cardboard, plastics, wood, and both ferrous and non-ferrous metals, with the residual waste being leveraged for alternative fuel production.

APPLICATION

Approximately 180 tons of commercial, industrial, and demolition (C&I and C&D) waste pass through Tom White's facility each day. After being shredded down to a 300mm particle size, heavy fractions and valuable commodities are extracted and segregated from the output. Previously, the remaining residual material was then transported to another waste management company. However, keen to reduce costs,

and move one step closer to producing SRF on-site, the organization sought the expertise of UNTHA UK.

SHREDDING SOLUTION

Tom White invested in the UNTHA XR3000C. The machine is 75% more energy efficient than diesel-hydraulic shredders, promises robust and reliable operation, and achieves a homogeneous shredding size of less than 50 mm — providing a high quality feedstock for solid recovered fuel (SRF). Achieving throughputs of 60 tons per day – with capabilities of up to 80 on a single shift, the XR3000C is able to withstand the high volumes of waste facing Tom White's materials recovery facility (MRF). In fact, the company is even able to take on processed material imported from other waste management specialists, to boost its bottom line and unlock ambitious growth. Bypassing the MRF, the material is mixed with the light residual fractions generated by the plant itself, enabling it to ultimately produce a greater volume of fossil fuel substitutes. The goal is to eventually move this process on-site.

REQUIREMENTS

- » High throughput capability
- » Robust and durable material handling
- » On-specification SRF feedstock
- » Temporary mobile operation
- » Flexible financing options

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While searching for something mobile, Tom White wanted a tried-and-tested shredder that could withstand the high volumes of waste passing through the facility. Having showcased the UNTHA XR in action on other sites, we knew it could promise the resilience for tough operating conditions and a consistent SRF output. A great result all round.

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– Michael Trueman
Head of production at Tom White Waste