

SHREDDING ENABLES 100% IN-HOUSE RECYCLING

John Lawrie Tubulars

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We arranged a trial with a small sample of material, to see if the technology could tackle our input. Impressed from the outset, we then arranged a second ‘shred test’ to see how the machine performed with a full load. We were really pleased with the output quality, as well as the availability of UNTHA’s expert support. Their communication has been exceptional.

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» MATERIAL
Plastic and bulky material

» SHREDDER
UNTHA RS40

» OUTPUT
**Homogeneous
15mm fraction**





CUSTOMER

With operations in the UK and USA, John Lawrie Tubulars' 15-acre Montrose facility houses a full-service manufacturing, cleaning, recycling, and warehousing operation, supplying a truly international customer base.

APPLICATION

Committed to the circular economy, the firm purchases steel tubulars from the oil and gas industry, before giving the products a new lease of life in construction piling. Repurposing the materials achieves a 97.21% carbon emission saving compared to using raw materials, with no detriment to quality. But keen to continually improve its sustainability agenda, John Lawrie Tubulars has now also invested in an UNTHA plastic shredder.

SHREDDING SOLUTION

This globally-renowned technology can process half a tonne of screw caps — oil tube tread protectors — per hour, shredding the otherwise bulky material down to a homogeneous 15mm fraction.

Drum and over band magnets affixed to the discharge conveyor then extract metal content from the output material, for local resale and recycling in Aberdeen, while the clean, high-quality plastic is also sent for remanufacturing. This results in the 100% reuse of material that was previously unusable.

REQUIREMENTS

- » A closed-loop waste management system
- » Capable of tackling plastic & bulky material
- » Longevous and reliable shredder performance
- » Homogeneous, high quality material output
- » Accessible, expert support

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As the RS40 was already in stock and available for immediate dispatch, we simply configured the technology to meet John Lawrie Tubulars' specific requirements. That's the beauty of this flexible recycling system. Only the conveyor needed manufacturing, which shortened the lead time to commissioning, helping them advance their sustainability efforts at pace.

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— Lewis Horne
Sales consultant, UNTHA UK