

SECURE RECYCLING SCALES UP ELECTRONIC WASTE SHREDDING OPERATIONS WITH DUO OF UNTHA SHREDDERS

Secure Recycling

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These machines are the backbone of our operations. Their robustness and ease of maintenance give our team the confidence to push boundaries and see what's possible.

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» MATERIAL
Electronic waste

» SHREDDER
ZR2400W and
XR3000C Mobil-e

» THROUGHPUT
Up to 7 metric
tons per hour





CUSTOMER

Secure Recycling, based in Cleveland, Ohio, specializes in secure and compliant IT asset disposition (ITAD) services. As a RIOS-certified recycler, the company serves individuals, businesses, and government agencies, responsibly processing and recycling electronics while maintaining the highest standards of data security and environmental compliance.

APPLICATION

The company handles a wide variety of electronic waste on a national scale, achieving throughput rates of up to seven metric tons per hour. With a focus on efficiency and sustainability, the company has invested in advanced shredding technology to improve resource recovery and minimize downtime. Its shredding operations produce a consistent 2-inch particle size, which is further separated using cutting-edge technologies to maximize material recovery and recycling rates.

SHREDDING SOLUTION

Secure Recycling's partnership with UNTHA America began in 2020 with the acquisition of the four-shaft RS100 shredder. While the RS100

provided a strong foundation for shredding operations, the company expanded its capabilities in 2022 with the addition of the ZR2400W, followed by the XR3000C Mobil-e. The ZR2400W functions as a preshredder, feeding material into the RS100 at a more uniform size, which improves processing efficiency, reduces power consumption, and allows Secure Recycling to handle larger and heavier materials, such as printers and stadium-sized LED panels. Additionally, it boosted the company's throughput capacity beyond what the RS100 could handle on its own. The XR3000C Mobil-e fully replaced the RS100, delivering four times the throughput at just a quarter of the operating cost. Its robust design and advanced cutting technology enable it to handle unshreddable materials without sustaining damage – improving uptime and overall efficiency. As a result, Secure Recycling has achieved its lowest record of plant downtime in the company's history, thanks to the durability and reliability of UNTHA machinery. These shredders have transformed Secure Recycling's processing capabilities, enabling the company to reduce downtime, increase cost savings, and expand its market reach.

REQUIREMENTS

- » Reliable shredding technology with consistent performance
- » High throughput rates for processing diverse electronic waste materials
- » Efficient particle size reduction
- » Energy-efficient machinery to lower operational costs
- » Customizable solutions to meet both immediate and future business needs

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The UNTHA team worked closely with us to design a custom system tailored to both our immediate needs and future ambitions. This innovative approach and commitment to understanding our unique challenges have been instrumental in our success. We view UNTHA as an extension of our own team.

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— Mario Jurcic
President of Secure Recycling