

ELECTRONIC WASTE RECYCLING: DOUBLE THROUGHPUT WITH RS100

Sunnking Sustainable Solutions

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The UNTHA RS100 has been a game changer for us. It's durable, flexible, and allows us to process more material faster, while producing a clean, valuable output for reuse.

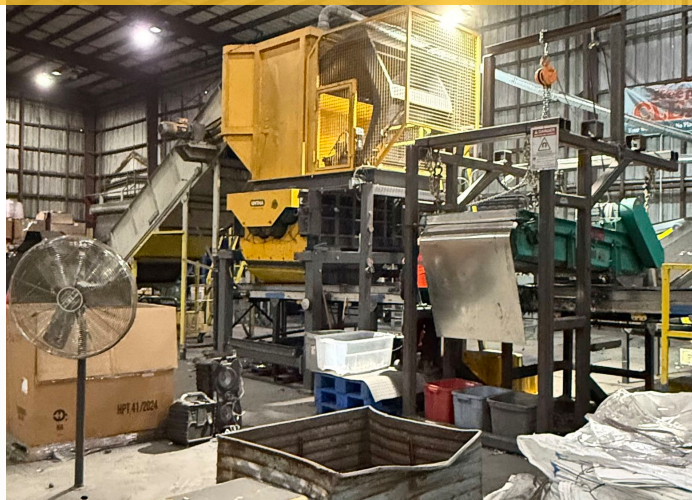
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» MATERIAL
Electronic waste

» SHREDDER
RS100

» THROUGHPUT
Ca. 12 t/d (2,7 t/h)





CUSTOMER

Sunnking Sustainable Solutions, founded in 2000, is an IT asset disposition (ITAD) and electronics recycling company based in New York. The company specializes in the reuse, resale, and recycling of electronic waste, serving both residential and commercial sectors. Sunnking efficiently processes large volumes of e-waste while upholding the highest environmental and data security standards. With over 155 collection sites, the company also hosts community recycling events to promote environmental responsibility.

APPLICATION

To increase its recycling capacity, the company was looking for a robust shredder with a high throughput rate that could quickly and efficiently produce a homogeneous output material and was particularly suitable for shredding electronic scrap. It also needed to be possible to adjust the speed and torque for optimization.

SHREDDING SOLUTION

In 2024, Sunnking invested in the UNTHA RS100 – a high-performance machine designed to process a wide variety of electronic waste materials. The company integrated the RS100 into its processing line. The shredder, fed by a 23-meter conveyor system, efficiently shreds mixed electronics while enabling the removal of oversized items such as televisions and transformers, which require special handling and processing. The RS100 shreds approximately 12 tonnes of material per day, producing two key output fractions — clean ferrous steel and consumer shred, which is sent to refiners. Building on the success of the RS100 shredder, Sunnking is planning to expand its operations beyond New York. The company intends to establish a standalone facility outside of New York State to better serve customers and enhance its recycling capabilities. Additionally, Sunnking remains committed to supporting local communities through initiatives like the E-Scrap for Camp program, which raises funds to help send children battling cancer to summer camp.

REQUIREMENTS

- » High throughput
- » Good material breakdown
- » Optimal material feed
- » Various program settings
- » Low maintenance

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We needed a shredder that could handle our growing volume without compromising quality or efficiency. The UNTHA RS100 has exceeded our expectations, delivering exceptional throughput, reliability, and ease of maintenance. This investment has been a game-changer for our operations.

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— Adam Shine
President of Sunnking Sustainable Solutions