

Next Generation ZenRobotics Recycler

Fully Automated Recycling

- 24h operations
- Over 95% purity
- Low operating cost
- Recovers many fractions simultaneously

ZENROBOTICS[®]

Automated Recycling 24/7!

The ZenRobotics Recycler is a fully automated waste sorting solution. Built from standard industrial components, the system applies machine learning to identify and recover valuable raw materials in C&D and C&I waste streams. Currently the system recovers minerals, metals, wood and rigid plastics.

Robots have never before been able to operate in the complex, changing and varied roles that are typically needed in waste management.

The durable installation is specifically designed to meet the demanding requirements of a heavy waste processing environment. Let the robots do the dirty work!



Recover with Higher Purity

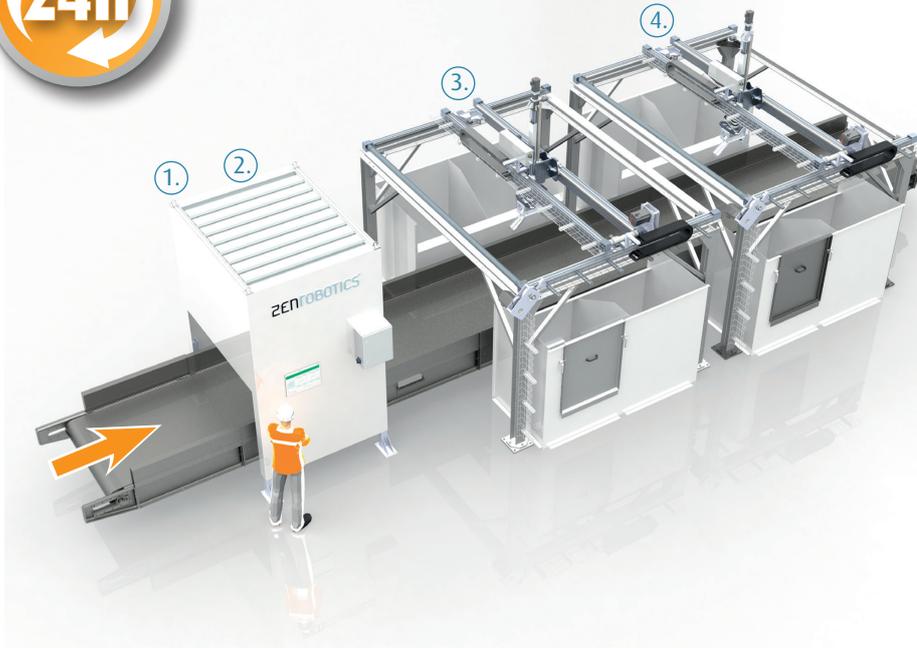
The ZenRobotics Recycler uses multiple sensor inputs to identify items and raw materials. Sensor fusion allows an accurate analysis of the waste. Now it is even possible to get real-time statistics on the waste composition, tonnage and value of waste streams – for the first time ever!

Unlike other sorting methods the ZenRobotics Recycler can reclaim clean, specific fractions with particularly high purity. The system can also reclaim multiple fractions at the same time, which improves the efficiency of waste processing facilities.

Customers can also get continuous upgrades as the ZenRobotics Recycler is constantly learning. The system can be readily software-updated for performance tuning or even new fractions, for example, making the system a safe investment.



Control purity and throughput with a simple user interface.



Faster or Stronger? Multiply the Efficiency

The speed and strength of ZenRobotics Recycler are revolutionizing waste sorting. Designed to replace manual sorting, the system can pick hand-sized objects from your waste with high precision – and it does it fast. We are breaking speed records all the time!

The ZenRobotics Recycler is also the strongest guy on the block. It can easily improve the efficiency of excavator sorting by picking large objects up to 20 kg – and that all day long without breaking a sweat!

Humans have now lost the race against the robots! The ZenRobotics Recycler will work in multiple shifts and even 24/7 – talk about short payback!

1. Sensor unit gathers data from the waste stream.
2. Multiple sensor inputs (VIS, NIR, laser scanner, metal detector) to identify items and raw materials.
3. ZenRobotics Brain analyzes data and controls the industrial robots.
4. The industrial robot picks multiple fractions simultaneously and with high purity.

See It Live!

The Next Generation ZenRobotics Recycler is operational at SITA Finland Ltd., a part of SUEZ Environnement, one of the largest environmental services companies.



Great! How Do I Get One?

The ZenRobotics Recycler is available globally. For an immediate response, contact ZenRobotics Sales at sales@zenrobotics.com, tel. +358 45 259 6161

ZENROBOTICS®

We are here to change the way recycling is done. Join the revolution!
www.zenrobotics.com