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ZENROBOTICS® Recycler – robotic sorting station

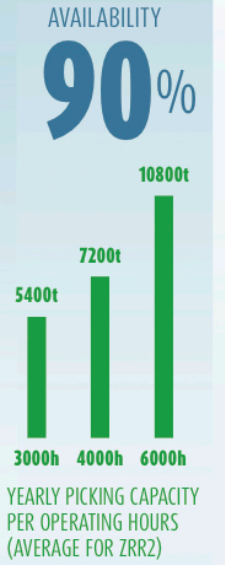
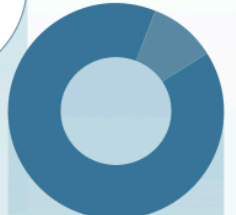
ZenRobotics Recycler (ZRR) reclaims valuable raw materials from waste with the help of robots and advanced machine learning technology.
→ www.zenrobotics.com

The Robotic Sorting Station enables fully automated waste sorting. The simple process can be installed in a compact space with little additional equipment. There's no need for shredding as the system can handle large objects up to 20 kg!

Low Operating Cost
10 kW

SCREENING
A screen divides the waste into fines, a light fraction and a 3D fraction which continues its way to the ZenRobotics Recycler.

24 h/day



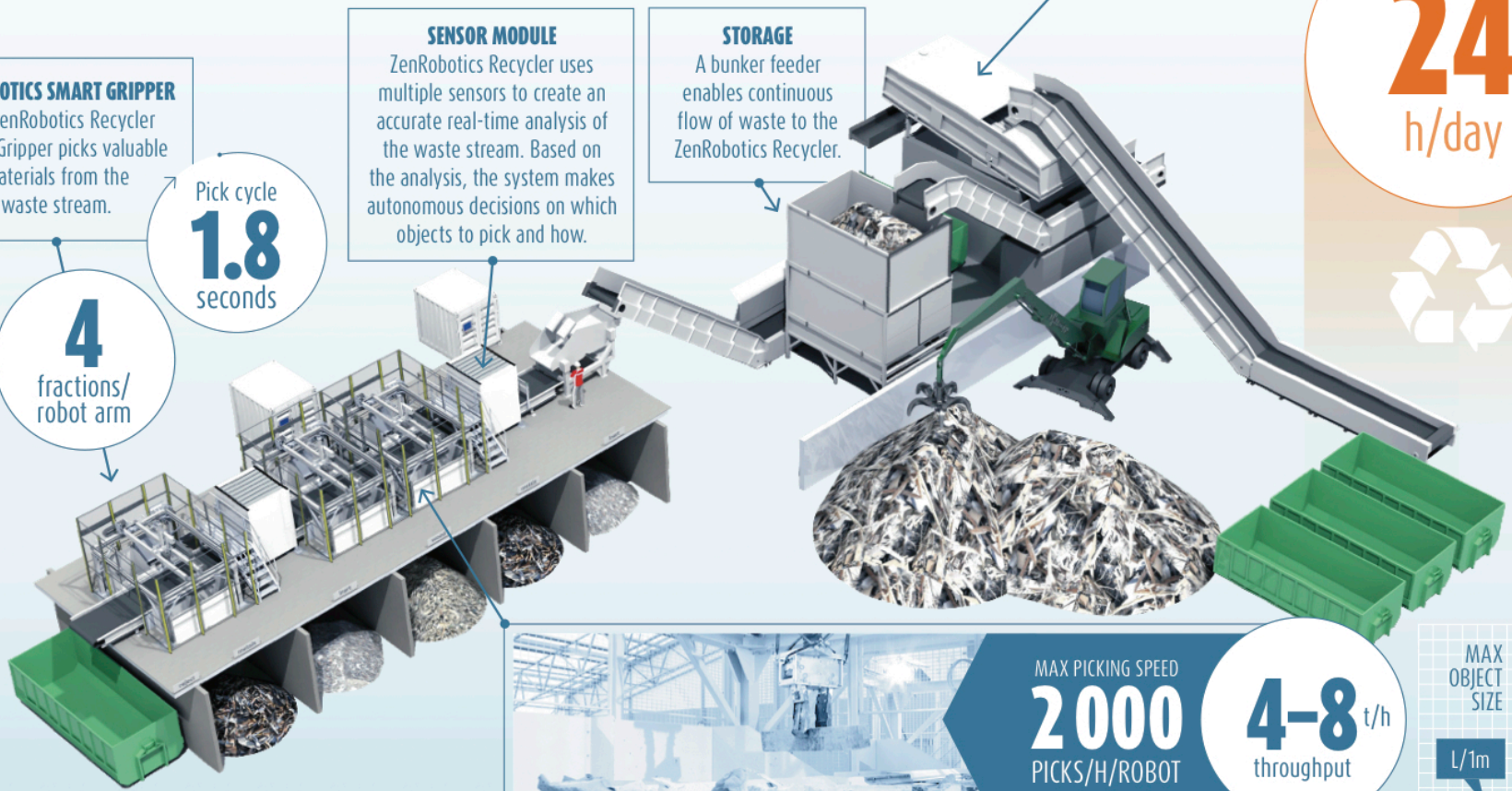
ZENROBOTICS SMART GRIPPER
The ZenRobotics Recycler Smart Gripper picks valuable materials from the waste stream.

Pick cycle
1.8 seconds

4 fractions/robot arm

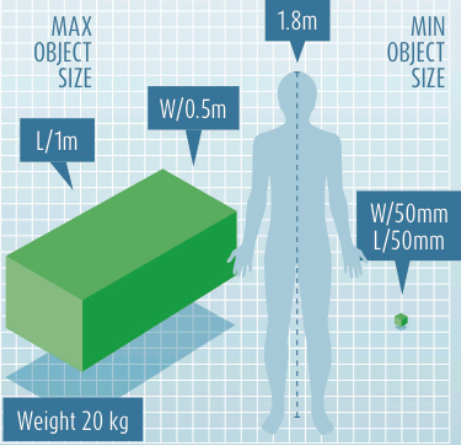
SENSOR MODULE
ZenRobotics Recycler uses multiple sensors to create an accurate real-time analysis of the waste stream. Based on the analysis, the system makes autonomous decisions on which objects to pick and how.

STORAGE
A bunker feeder enables continuous flow of waste to the ZenRobotics Recycler.



MAX PICKING SPEED
2000 PICKS/H/ROBOT
4-8 t/h throughput

SORT LARGE AND SMALL FRACTIONS



Up to **98%** purity



HIGH QUALITY FRACTIONS
The system can pick various qualities of inert and wood fractions as well as mixed rigid plastics and metals. The ZRR can simultaneously pick multiple fractions from mixed C&D and C&I waste streams.