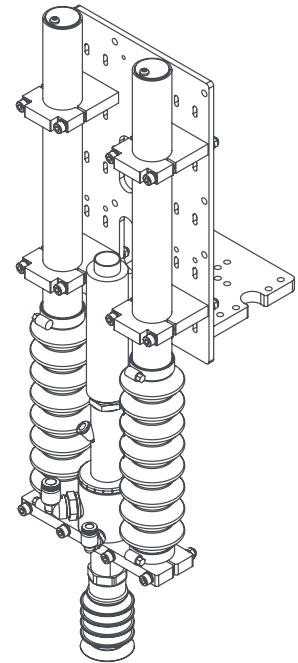# ZENROBOTICS®

FAST PICKER

ZenRobotics Fast Picker couples artificial intelligence (AI) software with high-speed picking, allowing autonomous sorting 24/7. With Fast Picker you can increase recovery while maintaining high purity in recyclables. Our unique solution combines our own robot design fit exclusively for waste sorting, with our own AI software, called ZenBrain.

Fast Picker's robust and compact design is optimal for a demanding waste treatment environment. Fast Picker fits a single sorting bay and can be retrofitted for different conveyor widths and multi-lane conveyors. Therefore, it fits most picking stations without additional modifications.

ZenRobotics' heavy-duty robots, AI software that can be easily upgraded and our inhouse support guarantee a safe investment.

PRODUCT FEATURES

Robot arms	1		**Working area**	1200 mm x 600 mm, 4' x 2'
Sensor units	1		**Discharge chutes**	2 (1 on each side)
Gripper type	Suction Gripper		**Maximum object weight**	1 kg, 2.2 lbs
Maximum speed	4000 picks/h		**Maximum object size**	L 400 mm, W 400 mm, H 300 mm
Sorting belt speed	0.1-1 m/s, 20-197 fpm			L 16", W 16", H 12"
Unit length & width	1944 mm x 2670 mm, 6' 4" x 8' 8"		**Installed power**	11 kW, 15 hp
Unit height	2750 mm, 9'		**Air consumption**	250 l/min at 8 bar, 8.8 cfm at 116 psi
Unit weight	1350 kg, 2976 lb		**Availability**	> 90%
			Warranty	1 Year or 3000 h

Technical specifications & features subject to change.

BENEFITS

- Replaces manual sorting
- Increases product purity and recovery
- High-quality fractions

- Increased profits
- Improves safety
- Easy installation to existing MRF's

- Low integration cost
- Autonomous operation 24/7

SCOPE OF DELIVERY

The delivery of a complete Fast Picker system includes a sensor unit, control system, robot arm, suction gripper, and safety panels.

COMPACT DESIGN ALLOWS EASY INSTALLATION TO DIFFERENT CONVEYOR WIDTHS, ALSO MULTILANE CONVEYORS.
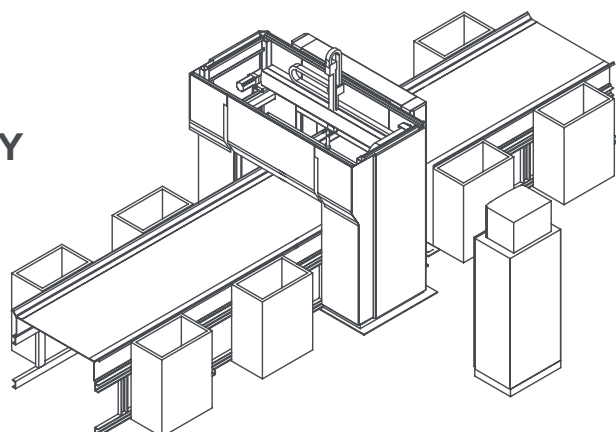
ZENROBOTICS®

FAST PICKER

Designed to improve the efficiency of MRF's, ZenRobotics Fast Picker is ideal for lightweight material such as packaging waste (LWP), dry mixed recyclables (DMR) and municipal solid waste (MSW). It's easily integrated to side streams, reject recovery lines, and quality control after optical sorting.

DESIGNED TO IMPROVE THE EFFICIENCY OF MRF'S. DESIGNED TO MAXIMIZE YOUR PROFITS!

HANDS-FREE SORTING TO MRF'S

SORTING TASKS

• Quality Control

- Efficient solution for QC compared to the current combination of optical and manual sorters
- Fundamental addition to fully automated MSW and DRM plants
- PE quality control

• Reject Recovery

- Reduce reject on DMR lines and increase profits
- High accuracy and efficiency in sorting
- Faster and cheaper compared to manual sorting

2750 mm

2285 mm

1263 mm

1944 mm

8000 PICKS/HOUR/ 2 SORTING BAYS

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