

FAST PICKER

ZenRobotics Fast Picker couples artificial intelligence (AI) software with high-speed picking, allowing autonomous and accurate sorting without interruptions 24/7. With Fast Picker, you can increase recovery while maintaining high purity in recyclables.

Fast Picker's robust and compact design is optimal for a demanding waste treatment environment. Easy-fit design, upgradable AI software and in-house support make Fast Picker a safe and attractive investment.







SORTING TASKS

The Fast Picker is ideal for lightweight material such as packaging waste (LWP), dry mixed recyclables (DMR) and municipal solid waste (MSW). It can be easily integrated to side streams, reject recovery lines, and quality control after optical sorting.

HDPE QUALITY CONTROL	FIBER LINE QUALITY CONTROL	UBC QUALITY CONTROL	PET QUALITY CONTROL	RESIDUE LINE RECOVERY
<ul style="list-style-type: none"> • HDPE pots & trays • Beverage cartons • PET bottles & flasks • Toxic containers • Silicon cartridges • Foils 	<ul style="list-style-type: none"> • Grey fiber • Brown fiber, OCC • Trash 	<ul style="list-style-type: none"> • Used beverage cans (UBC) • Other non-ferrous objects • Specific contaminants • Trash 	<ul style="list-style-type: none"> • Clear & colored PET bottles, flasks, trays and pots • Other polymers, PP, PS objects • Trash 	<ul style="list-style-type: none"> • PET • HDPE • PP, PS • UBC • TETRA etc.

PRODUCT FEATURES

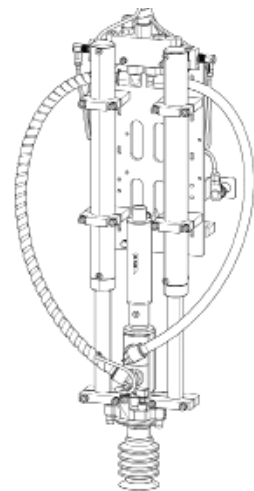
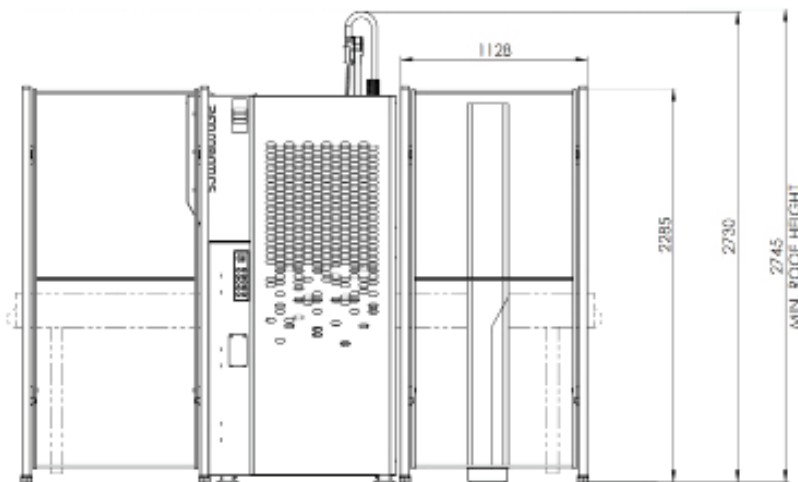
Fast Picker fits a single sorting bay and can be retrofitted for different conveyor widths and multi-lane conveyors. Therefore, it fits most picking stations without additional modifications.

-  **High picking power per area**
-  **Multiple units can be stacked close together**
-  **Sensor bar system for recognition attached**
-  **Easy low-cost maintenance**



TECHNICAL SPECIFICATIONS

Robot arms	1	Unit weight	1350 kg, 2976 lb
Sensor units	1	Max. conveyor width	1400 mm, 4.6'
Gripper type	Suction Gripper	Working area	1200 mm x 600 mm, 4' x 2'
Maximum speed	4000 picks/h*	Discharge chutes	2 (1 on each side)
Sorting belt speed	0.1-1 m/s, 20-197 fpm	Maximum object weight	1 kg, 2.2 lb
Unit length & width	1944 mm x 2670 mm 6' 4" x 8' 8"	Maximum object size	L 400 mm, W 400 mm, H 240 mm L 16", W 16", H 9.5"
Unit height	2750 mm, 9'	Installed power	11 kw / 400 VAC 3-phase
Air consumption	250 l/min at 8 bar, 8.8 cfm at 116 psi	Technical specification subject to change. * Actual picking speed depends on feed	
Availability	> 90%		



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