

# ARTIFICIAL INTELLIGENCE

# GREEN MACHINE<sup>®</sup>

## ROBOTICS - UNBEATABLE PERFORMANCE AND VALUE

Green Machine's **i-BOT<sup>®</sup> AI Robotics** can sort multiple recycling grades at 98%+ clean pick rates with an industry high 90%+ success in selected commodities reaching their designated drop chutes. Our standard robotic sorter is designed with twin high-speed sorting arms exceeding 120 total picks-per-minute. Each system can sort up to 6 separate commodities on conveyors ranging from 24" up to 72" in width. Easy material grade selection with no monthly service support charge.



## i-BOT<sup>®</sup> ROBOTIC SORTER ADVANTAGES



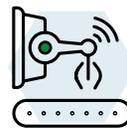
When you choose i-BOT<sup>®</sup> you will achieve 90%+ material recovery with 98%+ accuracy rate.



Modular design makes it possible to easily relocate robotics to different sort positions across a system. No component weighs more than 100lbs.



Two vision systems totaling four robotic arms can be operated with a single computer and software package.



Multiple material grades can be sorted with each individual arm reaching designated deposit chutes.

# i-BOT<sup>®</sup>

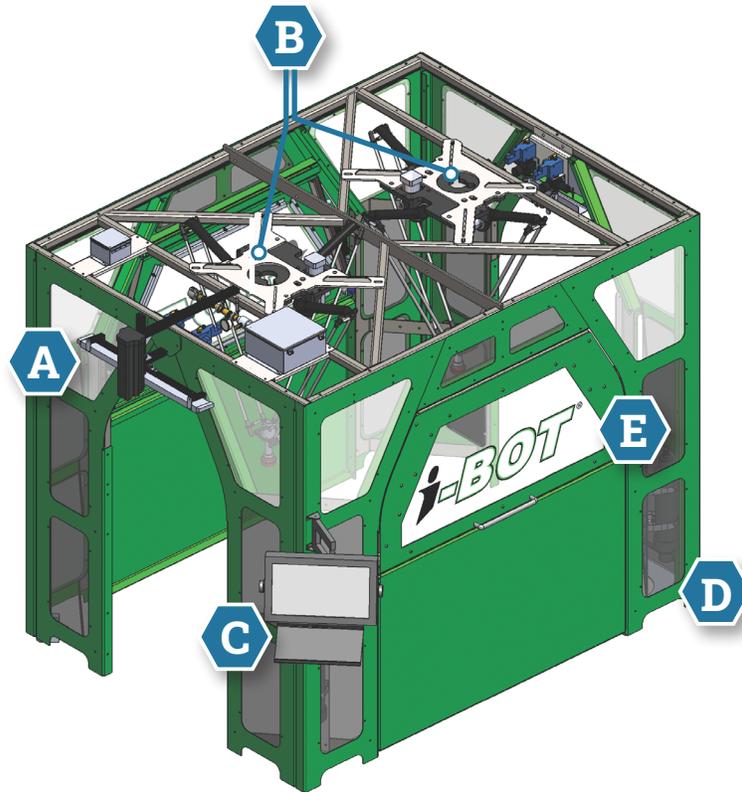
### CONTACT GREEN MACHINE TODAY

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# i-BOT® ROBOTIC SORTER FEATURES



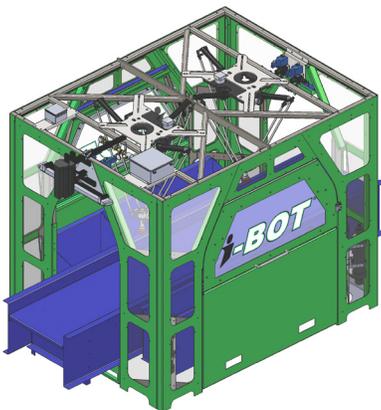
	KEY FEATURES (Shown Above)	BENEFITS
<b>A</b>	Artificially intelligent vision system with shape recognition.	This allows the identification and classification of a wider range of materials.
<b>B</b>	Two robotic arms per unit.	Vacuum cup collector lifting capacity 5 lbs. Mechanical gripper lifting capacity 10 lbs.
<b>C</b>	Full diagnostic and material selection software.	On-the-fly commodity selection.
<b>D</b>	Modular housing unit.	Deployment over a wide variety of conveyor widths and multi-lane arrangements are available. Can be easily moved to different locations on your system.
<b>E</b>	Maintenance access door.	Easily reach your robot's arms for routine maintenance.

# i-BOT® ROBOTIC SORTER MODELS



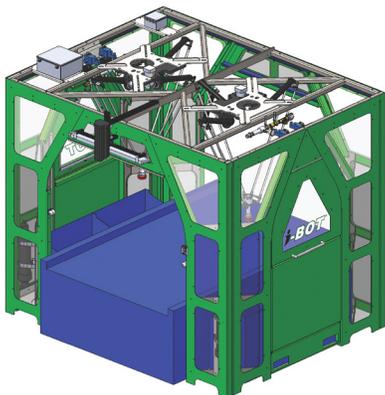
**Inline Single-Side Sort** - Robotics can sort off of 24" – 36" wide conveyors, depositing materials to only one side. This model is capable of servicing up to three individual commodity drop chutes. This style is typically deployed where space is an issue and when the customer wants to maintain the ability to manually sort, bypassing the robot.

**Dimensions** 9' 4" L x 5' 11" W x 8' 7" H



**Inline Dual-Side Sort** - Robotics can sort off of 24" – 48" wide conveyors, depositing materials to both sides. This model is capable of servicing up to six individual commodity drop chutes. This style system is typically deployed for higher throughput and burden depths, and where additional material selection groupings are required.

**Dimensions** 9' 4" L x 7' 2" W x 8' 7" H



**Side-By-Side Dual Sort** - Robotics can sort off of 60" - 72" wide conveyors, depositing selected materials to both sides. Dual-arm systems can pick two individual commodities to each side of the conveyor, four total commodities. This style system is typically deployed for high throughputs and burden depths requiring additional spread (i.e. fiber sorting or high container throughputs).

**Dimensions** 7' 2" L x 9' 4" W x 8' 7" H

**Multiple Robotic Array** - Economies of scale exist for closely positioned robotics. Two robotic vision systems, totaling four robotic arms, can be operated with a single computer and software package. Multiple robotic arms, eight or more, can be operated with a single PLC further reducing your investment cost.

**Dimensions** 19' 9" L x 7' 2" W x 8' 7" H



# GREEN MACHINE®

## INCREASE YOUR SYSTEM'S EFFICIENCY WITH i-BOT®

Sorting rates of 98% or better accuracy of identified material. Improve your commodity grades while vastly reducing labor costs when you deploy a Green Machine i-BOT® Robotic Sorter to your system.



SCAN TO WATCH OUR  
i-BOT® IN ACTION!



# i-BOT®

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