

Introducing Samurai® Robot Series

MIND™

Machinex offers two advanced sorting solutions, powered by MIND™, Machinex-engineered artificial intelligence, to transform your facility's efficiency. Combining cutting-edge AI with innovative design, both models enhance material recovery and quality control.

Whether you need full-scale performance or a compact, space-saving option, these robots are built to revolutionize your sorting operations.

**Maximize Efficiency. Minimize Space.
We've Got You Covered.**





Designed for high-performance material recovery and precise quality control in MRF operations, the Samurai® sorting robot, powered by MIND™, combines advanced AI with a 4-articulation robotic arm to accurately identify and extract targeted materials at high speed. Proven across the recycling industry, Samurai® integrates seamlessly into new or existing systems, delivering a reliable and flexible solution that enhances sorting efficiency and overall plant performance.

BENEFITS OF THE SAMURAI®

01

Reduction in Labor Requirements

Help control costs and address HR challenges

02

Up to 70 Picks/Min¹

Nearly double the average rate of a human sorter (30 to 40 picks/min)

03

Software Updates Available

To recognize new products

04

Increased Sorting Availability

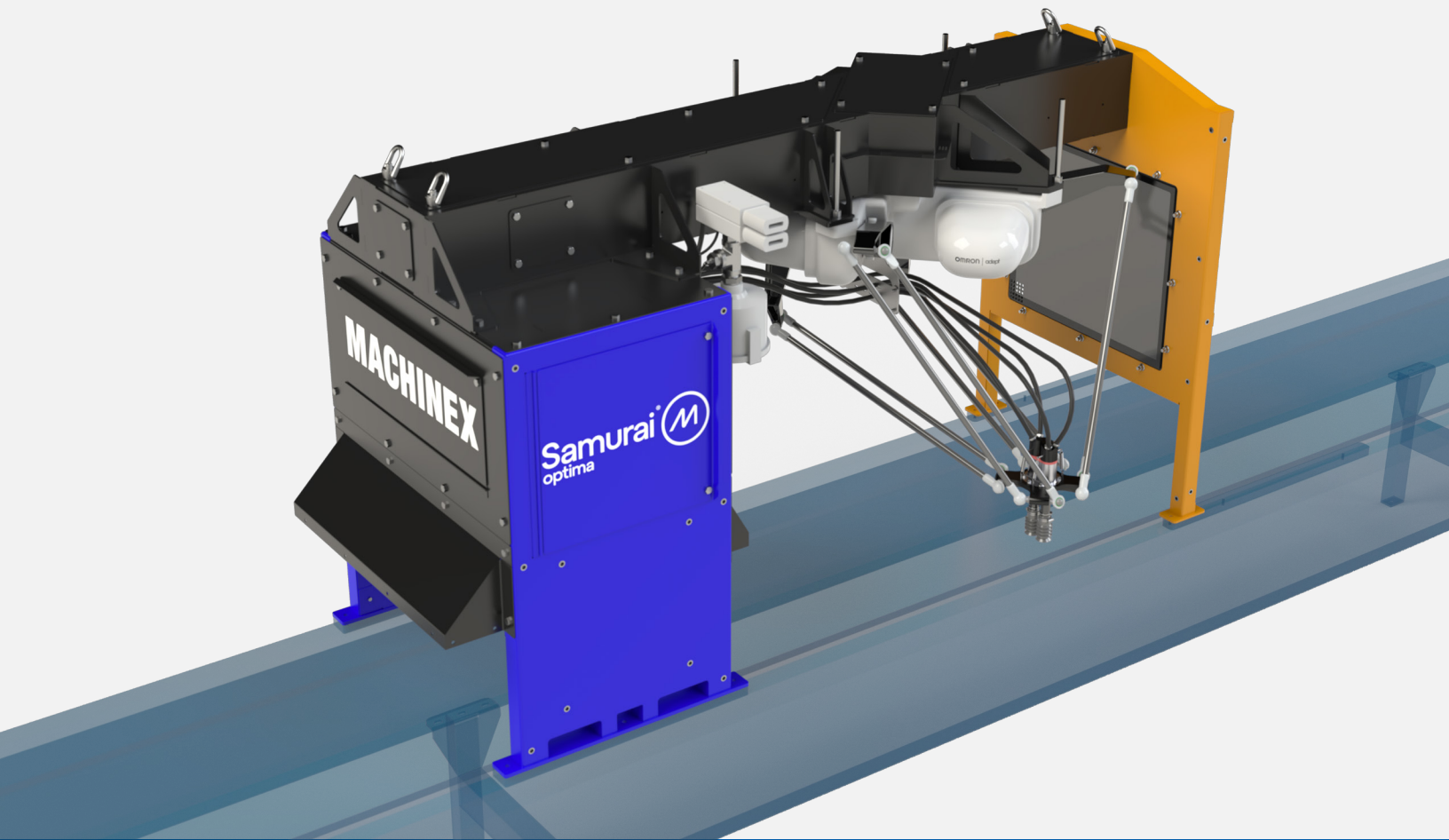
With optimized productivity and performance

05

Automated Emptying System*

With plastic film suction
*Optional

Smarter Sorting. Faster Decisions.



Featuring a compact design for easy integration, Samurai® optima™, powered by MIND™, delivers the same high performance as the original Samurai® in a more compact footprint, offering a cost-effective solution within the Samurai® robot series. Proven across the recycling industry, it provides a reliable and flexible approach to improving sorting efficiency while optimizing overall plant performance.



BENEFITS OF THE SAMURAI® OPTIMA™

<p>01</p> <p>Reduction in Labor Requirements</p> <p>Help control costs and address HR challenges</p>	<p>02</p> <p>Up to 70 Picks/Min¹</p> <p>Nearly double the average rate of a human sorter (30 to 40 picks/min)</p>	<p>03</p> <p>Small Footprint</p> <p>Allows installation in buildings with low ceiling heights (as low as 2.4 m / 8 ft)</p>	<p>04</p> <p>Enhances Availability & Performance</p> <p>Improves safety & fast installation</p>	<p>05</p> <p>Improved Uptime</p> <p>Requires less maintenance than the original Samurai™</p>
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Whether you're scaling up or optimizing space, our sorting robots deliver results.

Not sure which solution is right for you? Our team of experts is here to help you determine the perfect fit to optimize your operations and maximize efficiency.

To help you make an informed decision, here's a quick comparison of the key features and benefits of the Samurai® and Samurai® optima.

Intelligent Performance	Samurai® 	Samurai® optima 
Picks/Minute	Up to 70 picks/minute	Up to 70 picks/minute
Robot Cell	Enclosed self-supporting	Mounted directly on a conveyor
Installation Time	2 - 3 days	1 - 1½ days
Compatible Conveyor Width	24" - 96" (0.6 - 2.44 m) ²	24" - 60" (0.6 - 1.5 m) ²
Plastic Film Handling System	✓	✓
Multiple Configurations	✓	-
Compact	-	✓
Turnkey Solution Cost	\$\$	\$

¹ The Samurai® & Samurai® optima™ performances could vary depending upon the variations of tonnage & composition, the quantity & the material spread at the robot, etc.

² Width specifications shown encompass multiple configuration options and may vary by application.