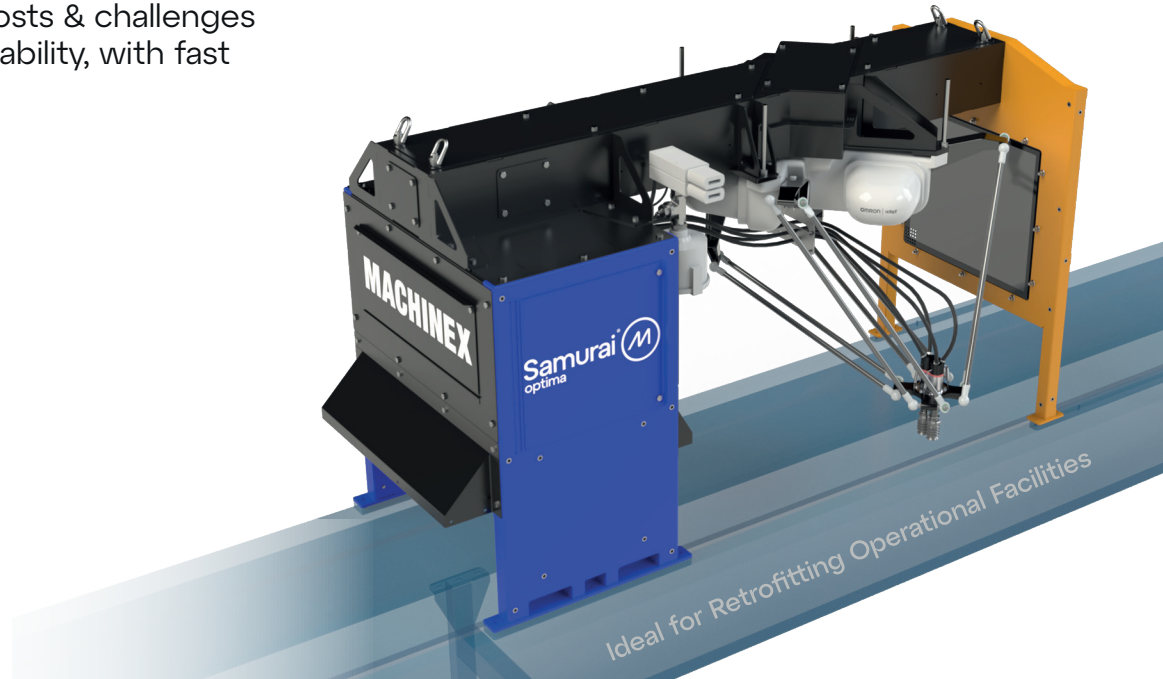


Compact Sorting Robot

- Compatible with low ceilings 8 ft. (2.44 m)
- Up to 70 picks/min¹, double the average pick rate of a human sorter
- Reduces HR-related costs & challenges
- Enhances sorting availability, with fast installation



The Samurai[®] optima[™] is a compact and cost-effective robot powered by MIND[™], Machinex-Engineered AI, delivering the same advanced capabilities as the original Samurai[®]. It accurately identifies and sorts materials to ensure optimal recovery and improved quality control. With its space-efficient design, the Samurai[®] optima[™] can be integrated into a wider range of facilities and environments, reducing reliance on manual labor while enhancing overall operational efficiency.

	Width	Length	Height	Working Envelope	Conveyor Width
Samurai[®] Optima[™]	Adapted to conveyor width	7'10" (2.39m)	4'77" (1.4m)	51" (1.3m)	24" - 60" (0.6 - 1.5 m)*

**42-60" will require two single robot cells in staggered position*

MACH INTELL[™]

Machinex's business intelligence platform extracts data from camera vision units. Its intuitive dashboard translates real-time data into clear visibility of material streams and provides key performance indicators MRF operators need to optimize performance such as:

- Flow Composition
- Material Trends Per Given Period
- Quantity Per Material Type



1 The performances could vary depending upon the variations of tonnage & material composition, quantity, material spread, etc.



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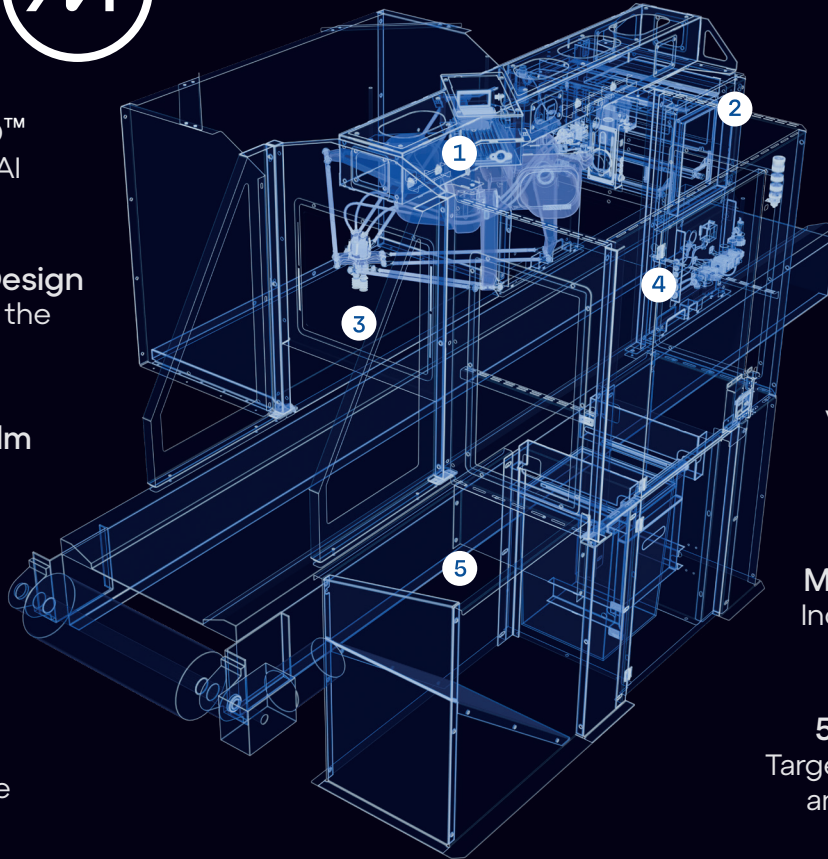
Installation Time
1 - 1 ½ days

1. Powered by MIND™
Machinex-Engineered AI

2. Compact Cantilever Design
Mounted directly above the
conveyor

3. Automated Plastic Film
Handling System
To reduce downtime

4. Ergonomic Design
Easy access for
preventive maintenance



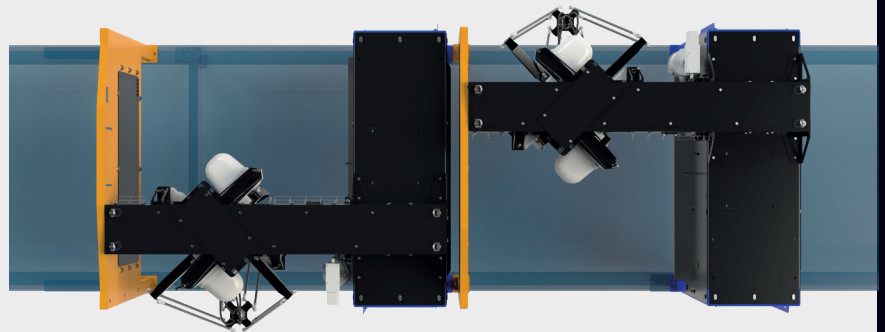
No Compromise
on Performance
VS. the original Samurai®

No Daily
Maintenance Required
Increased system uptime

5. Material Handling
Targets designated products
and sort them into the
respective chutes

Adaptable Configuration

For wider conveyors (42 to 60 inches), multiple single robotic cells can be installed in an offset position to ensure optimal material coverage.



MIND™

Artificial Intelligence for Sorting Operations

Combines computer vision, machine learning & real-time decision-making

Data Accessible Through MACH Intell™

Detects & classifies materials, turns insights into operational decisions & enhances picks

Purpose-Built for the Waste & Recycling Industry

Has been developed, deployed & proven in real operating facilities since 2019

ENGINEERED BY MACHINEX