



TOMRA  
**S2**  
Rugged Plus™

Tough on the outside,  
smart on the inside





## Tough, efficient, and ready for the outdoors

Engineered for exceptional durability and system integrity, TOMRA S2 Rugged Plus is made to withstand the elements. Conveniently placed outside your store, it saves valuable indoor space while making container returns easy for customers. With high storage capacity and advanced digital tools, it delivers operational efficiency and a seamless recycling experience.



## Convenient, fast and effortless recycling

Enhance the recycling experience with TOMRA S2 Rugged Plus. Its clear, easy-to-read on-screen instructions, even in bright sunlight, and an optional weather-protection hood ensure a smooth experience in any condition. Powered by TOMRA Flow Technology™, it provides instant container recognition, minimizing wait times and letting customers get back to shopping quickly.



## Maximize availability, simplify maintenance

TOMRA S2 Rugged Plus is built for reliable, consistent performance, offering two Euro-pallet-sized bins for ample storage capacity and seamless integration with your store's logistics. An optional re-routing function ensures uninterrupted service even after one bin is full, maximizing availability while reducing store personnel's involvement. Handle peak hours, streamline operations, and enhance convenience effortlessly.

## Designed to grow with your business

Streamline operations for both your store and customers by accepting, compacting, and storing plastic bottles and cans in one standalone solution. TOMRA S2 Rugged Plus can be easily upgraded with the SoftDrop module to handle reusable bottles safely, offering the flexibility to adapt as your business evolves.



## Smart connectivity for productivity and performance

TOMRA S2 Rugged Plus integrates seamlessly with our digital tools and APIs, unlocking advanced capabilities to maximize your machine's lifetime value. Real-time monitoring empowers store personnel to address issues proactively, ensuring uninterrupted service and smooth operations. Leverage operational insights to continuously optimize performance, while fast, secure deposit return payouts keep customers coming back, enhancing satisfaction and loyalty.



# Retailers help the world recycle

Deposit return systems (DRS) for beverage container recycling help keep valuable resources in a continuous loop of use and reuse. At TOMRA, we call this process Clean Loop Recycling.

As a retailer, you're at the heart of Clean Loop Recycling. You play a critical role at the point where consumers buy and return their containers.



Let's put recycling to work for you

Choosing to partner with TOMRA means creating a **great recycling experience for your customers**, making a **smart investment for your store**, and choosing a solution that brings **peace of mind and excellent support for your operations**.

# TOMRA S2 Rugged Plus™

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## MEASUREMENTS

<b>Dimensions [W x D x H]</b>	1886 mm x 1489 mm x 1794 mm
<b>Infeed height</b>	1210 mm
<b>Footprint</b>	2.8 sqm
<b>Weight</b>	568 kg

## STANDARD CONFIGURATION

<b>Machine type</b>	Standalone reverse vending machine
<b>Bin unload direction</b>	Front unload
<b>Number of cabinets &amp; bins</b>	1 cabinet and 2 bins (2 x EU 1/1 pallet inside)
<b>Compactors<sup>1</sup></b>	PET crusher / Can crusher / Mix crusher / Glass crusher and Drop
<b>Colors</b>	RAL 7024 (possible to wrap machine for a custom look)
<b>User interface</b>	<b>Display:</b> 10,4" touch display with high brightness, suitable for direct sunlight exposure, video and sound capabilities, user guidance on machine screen
<b>Printer:</b>	Thermal printer

## RECOGNITION

<b>Recognition technology</b>	TOMRA Flow Technology™ (360° instant recognition, shape recognition, full container detection, barcode recognition, metal detection)
<b>Speed capability*</b>	Up to 45 containers per minute

## STORAGE CAPACITY\*

<b>Accepted containers</b>	Up to 3 types of non-reusable containers: plastic bottles, cans and glass bottles or a mix
<b>Storage capacity per bin<sup>3</sup></b>	<b>Plastic bottles:</b> Up to 1400 (compacted) <b>Cans:</b> Up to 5100 (compacted) <b>Glass bottles:</b> Up to 300 (crushed)
<b>Container sizes</b>	50-130 mm x 80-360 mm (D x H)

## ENVIRONMENTAL

<b>Humidity</b>	Maximum 90% relative humidity, non-condensing
<b>Temperature<sup>2</sup></b>	Standard: 0° C to +40° C / 32° F to +104° F With heater: -20° C to +40° C / -4° F to +104° F, functionality tested and functional performance verified according to EN 60204-1:2018
<b>Noise<sup>3</sup></b>	<b>PET bottles (compactor):</b> Lw = 79.3 dBA / Lp,d@1m = 62,3 dBA* (*All values ± 4dB). <b>Aluminum cans (compactor):</b> Lw = 78.7 dBA / Lp,d@1m = 61,7 dBA* (*All values ± 4dB). <b>Glass bottles (glass crusher):</b> Lw = 92.5 dBA / Lp,d@1m = 75,5 dBA* (*All values ± 4dB).
<b>IP code</b>	IPX4 according to EN 60529

## ELECTRICAL

<b>Power consumption</b>	Idle 61 W - Max. 2.8 kW (1-ph) Idle 61 W - Max. 3.7 kW (3-ph)
<b>Mains EU</b>	400V AC, 3-phase w/ground, 50Hz, 16A 230V AC, 1-phase w/ground, 50Hz, 13-15A

## CONNECTIVITY

<b>External IT interface</b>	LAN (Ethernet TCP/IP), POS compatible
<b>Digital tools</b>	Fully compatible with TOMRA's portfolio of digital products and APIs

- \* May vary by container type, country, deposit regulations, system configuration, and requirements.
- <sup>1</sup> Compactor selection may depend on the selected type of power supply on the machine (1ph/3ph)
- <sup>2</sup> The enclosure of the product fulfill the demand for an indoor and outdoor placement as a type 3R product according to UL 50E. For Europe the product complies with IPX4 according to EN60529
- <sup>3</sup> Measurements were performed based on ISO 9614-2



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**TOMRA CERTIFICATION**  
TOMRA SYSTEMS ASA has implemented and maintains a Quality and Environmental Management System which fulfils Nemko's provisions for Management System Certification and the requirements of standards NS-EN ISO 9001:2015 and NS-EN ISO 14001:2015, with the scope described by the organization on 2018-05-29. The certification covers the development and delivery of automated systems for recycling.

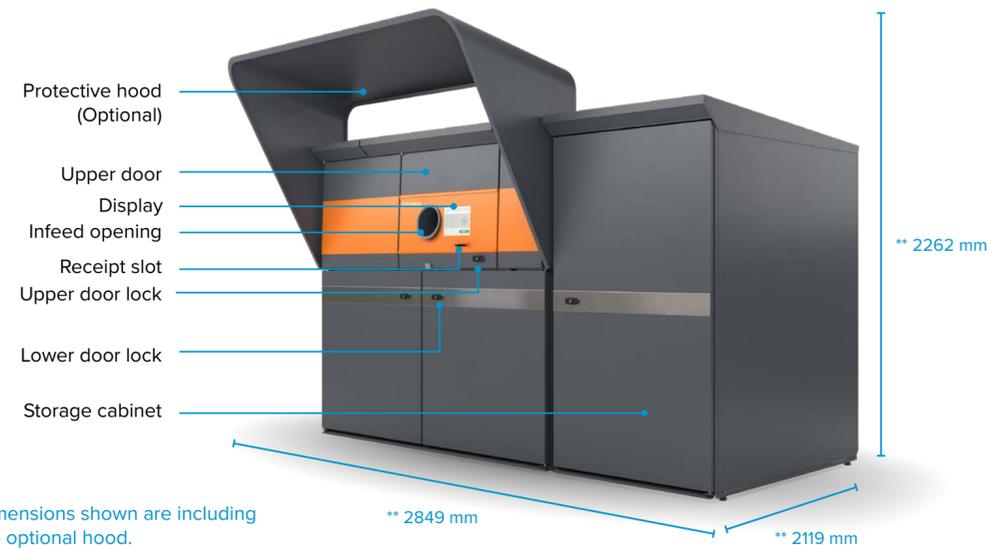


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# TOMRA S2 Rugged Plus™

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\*\* Dimensions shown are including the optional hood.



## MEASUREMENTS

<b>Dimensions [W x D x H]</b>	2849 mm x 1489 mm x 1794 mm
<b>Infeed height</b>	1210 mm
<b>Footprint</b>	4.24 sqm
<b>Weight</b>	733 kg

## STANDARD CONFIGURATION

<b>Machine type</b>	Standalone reverse vending machine + storage cabinet
<b>Bin unload direction</b>	Front unload
<b>Number of cabinets &amp; bins</b>	2 cabinets and 2 bins (2 x EU 1/1 pallet inside)
<b>Compactors<sup>1</sup></b>	PET crusher / Can crusher / Mix crusher / Glass crusher and Drop
<b>Colors</b>	RAL 7024 (possible to wrap machine for a custom look)
<b>User interface</b>	<b>Display:</b> 10,4" touch display with high brightness, suitable for direct sunlight exposure, video and sound capabilities, user guidance on machine screen
<b>Printer:</b>	Thermal printer

## RECOGNITION

<b>Recognition technology</b>	TOMRA Flow Technology™ (360° instant recognition, shape recognition, full container detection, barcode recognition, metal detection)
<b>Speed capability*</b>	Up to 45 containers per minute

## STORAGE CAPACITY\*

<b>Accepted containers</b>	Up to 3 types of non-reusable containers: plastic bottles, cans and glass bottles or a mix
<b>Storage capacity per bin</b>	<b>Plastic bottles:</b> Up to 1400 (compacted) <b>Cans:</b> Up to 5100 (compacted) <b>Glass bottles:</b> Up to 300 (crushed)
<b>Container sizes</b>	50-130 mm x 80-360 mm (D x H)

## ENVIRONMENTAL

<b>Humidity</b>	Maximum 90% relative humidity, non-condensing
<b>Temperature<sup>2</sup></b>	Standard: 0° C to +40° C / 32° F to +104° F With heater: -20° C to +40° C / -4° F to +104° F, functionality tested and functional performance verified according to EN 60204-1:2018
<b>Noise<sup>3</sup></b>	<b>PET bottles (compactor):</b> Lw = 79.3 dBA / Lp,d@1m = 62,3 dBA* (*All values ± 4dB). <b>Aluminum cans (compactor):</b> Lw = 78.7 dBA / Lp,d@1m = 61,7 dBA* (*All values ± 4dB). <b>Glass bottles (glass crusher):</b> Lw = 92.5 dBA / Lp,d@1m = 75,5 dBA* (*All values ± 4dB).
<b>IP code</b>	IPX4 according to EN 60529

## ELECTRICAL

<b>Power consumption</b>	Idle 61 W - Max. 2.8 kW (1-ph) Idle 61 W - Max. 3.7 kW (3-ph)
<b>Mains EU</b>	400V AC, 3-phase w/ground, 50Hz, 16A 230V AC, 1-phase w/ground, 50Hz, 13-15A

## CONNECTIVITY

<b>External IT interface</b>	LAN (Ethernet TCP/IP), POS compatible
<b>Digital tools</b>	Fully compatible with TOMRA's portfolio of digital products and APIs

- \* May vary by container type, country, deposit regulations, system configuration, and requirements.
- <sup>1</sup> Compactor selection may depend on the selected type of power supply on the machine (1ph/3ph)
- <sup>2</sup> The enclosure of the product fulfill the demand for an indoor and outdoor placement as a type 3R product according to UL 50E. For Europe the product complies with IPX4 according to EN60529
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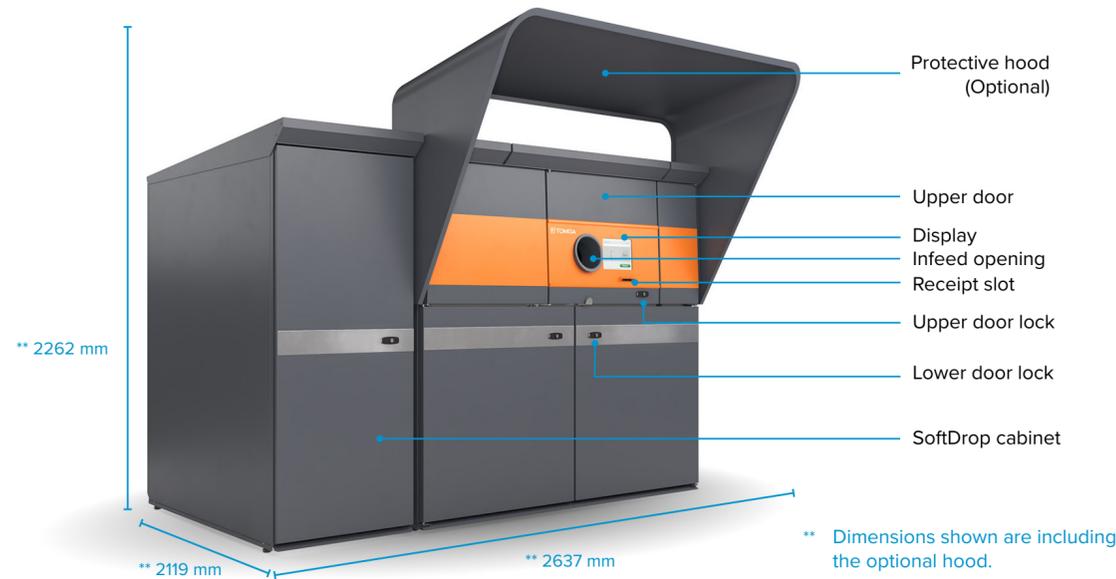


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# TOMRA S2 Rugged Plus™

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## MEASUREMENTS

<b>Dimensions [W x D x H]</b>	2637 mm x 1489 mm x 1794 mm
<b>Infeed height</b>	1210 mm
<b>Footprint</b>	4.24 sqm
<b>Weight</b>	803 kg

## STORAGE CAPACITY\*

<b>Accepted containers</b>	Non-reusable and reusable plastic bottles and glass bottles, and cans or mix
<b>Storage capacity per bin</b>	<b>Plastic bottles:</b> Up to 1400 (compacted) <b>Cans:</b> Up to 5100 (compacted) <b>Glass bottles:</b> Up to 230
<b>Container sizes</b>	50-130 mm x 80-360 mm (D x H)

## CONNECTIVITY

<b>External IT interface</b>	LAN (Ethernet TCP/IP), POS compatible
<b>Digital tools</b>	Fully compatible with TOMRA's portfolio of digital products and APIs

- \* May vary by container type, country, deposit regulations, system configuration, and requirements.
- <sup>1</sup> Compactor selection may depend on the selected type of power supply on the machine (1ph/3ph)
- <sup>2</sup> The enclosure of the product fulfill the demand for an indoor and outdoor placement as a type 3R product according to UL 50E. For Europe the product complies with IPX4 according to EN60529
- <sup>3</sup> Measurements were performed based on ISO 9614-2

## STANDARD CONFIGURATION

<b>Machine type</b>	Standalone reverse vending machine + SoftDrop cabinet
<b>Bin unload direction</b>	Front unload
<b>Number of cabinets &amp; bins</b>	2 cabinets and 2 bins (2 x EU 1/1 pallet inside and 1 x SoftDrop)
<b>Compactors <sup>1</sup></b>	PET crusher / Can crusher / Mix crusher / Glass crusher and Drop + SoftDrop
<b>Colors</b>	RAL 7024 (possible to wrap machine for a custom look)
<b>User interface</b>	<b>Display:</b> 10,4" touch display with high brightness, suitable for direct sunlight exposure, video and sound capabilities, user guidance on machine screen
<b>Printer:</b>	Thermal printer

## ENVIRONMENTAL

<b>Humidity</b>	Maximum 90% relative humidity, non-condensing
<b>Temperature <sup>2</sup></b>	Standard: 0° C to +40° C / 32° F to +104° F With heater: -20° C to +40° C / -4° F to +104° F, functionality tested and functional performance verified according to EN 60204-1:2018
<b>Noise <sup>3</sup></b>	<b>PET bottles (compactor):</b> Lw = 79.3 dBA / Lp,d@1m = 62,3 dBA* (*All values ± 4dB). <b>Aluminum cans (compactor):</b> Lw = 78.7 dBA / Lp,d@1m = 61,7 dBA* (*All values ± 4dB). <b>Glass bottles (glass crusher):</b> Lw = 92.5 dBA / Lp,d@1m = 75,5 dBA* (*All values ± 4dB).
<b>IP code</b>	IPX4 according to EN 60529

## RECOGNITION

<b>Recognition technology</b>	TOMRA Flow (360° instant recognition - shape, smart barcode, weight, and metal detection)
<b>Speed capability *</b>	Up to 45 containers per minute

## ELECTRICAL

<b>Power consumption</b>	Idle 61 W - Max. 2.8 kW (1-ph) Idle 61 W - Max. 3.7 kW (3-ph)
<b>Mains EU</b>	400V AC, 3-phase w/ground, 50Hz, 16A 230V AC, 1-phase w/ground, 50Hz, 13-15A



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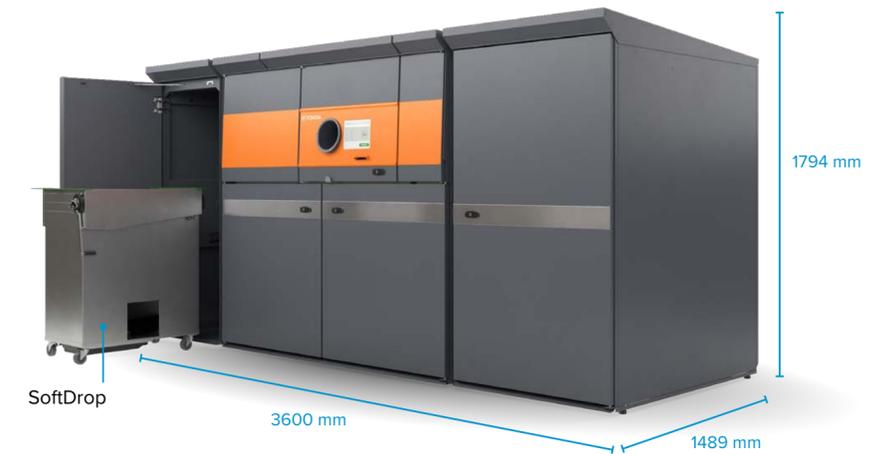
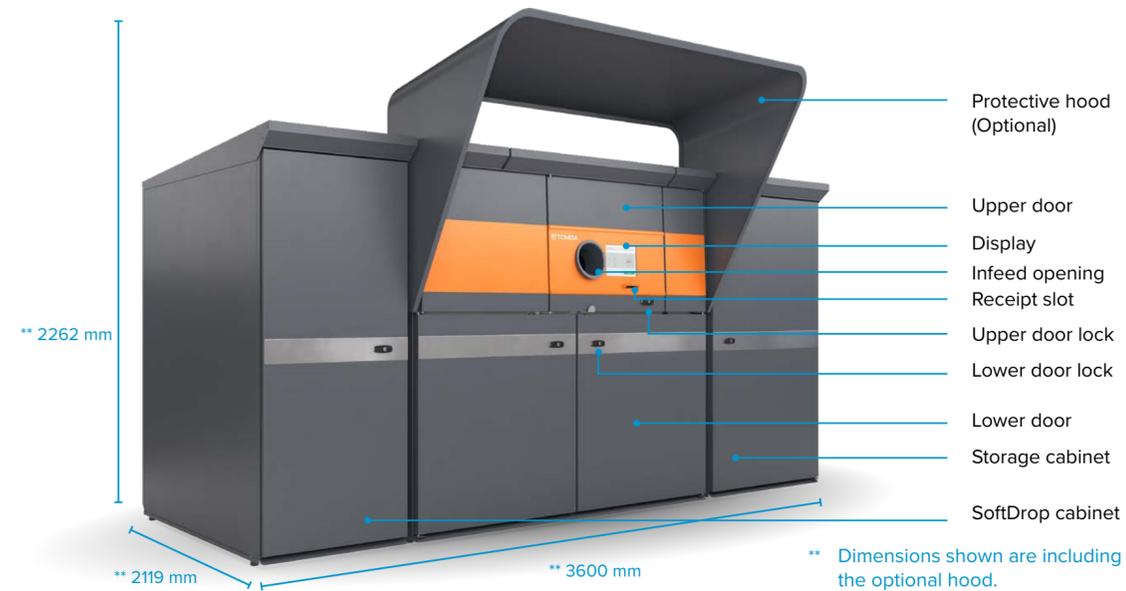


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# TOMRA S2 Rugged Plus™

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## MEASUREMENTS

<b>Dimensions [W x D x H]</b>	3600 mm x 1489 mm x 1794 mm
<b>Infeed height</b>	1210 mm
<b>Footprint</b>	5.36 sqm
<b>Weight</b>	968 kg

## STANDARD CONFIGURATION

<b>Machine type</b>	Standalone reverse vending machine + storage cabinet + SoftDrop cabinet
<b>Bin unload direction</b>	Front unload
<b>Number of cabinets &amp; bins</b>	3 cabinets and 2 bins (2 x EU 1/1 pallet inside and 1 x SoftDrop)
<b>Compactors<sup>1</sup></b>	PET crusher / Can crusher / Mix crusher / Glass crusher and Drop + SoftDrop
<b>Colors</b>	RAL 7024 (possible to wrap machine for a custom look)
<b>User interface</b>	<b>Display:</b> 10,4" touch display with high brightness, suitable for direct sunlight exposure, video and sound capabilities, user guidance on machine screen
<b>Printer:</b>	Thermal printer

## RECOGNITION

<b>Recognition technology</b>	TOMRA Flow (360° instant recognition - shape, smart barcode, weight, and metal detection)
<b>Speed capability<sup>*</sup></b>	Up to 45 containers per minute

## STORAGE CAPACITY\*

<b>Accepted containers</b>	Non-reusable and reusable plastic bottles and glass bottles, and cans or mix
<b>Storage capacity per bin</b>	<b>Plastic bottles:</b> Up to 1400 (compacted) <b>Cans:</b> Up to 5100 (compacted) <b>Glass bottles:</b> Up to 230
<b>Container sizes</b>	50-130 mm x 80-360 mm (D x H)

## ENVIRONMENTAL

<b>Humidity</b>	Maximum 90% relative humidity, non-condensing
<b>Temperature<sup>2</sup></b>	Standard: 0° C to +40° C / 32° F to +104° F With heater: -20° C to +40° C / -4° F to +104° F, functionality tested and functional performance verified according to EN 60204-1:2018
<b>Noise<sup>3</sup></b>	<b>PET bottles (compactor):</b> Lw = 79.3 dBA / Lp,d@1m = 62,3 dBA* (*All values ± 4dB). <b>Aluminum cans (compactor):</b> Lw = 78.7 dBA / Lp,d@1m = 61,7 dBA* (*All values ± 4dB). <b>Glass bottles (glass crusher):</b> Lw = 92.5 dBA / Lp,d@1m = 75,5 dBA* (*All values ± 4dB).
<b>IP code</b>	IPX4 according to EN 60529

## ELECTRICAL

<b>Power consumption</b>	Idle 61 W - Max. 2.8 kW (1-ph) Idle 61 W - Max. 3.7 kW (3-ph)
<b>Mains EU</b>	400V AC, 3-phase w/ground, 50Hz, 16A 230V AC, 1-phase w/ground, 50Hz, 13-15A

## CONNECTIVITY

<b>External IT interface</b>	LAN (Ethernet TCP/IP), POS compatible
<b>Digital tools</b>	Fully compatible with TOMRA's portfolio of digital products and APIs

- \* May vary by container type, country, deposit regulations, system configuration, and requirements.  
<sup>1</sup> Compactor selection may depend on the selected type of power supply on the machine (1ph/3ph)  
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## TOMRA Collection

TOMRA Collection is part of the TOMRA Group, which is Leading the Resource Revolution by transforming how we obtain, use, and reuse our world's resources.

With installations across the world, retailers and consumers rely on our reverse vending machines to collect used bottles and cans that can be recycled into new containers.

Clean Loop Recycling is the easy and rewarding way to make choices that make change.

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