



T9

with EasyPac

Make it a perfect fit for your store



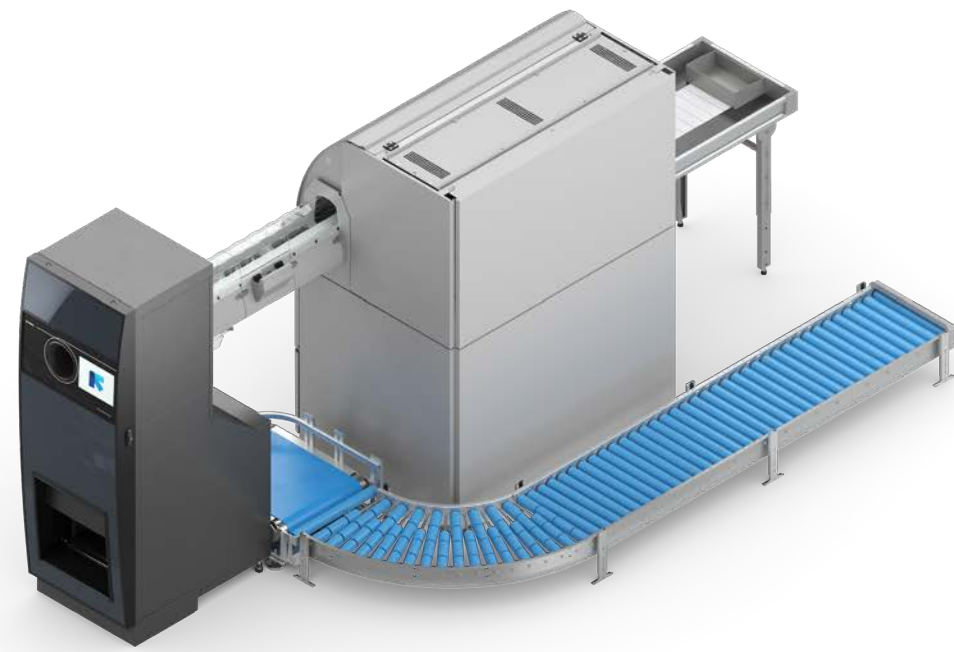
FLEXIBLE LINE



Make it easy for your customers

Ensure speedy returns of non-refillable or refillable containers and entire crates of refillables even during peak hours with the T9's industry-leading TOMRA Flow and True Vision recognition technologies. Plus, the EasyPac bin re-routing function keeps the T9 available to customers even when a bin is full.*

* Requires minimum two storage bins per material type



Make it work in any space

Configure the TOMRA T9 with the new EasyPac to fit your store layout for maximum space efficiency, while also matching your store's volume and mix of recyclables, whether you need one or six storage cabinets.

Save staff time with the all-new EasyPac backroom

New ultrasonic sensor technology, completely redesigned core modules, sturdier parts, and improved user interfaces make cleaning and troubleshooting easier than ever, while minimizing the accumulation of debris inside the equipment.



The all-new EasyPac: Overview of key improvements

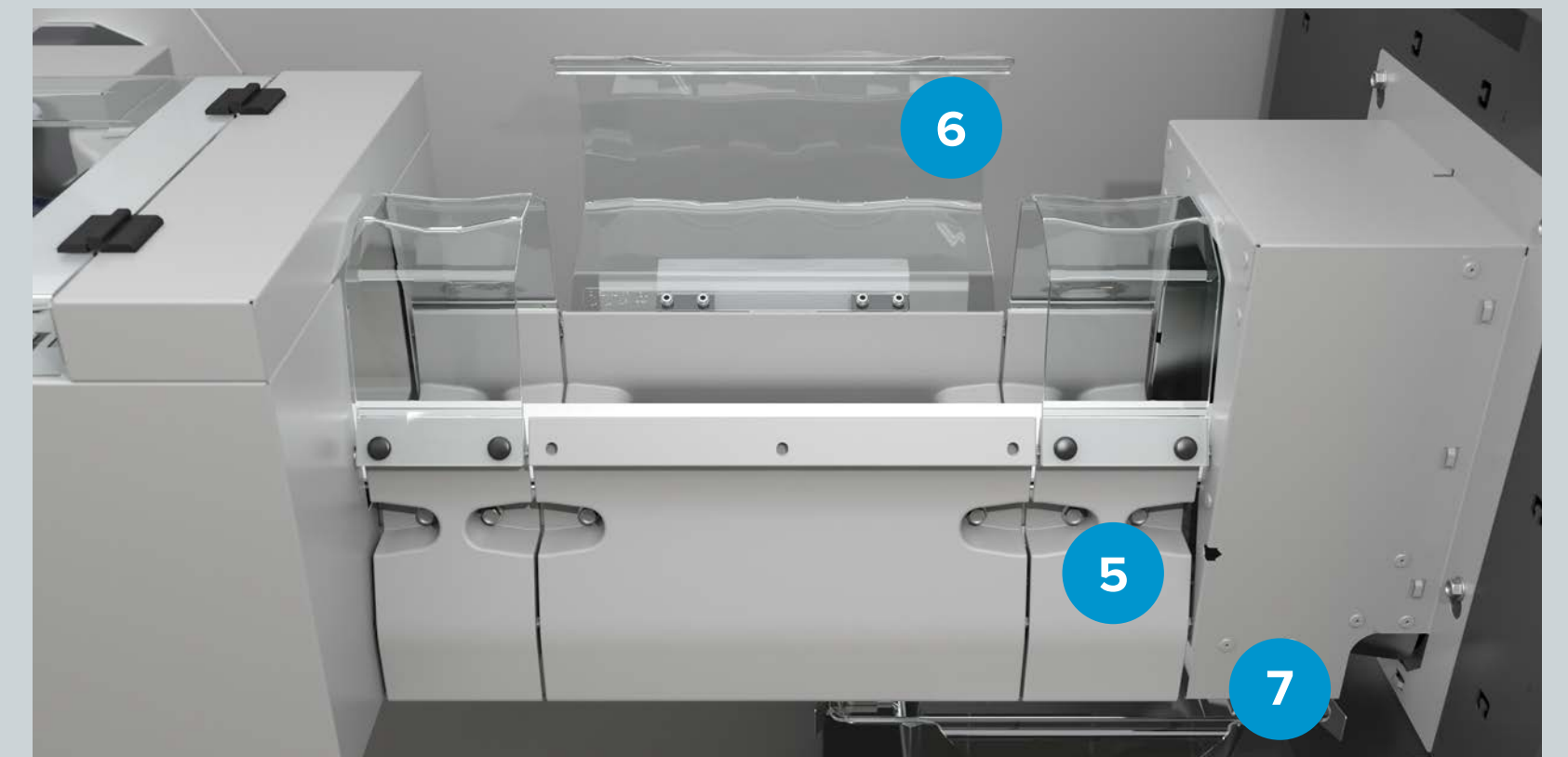
Storage cabinet

1. New ultrasonic cells for improved object detection.
2. New, cleaner-looking panels that cover the chains and compactors, exposing only parts to be cleaned.
3. Fewer areas where dirt and debris can accumulate.
4. No tunnels inside the cabinet for easy access for cleaning and error handling.



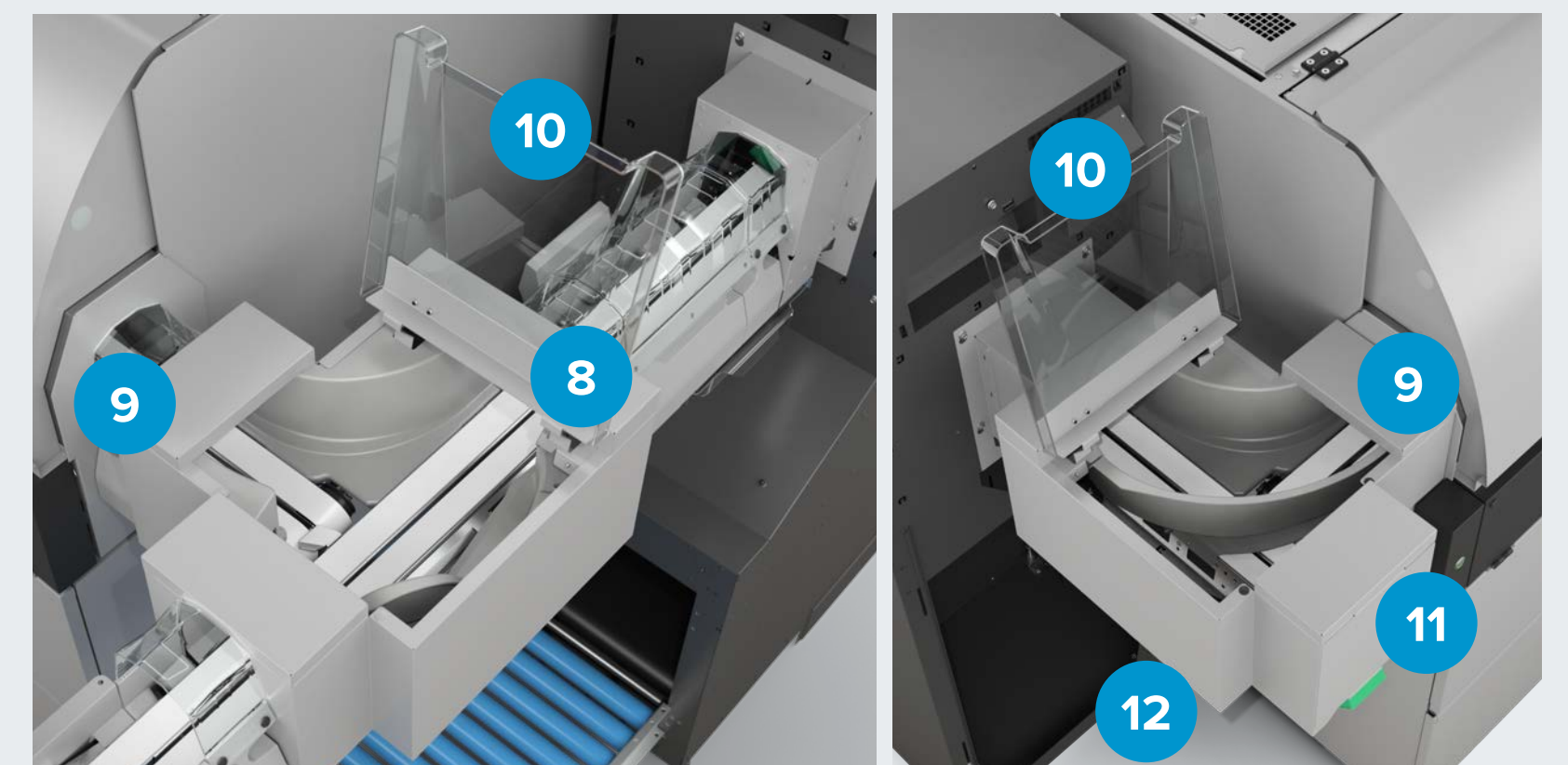
Tunnels

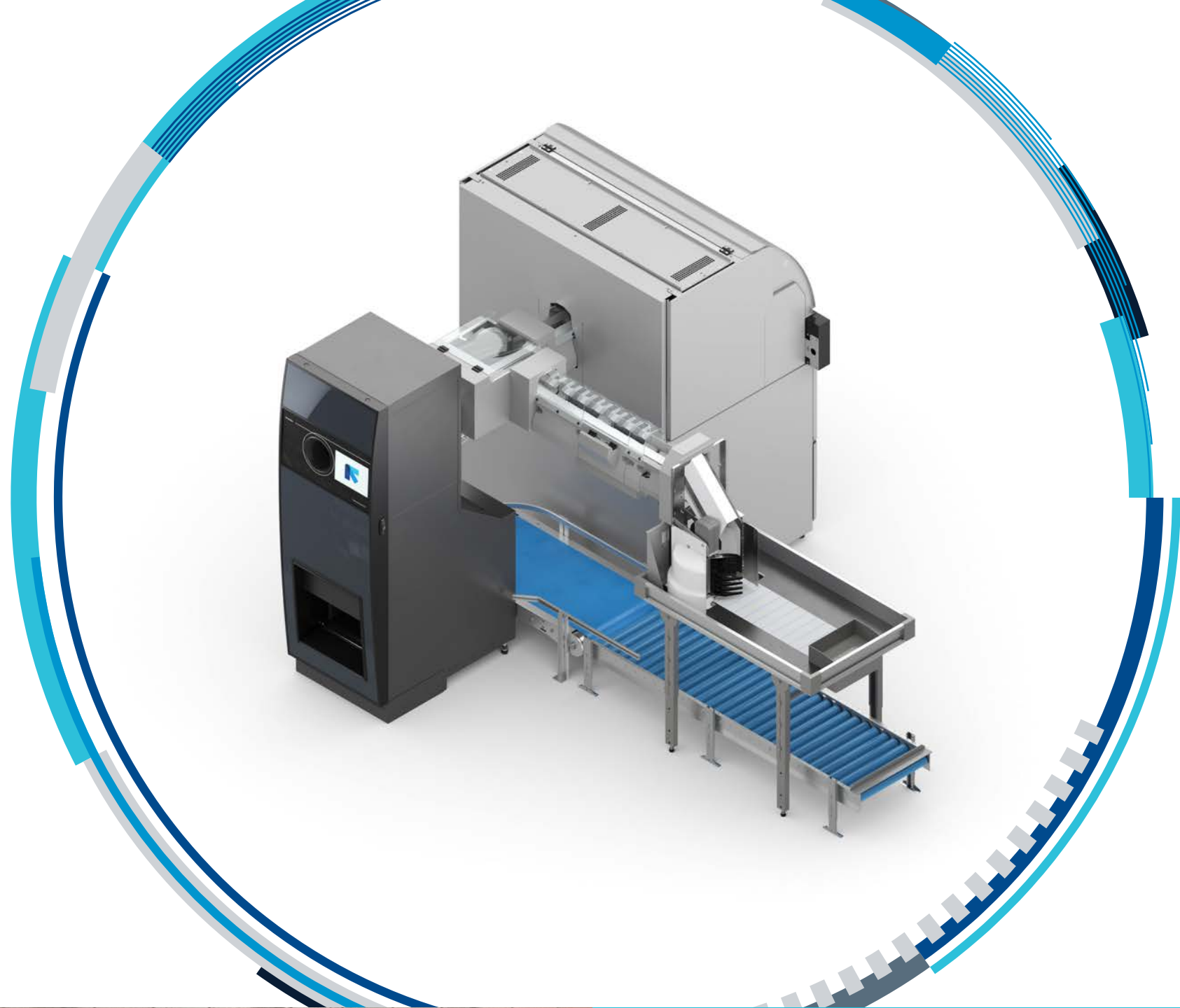
5. New tunnel segments with smooth surfaces inside and out, less ridges and reduced surface area near the conveyor belts to ease cleaning and boost performance.
6. New tunnel hatch module with smooth surfaces and a larger lid for easier cleaning access.
7. New and larger spill tray that is easier to clean.



Turn* & Turnout^Δ

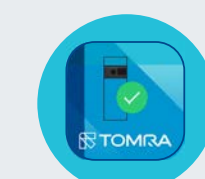
8. New ultrasonic cells for improved object detection.^Δ
9. New design with improved visual appearance and smooth surfaces.*^Δ
10. Larger and transparent lid for easy inspection.*^Δ
11. New debris tray to collect dirt and debris.*
12. No support leg needed when installed less than 0.5m from the cabinet.*





Endless customization for optimal operations

Tailor your T9 EasyPac to fit your store's unique needs, from the right mix of recyclables and backroom configuration to the T9 exterior and customer interface. We can update your system at any time so your reverse vending system serves you well over the long term, even as your needs evolve.



Notify+Assist



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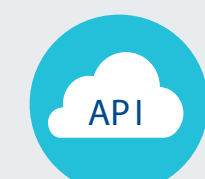
Voucher Control



Promotion



Weekly Reports



API Integration

Fully connected for a smarter experience

Make your T9 EasyPac even more powerful without using more space by using TOMRA's APIs and off-the-shelf digital tools to engage customers, drive sales and run your reverse vending systems more efficiently.

Retailers play a key role in transforming the way society handles valuable resources

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 T9

Bottle™

MEASUREMENTS*

Dimensions [W x D x H]	605 mm x 667 mm x 1704 mm +238mm
Infeed height¹	Factory preset/lowest: 1332/1310 mm with EasyPac backroom
Adjustment range for height	38 mm (1704-1942)
Footprint	0.4 sqm
Weight	119 kg

STANDARD CONFIGURATION*

Machine type	Consumer-facing reverse vending machine
Colors	Light grey NCS S3005-R80B, dark grey NCS S7005-R80B, red NCS S1580-Y90R, and black. Choose between glossy or matte (front door) Custom color and décor print upon request
User interface	Display: 10.4" touch display, video and sound capabilities, user guidance on machine screen Printer: Thermal printer
Optional configurations	Short door for wall mount, wall frames, robust MMI, bag hook, extended infeed cone, extended infeed cone w/light guidance, side or front lock, power socket, poster holder door front, donation, electronic receipt, bottle guards, infeed conveyor side guides, and loyalty card reader
Compatible backroom products	EasyPac, MultiPac and MultiPac Air

RECOGNITION

Recognition technology	TOMRA Flow Technology™ (360° instant recognition, shape recognition, full container detection, barcode recognition, and metal detection)
Accepted containers	Non-refillable and refillable plastic bottles, non refillable and refillable glass bottles, and cans.
Speed capability²	Up to 60 containers per minute
Container sizes	Bottle size: Diameter 50-130 mm, height 85-380 mm Can size: Diameter 50-100 mm, height 80-200 mm
Optional features	Security mark recognition (market specific)

ENVIRONMENTAL

Humidity	Maximum 90% relative humidity, non-condensing
Temperature	+10°C to +40°C / / +50°F to 104°F The machine has been designed for indoor use
Noise	Equivalent continuous sound pressure: LAeq < 75 dB

ELECTRICAL

Power consumption	Idle 45W, max 285 W
Mains	230 V AC 1-phase w/ground 50 Hz, min 10A, max 16A

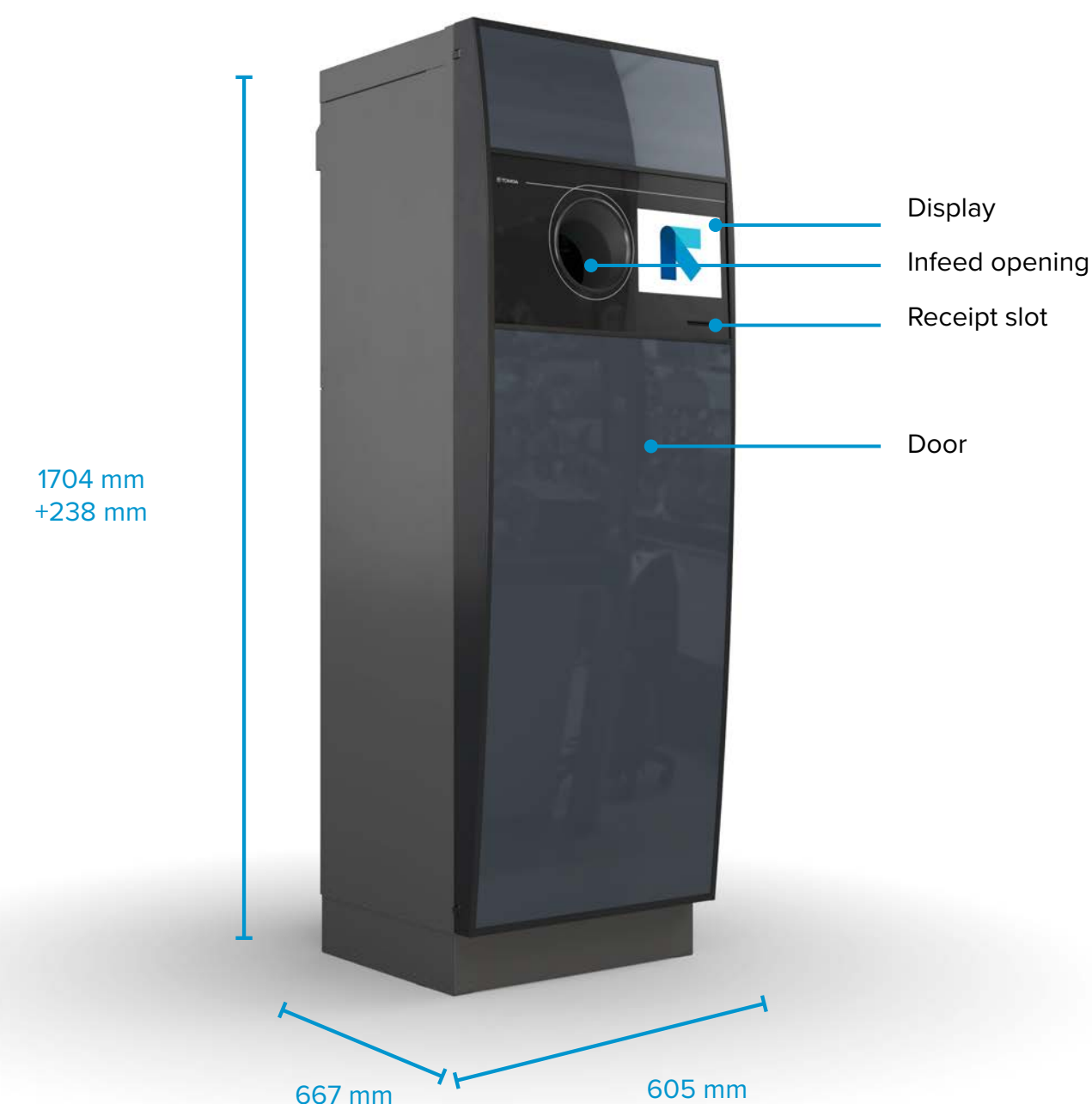
CONNECTIVITY

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

* May vary in different countries due to variations in beverage container materials, shapes and sizes.

¹ To bottom of infeed cone.

² Performance data may vary across markets, deposit regulations and system requirements.



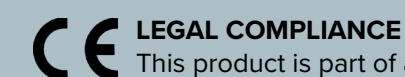
TOMRA

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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.



LEGAL COMPLIANCE

This product is part of a configurable system of machine components. When assembled on installation site, tested and connected to the grid, the installation must be labelled and have the CE mark affixed. The CE marking is based on the following European.

Directives:
2006/42/EU, Community Legislation on Machinery.
2014/30/EU, Electromagnetic Compatibility (EMC).
2011/65/EU, Restrictions of Hazardous Substance (RoHS).
2012/19/EU, Waste Electrical and Electronic Equipment (WEEE).

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TOMRA T9

Bottle Crate™

MEASUREMENTS*

Dimensions [W x D x H]	605 mm x 953 mm x 1768 mm +174mm
Infeed height¹	Factory preset/lowest: 1332/1310 mm with EasyPac backroom
Adjustment range for height	174 mm (1768-1942)
Footprint	0.6 sqm
Weight	200 kg

STANDARD CONFIGURATION*

Machine type	Consumer-facing reverse vending machine
Colors	Light grey NCS S3005-R80B, dark grey NCS S7005-R80B, red NCS S1580-Y90R, and black. Choose between glossy or matte (front door) Custom color and décor print upon request
User interface	Display: 10.4" touch display, video and sound capabilities, user guidance on machine screen Printer: Thermal printer
Optional configurations	Wall frames, robust MMI, bag hook, extended infeed cone, extended infeed cone with light guidance, side or front lock, power socket, donation, electronic receipt, bottle guards, infeed conveyor side guides, loyalty card reader, back doors and outlet rollers (crate)
Compatible backroom products	EasyPac, MultiPac and MultiPac Air

RECOGNITION

Recognition technology	TOMRA Flow Technology™ (360° instant recognition, shape recognition, full container detection, barcode recognition, and metal detection). TOMRA True Vision™ (Crate and content detection)
Accepted containers	Non-refillable and refillable plastic bottles, non refillable and refillable glass bottles, cans and crates.
Speed capability²	Up to 60 containers per minute Up to 21 crates per minute
Container sizes	Bottle size: Diameter 50-130 mm, height 85-380 mm Can size: Diameter 50-100 mm, height 80-200 mm Crate size: Min: W: 120, H: 100, L: 120 mm/ Max: W: 405, H: 405, L: 530 mm
Optional features	Security mark recognition, full crate detector, crate color and logo detector

ENVIRONMENTAL

Humidity	Maximum 90% relative humidity, non-condensing
Temperature	+10°C to +40°C
Noise	The machine has been designed for indoor use Equivalent continuous sound pressure: LAeq < 75 dB

ELECTRICAL

Power consumption	Idle 55W, max 285 W
Mains	230 V AC 1-phase w/ground 50 Hz, min 10A, max 16A

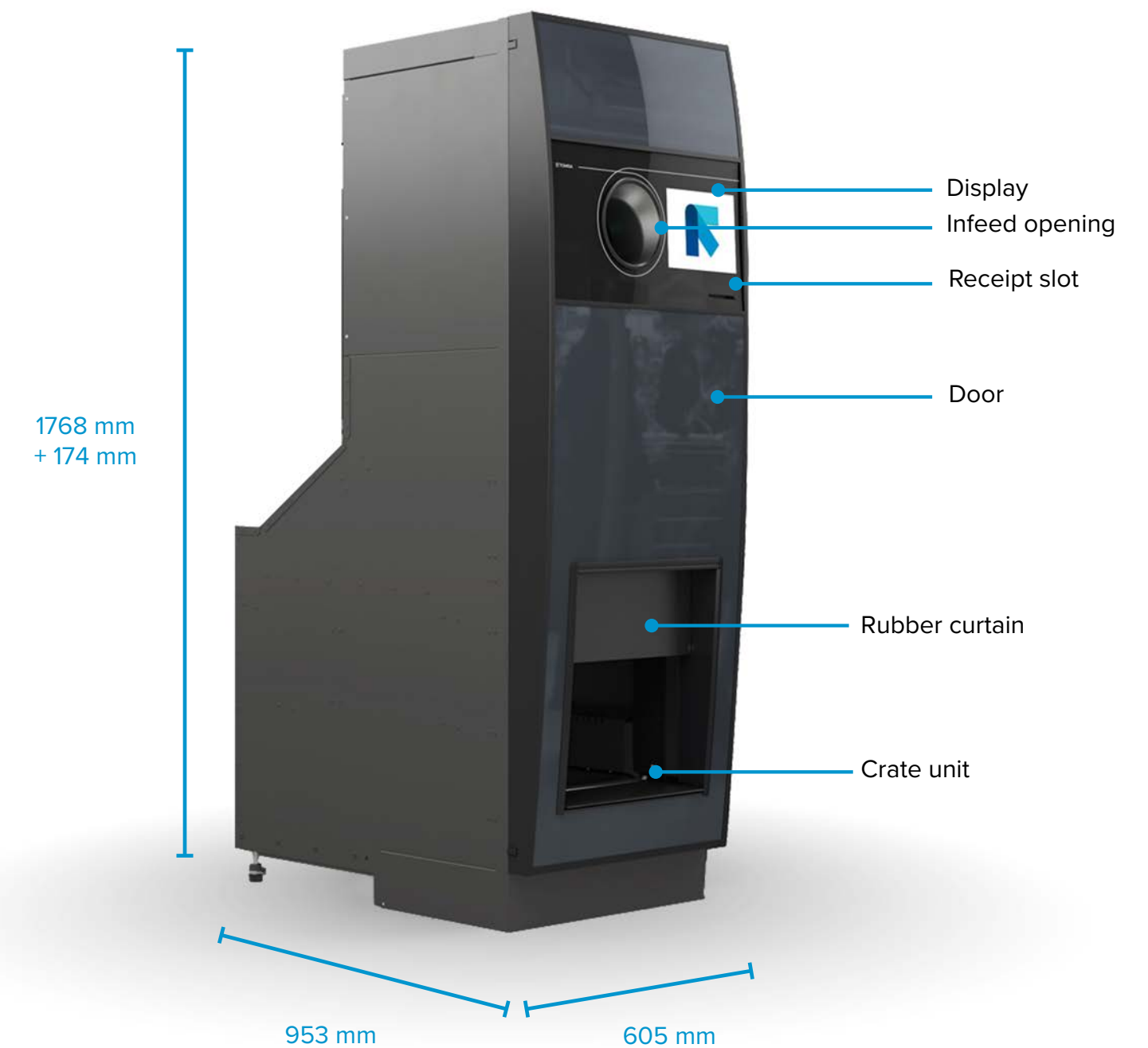
CONNECTIVITY

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

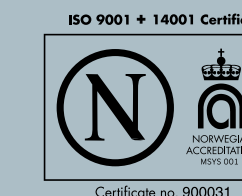
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¹ To bottom of infeed cone.

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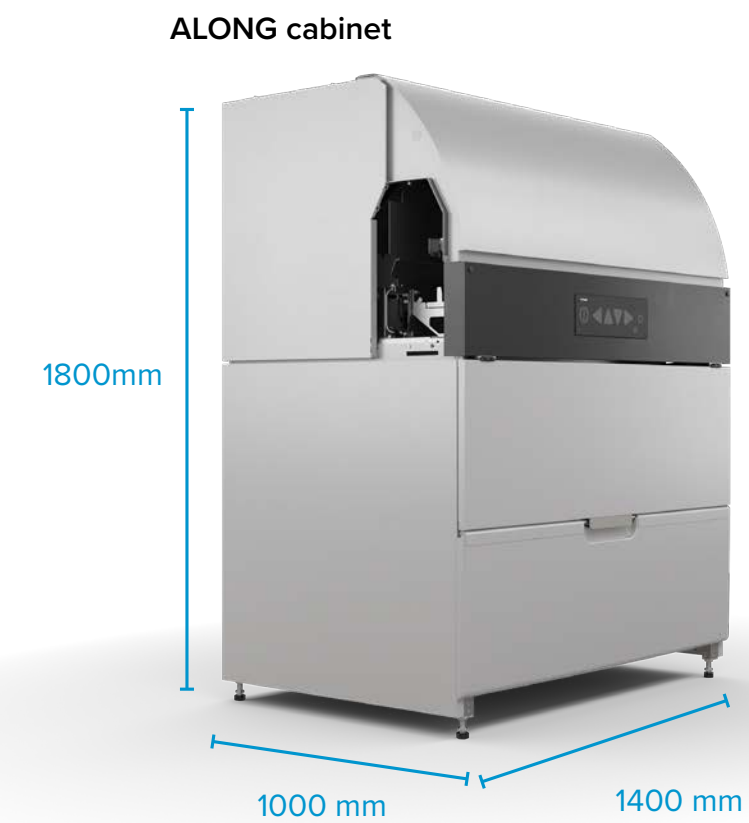
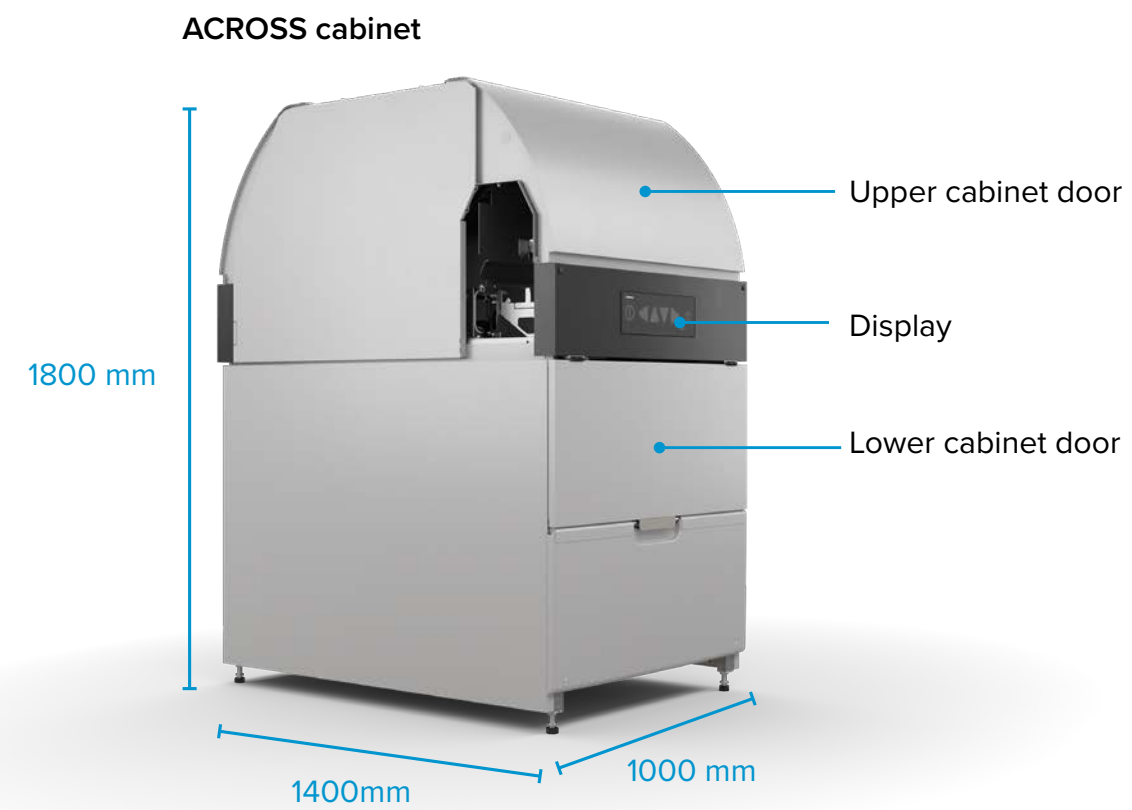
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The New EasyPac™



MEASUREMENTS (PER CABINET)*

Dimensions [W x D x H]	1400 mm x 1000 mm x 1800 mm
Footprint	1.4 sqm
Weight	260 kg

STORAGE CAPACITY (PER BIN)*

Accepted containers	Non-refillable and refillable plastic bottles, non-refillable and refillable glass bottles, and cans
Storage capacity per bin¹	PET bottles: Up to 1500 (compacted) Cans: Up to 6000 (compacted) 50/50 mixed PET bottles/cans: 2000 (compacted using mix crusher)
Container sizes	Glass bottles: Up to 400 ² Bottle size: Diameter 50-130 mm, height 85-380 mm Can size: Diameter 50-100 mm, height 80-200 mm

CONNECTIVITY

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

* May vary in different countries due to variations in beverage container materials, shapes and sizes.

¹ Approximate figures for 1x 1/1 Euro-pallet with shakedown. Capacities will vary with object mix, type and system configuration. Module availability may vary across markets.

² Weight limitation, approximate number.

³ Maximum system power usage varies with number of cabinets, compactors and system configuration

STANDARD CONFIGURATION*

Machine type	Modular backroom solution
Layout/orientation	Straight, angled right/left or with turnout (intersection)
Cabinet types	ALONG, ACROSS and ASIDE
Number of cabinets per system	Up to 6
Number of compactors per cabinet	Up to 2
Number of bins per cabinet	1 x 1/1 Euro-pallet or 2 x 1/2 Euro-pallet
Type of compactors	PET, can, mix, glass, and drop option
Bin unload direction	Long side or short side
End of lane configurations	Table with bottle raiser, end default and softdrop
Colors	Two-tone grey and black
User interface	Front display with arrows and push-button
Optional accessories	Cabinet leg protection and spill tray
Compatible consumer-facing reverse vending machines	TOMRA T9 Bottle and TOMRA T9 Bottle Crate

ENVIRONMENTAL

Humidity	Maximum 90% relative humidity, non-condensing
Temperature	+10°C to +40°C
Noise	The machine has been designed for indoor use Equivalent continuous sound pressure: LAeq < 75 dB

ELECTRICAL

Power consumption	Idle 22W, active 400 W and max 400 W
Mains	400V AC 3-phase w/ground 16A, 50 Hz



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TOMRA T9 with the new EasyPac™

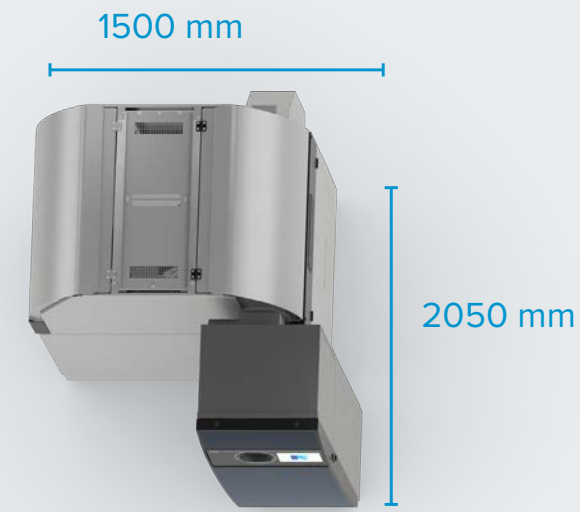
Examples of
system layout

* Rectangular envelope for system, service area not included.



T9 Bottle with EasyPac ACROSS (1 compactor)

Footprint: 3.1 sqm*



T9 Bottle with EasyPac ALONG (1 compactor / 2 compactors)

Footprint: 4.4 sqm*



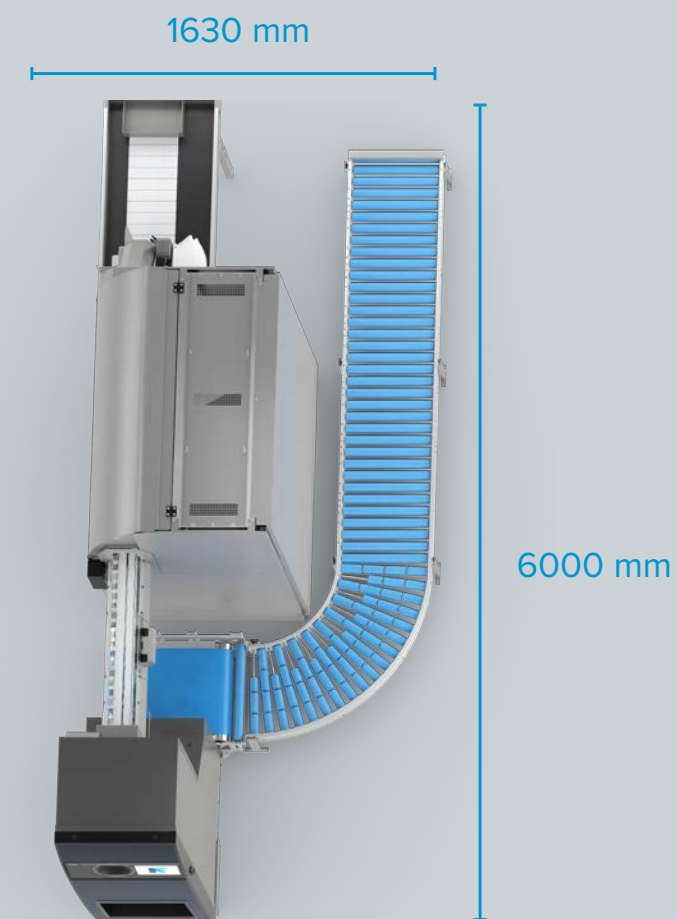
T9 Bottle with EasyPac ALONG (1 compactor)

Footprint: 6.7 sqm*



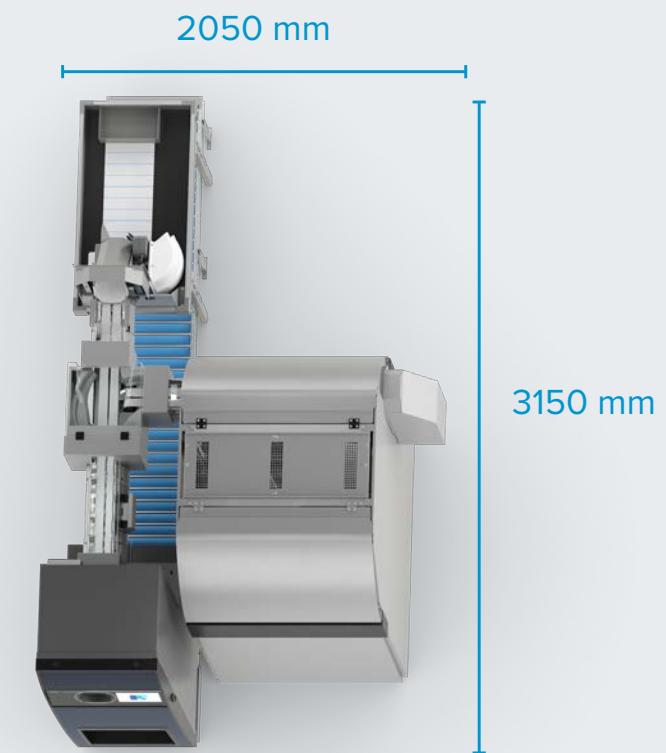
T9 Bottle Crate with EasyPac ALONG (1 compactor)

Footprint: 9.8 sqm*



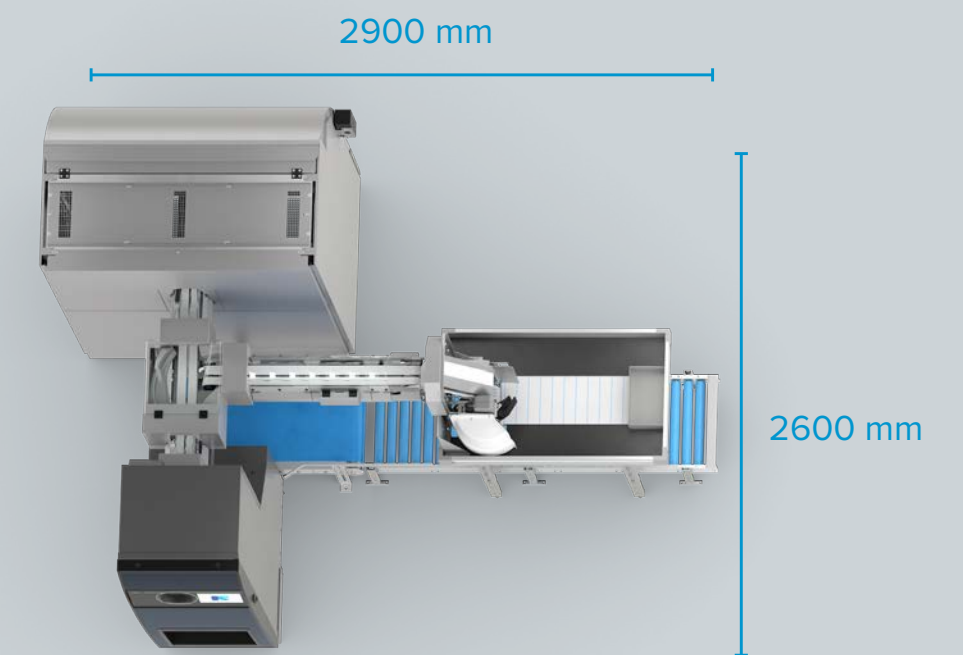
T9 Bottle Crate with EasyPac ACROSS (1 compactor)

Footprint: 6.5 sqm*



T9 Bottle Crate with EasyPac ASIDE (2 compactors)

Footprint: 7.5 sqm*



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 over 82,000 installations across more than 60 markets, retailers and consumers around the world rely on our reverse vending machines to collect more than 45 billion used bottles and cans each year, which can be recycled into new containers.

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

Get in the Loop at tomra.com

