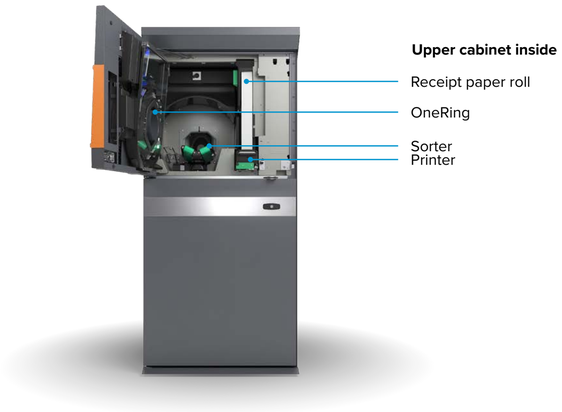
STANDALONE LINE

TOMRA S1™ Rugged

Up to the challenge, in any conditions





TOMRA M1 /ENG/11.2024

MEASUREMENTS*

Dimensions [W x D x H]	816 mm x 1100 mm x 1792 mm
Infeed height	1210 mm
Adjustment range for height	+25 mm
Footprint	0.9 sqm
Weight [1]	323 kg [1]

STANDARD CONFIGURATION*

Machine type	Standalone reverse vending machine
Bin unload direction	Front unload
Number of cabinets & bins	1 cabinet, 1 bin
Compactors *	PET crusher / Can crusher / Mix crusher (cans, PET bottles), Glass crusher. Drop for one-way glass bottles or refillable PET bottles *
Colors	RAL 7042 [possible to wrap machine for a custom look]
User interface	**Display:** 10,4'' touch display with high brightness, suitable for direct sunlight exposure, video and sound capabilities, user guidance on machine screen
Printer:	Thermal printer

* Compactor selection may depend on the selected type of power supply on the machine (1ph/3ph).

RECOGNITION

Recognition technology	TOMRA Flow Technology™ (360° instant recognition, shape recognition, full container detection, barcode recognition, metal detection)
Speed capability [2]	Up to 45 containers per minute [2]

STORAGE CAPACITY*

Accepted containers	Up to 3 types of non-refillable containers (plastic bottles, cans and glass bottles), and 1 type of refillable container (PET)
Storage capacity per bin [3-4]	**PET bottles:** Up to 1100 (compacted, 0,5l) [3] **Cans:** Up to 3200 (compacted, 0,33l) [3] **Glass bottles:** Up to 350 [4]
Container sizes (min/max size)	**Bottles:** 50-130 mm x 85-380 mm (D x H) **Cans:** 50-100 mm x 80-200 mm (D x H)

ENVIRONMENTAL

Humidity	Maximum 90% relative humidity, non-condensing
Temperature	+0°C to +40°C / +32°F to 104°F
Noise *	Glass bottles: Lw,d = 90.8 + 4 dBA / Lp,d@0.5m = 77.5 + 4 dBA PET bottles: Lw,d = 81.1 + 4 dBA / Lp,d@0.5m = 67.8 + 4 dBA Aluminum cans: Lw,d = 80.3 + 4 dBA / Lp,d@0.5m = 67.0 + 4 dBA
IP code	IPX4 according to EN 60529

* Measurements were performed based on ISO 9614-2.

ELECTRICAL

Power consumption	Idle 59 W – Max. 2 kW
Mains *	400 V 3 ph 50 Hz, 16 A fuse / 208 V 3 ph 60 Hz, 20 A fuse, C-characteristics (dedicated grounded mains supply) 230 V 1 ph 50 H, 13-16 A fuse, C-characteristics (dedicated grounded mains)

* Depending on compactor selection.

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] May vary according to packaging.
[2] Performance vary across markets, deposit regulations and system requirements.
[3] Capacities will vary with object mix, type and system configuration.
[4] Weight limited.

TOMRA

Get in the Loop at **tomra.com/reverse-vending**

ISO 9001 + 14001 Certified
Certificate no. 900031

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
The CE mark on this product confirms compliance with 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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