Optional printer

Proximity sensor

Consumer light guidance

Easy-to-read display with animations and dimming function

TOMRA

Hello, **Camilla**

Pour containers continuously

Low in-feed height

Barcode options for touch-free digital user journey
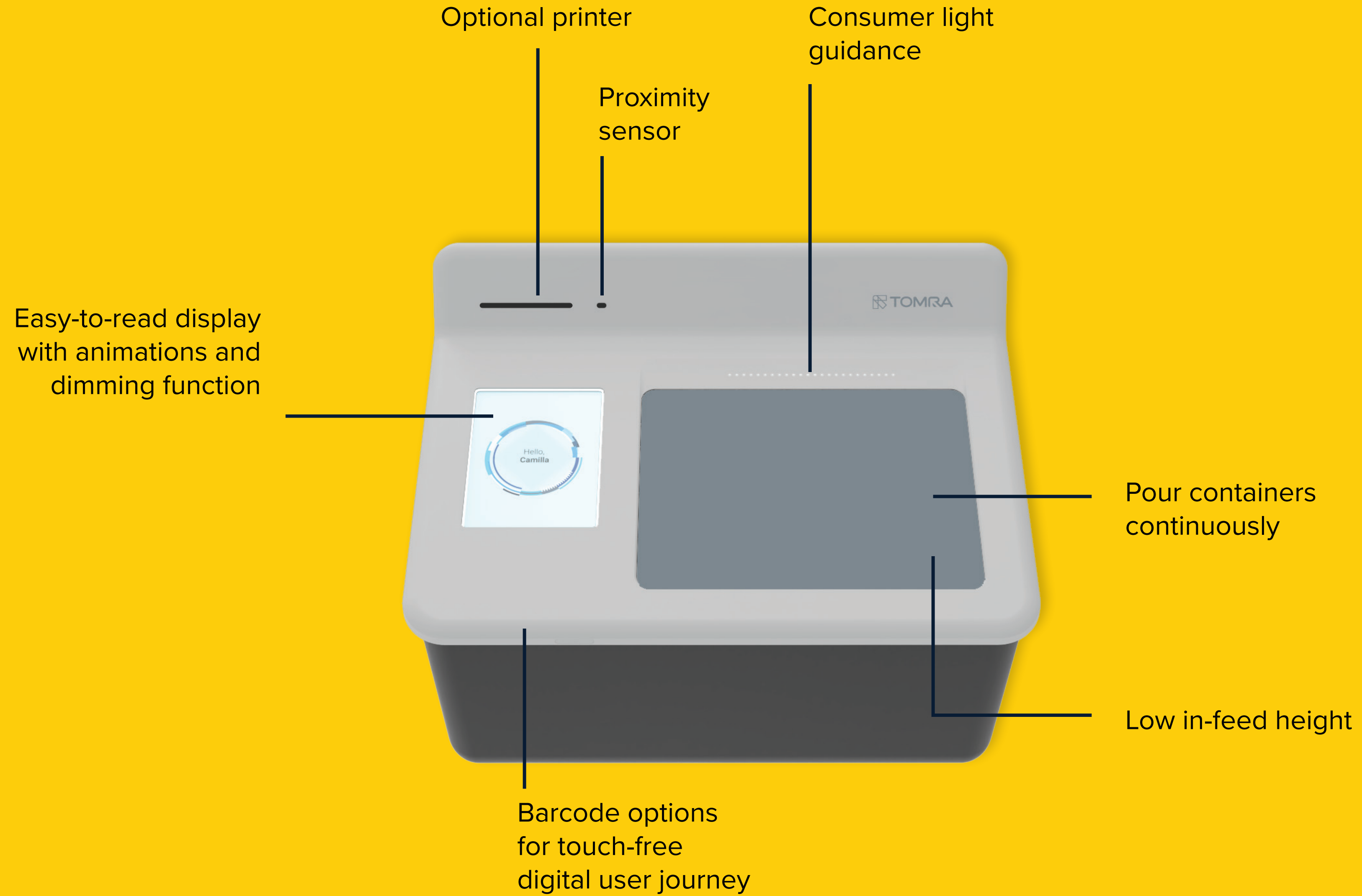
Bring the big benefits of multi-feed container returns to your store

Experience increased visits* and improved customer satisfaction* with the new TOMRA R2 multi-feed solution. It's wall-mount format and, compact design requires less space giving you more sales space, and bringing the ultimate recycling experience to even more stores.

Designed with people in mind

TOMRA R2 was designed with inclusivity in mind. With a lower in-feed and screen, plus illuminated user guidance, every aspect is crafted to accommodate users of various abilities**, ensuring that your customers can participate in recycling efforts without barriers.

Grab customers' attention and increase loyalty

The TOMRA R2´s friendly and inviting design, engaging user interface, and touch-free operations grab customers' attention. Continuous feed and new and improved drop and go function, get your customers shopping even quicker. A great all-around recycling experience keeps customers coming back*. Fast, simple, and mess-free.

Optimize operations with efficiency and ease

Perform tasks undisturbed and save time and effort walking back and forth with access to cleaning, machine maintenance, and troubleshooting, all from the backroom. Plus, pair your TOMRA R2 with TOMRA's digital tools for the most convenient way to stay one step ahead of recycling management.

*   "TOMRA R1 Consumer & Retailer insights", 2021 and "How recycling habits impact shopping behavior", 2023.

** Usability testing: wheelchair users, visual impairment, individuals with ASD.

Layout flexibility

Pair the TOMRA R2 with your existing TOMRA solutions for a smart futureproof investment. Reuse your existing TOMRA backroom solution and end-of-lane configuration kit. Install it side-by-side with your existing TOMRA single-feed solution.
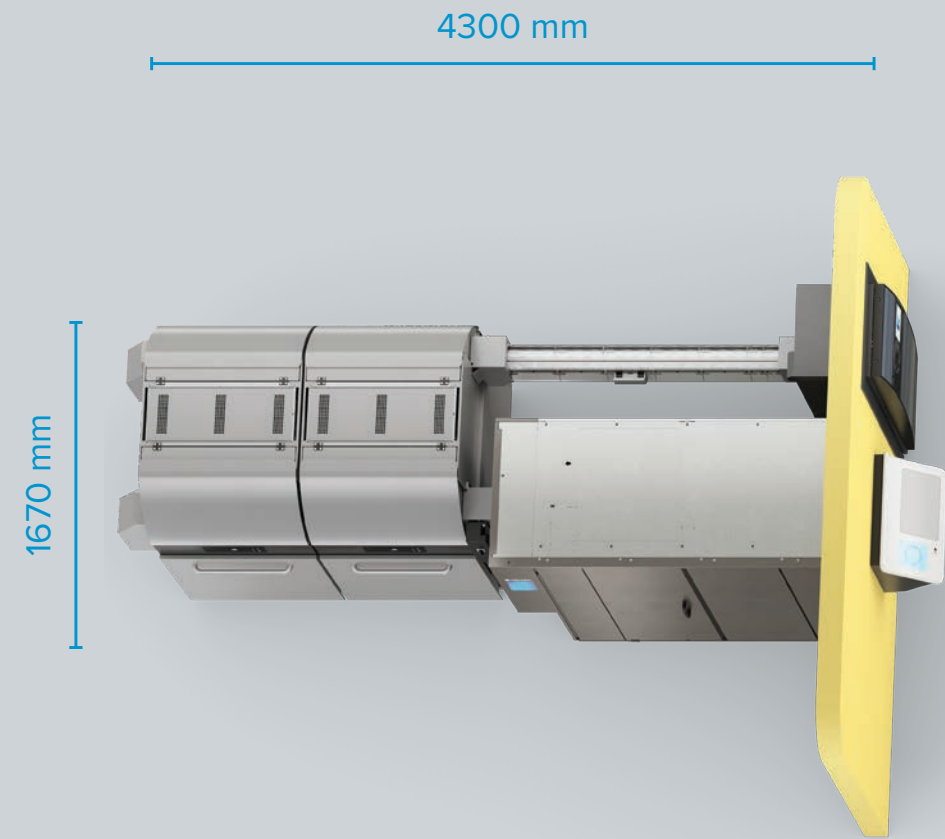
TOMRA R2 system layout options:
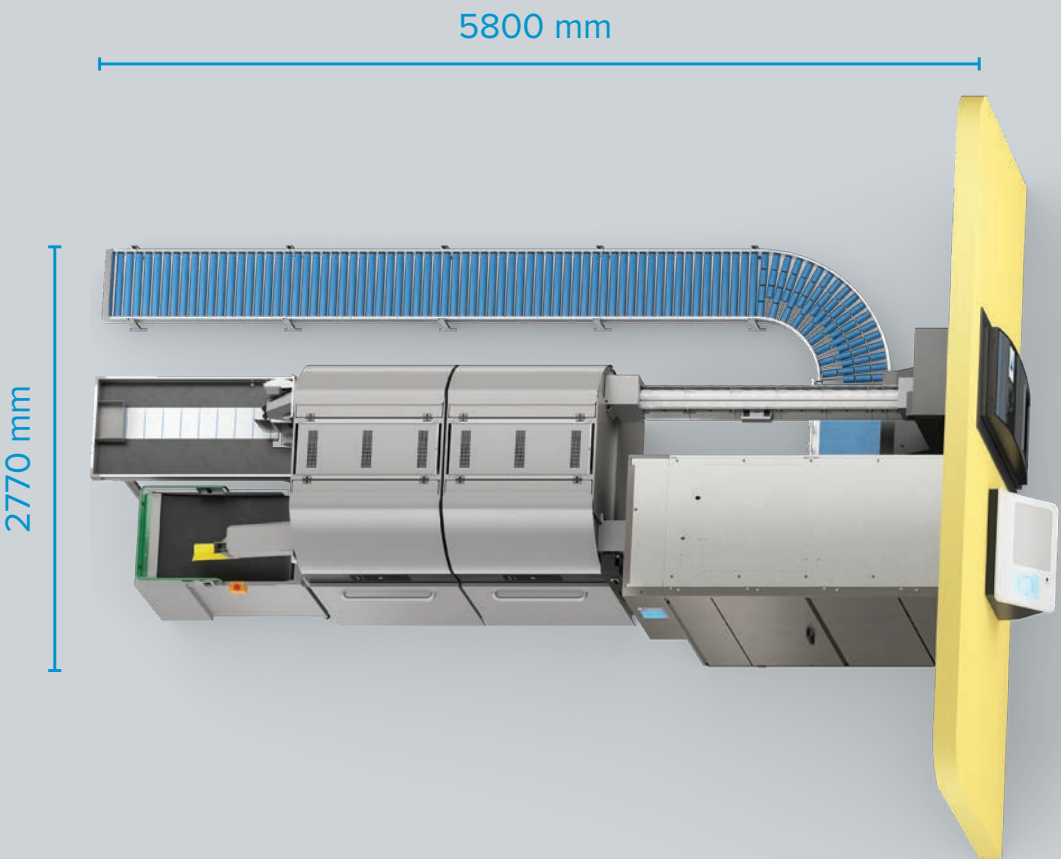
TOMRA R2 main and front unit

2100 mm

950 mm
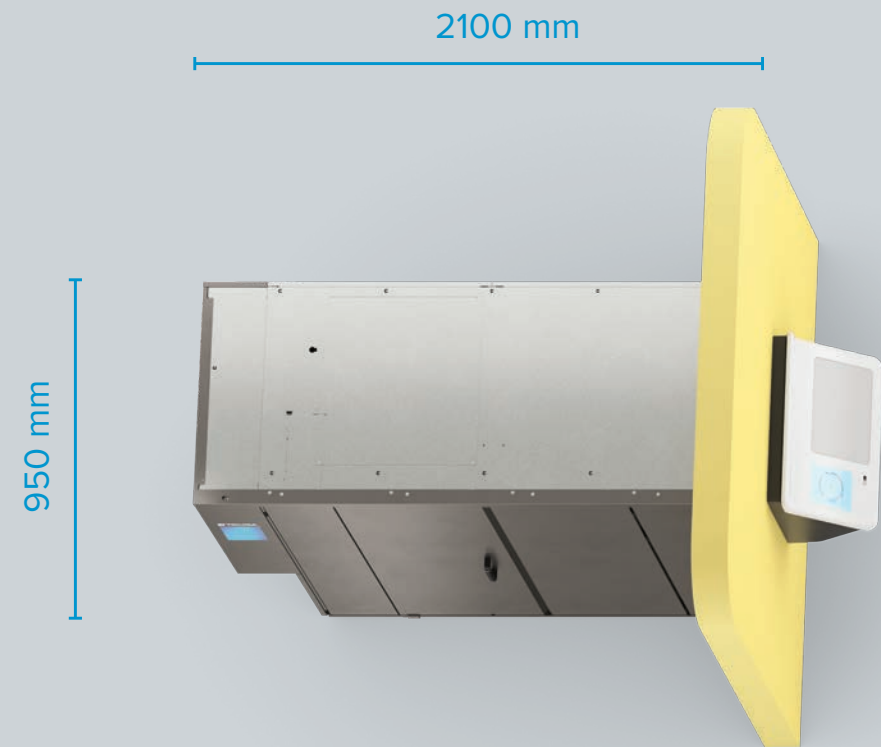
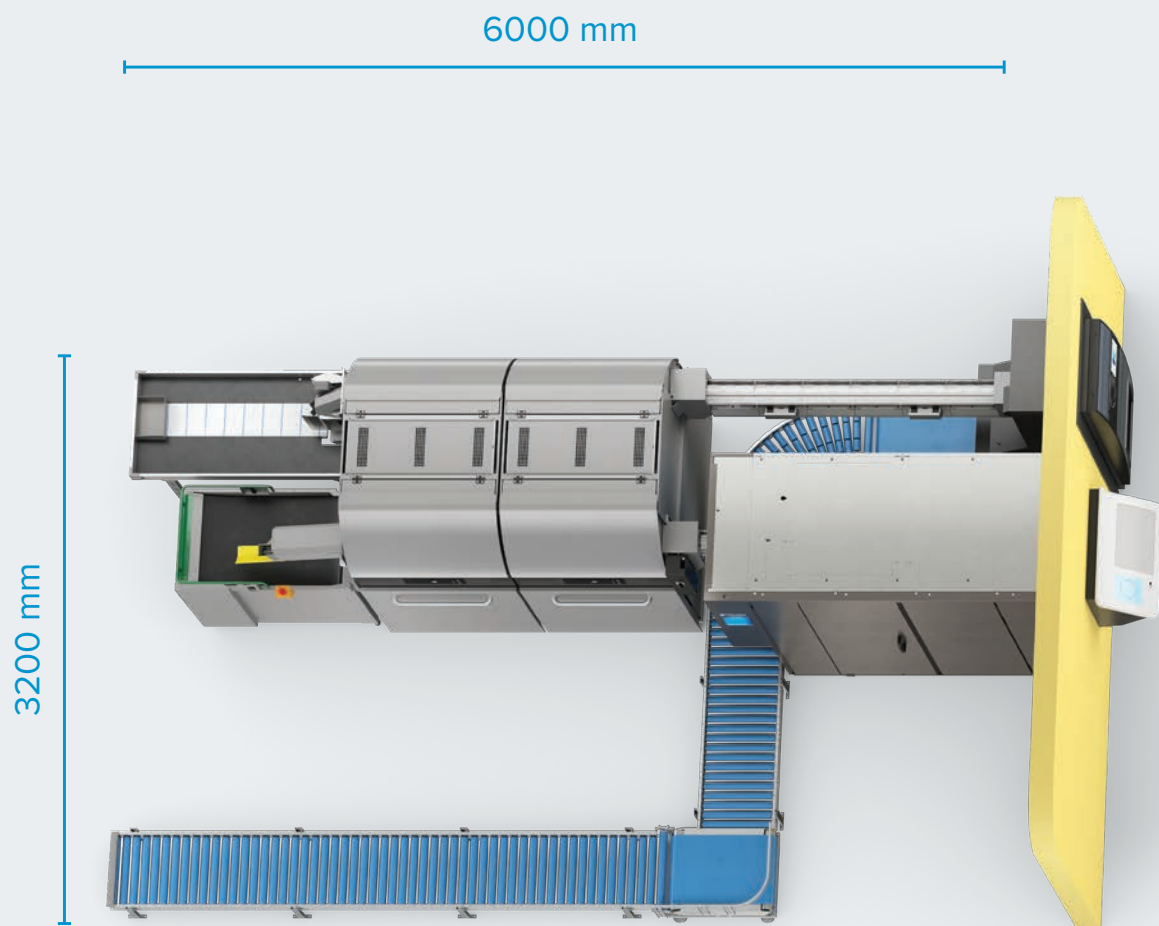TOMRA R2 with 2x RollPac left-side bin emptying and SoftDrop

5300 mm

1800 mm
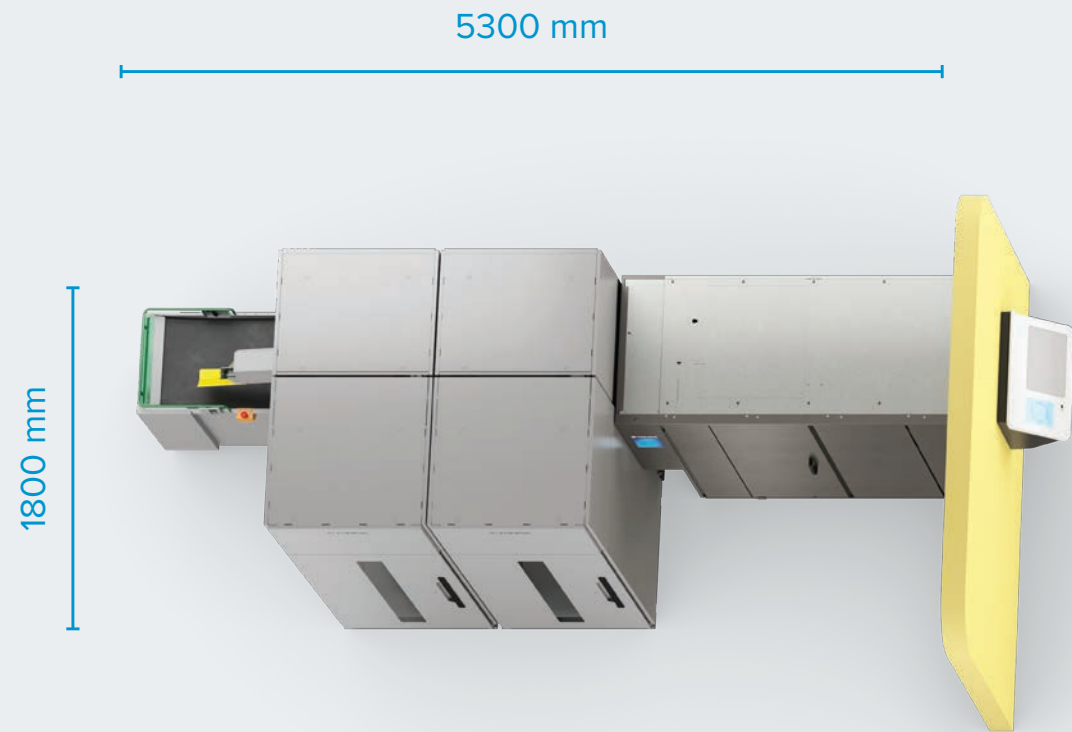
TOMRA R2+T9 with 2x MultiPac left-side bin emptying
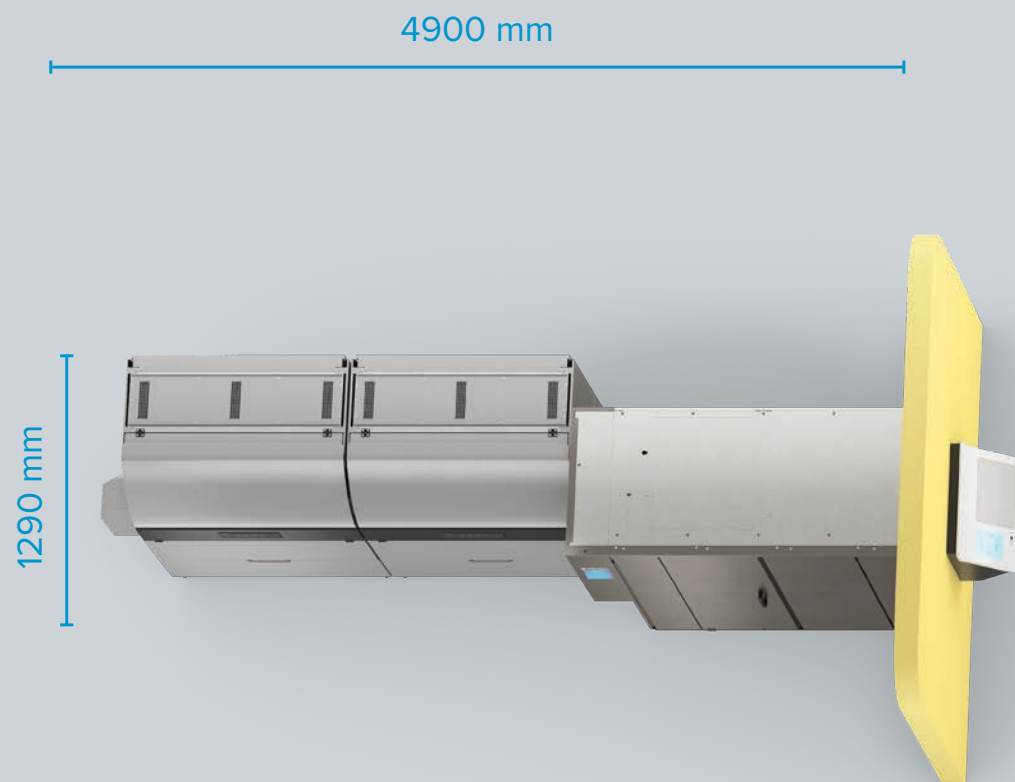
4300 mm

1670 mm

TOMRA R2+T9 with MultiPac, bottle raiser table, crate line and SoftDrop

5800 mm

2770 mm
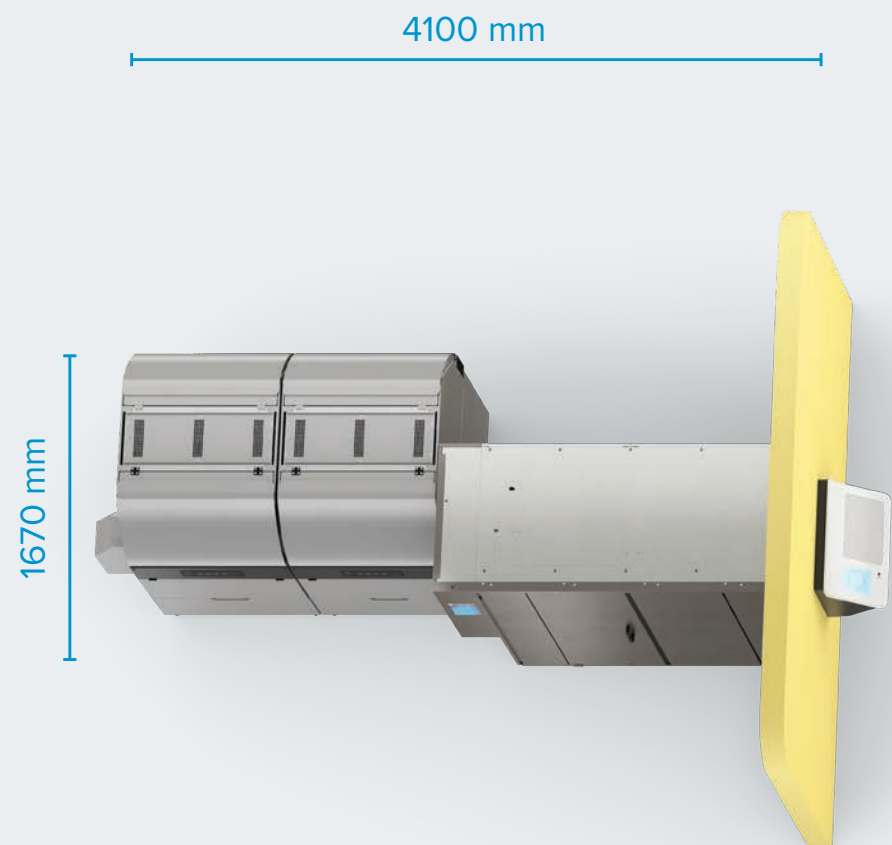
TOMRA R2+T9 with MultiPac, bottle raiser table, crossing crate line and SoftDrop

6000 mm

3200 mm

TOMRA R2 with 2x EasyPac Along cabinets, left-side bin emptying

4900 mm

1290 mm

TOMRA R2 with 2x EasyPac Across cabinets, left-side bin emptying

4100 mm

1670 mm

TOMRA R2 backroom compatibility

with TOMRA MultiPac

with TOMRA EasyPac Along

with TOMRA EasyPac Across

with TOMRA RollPac

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.

RETURN

SORT

BUY

TOMRA

CLEAN LOOP RECYCLING

CLEAN LOOP RECYCLING

PROCESS

FILL

REMAKE

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 R2™

Rethink recycling

Main unit

D: 950 mm

H: 1800-1940mm

Printer slot

Touch display

Infeed with hatch

W: 2100 mm

Singulation module
Recognition module
OneRing Reader
Main conveyor
Shape-recognition module
Touch display
Feeder conveyor

Spill tray

Front unit

750 mm

700 mm

410 mm

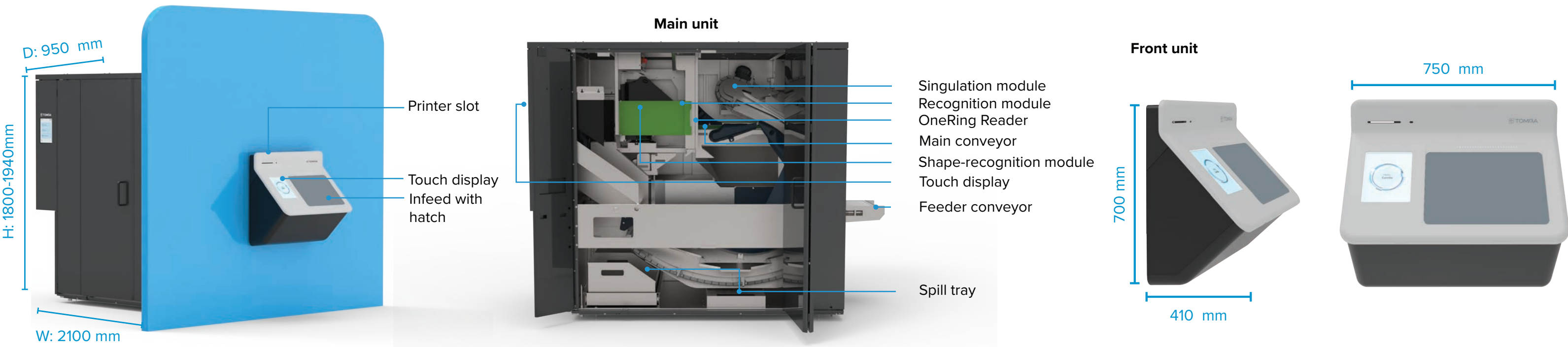TOMRA R2/ENG/08.2024

MEASUREMENTS

Dimensions [W x D x H]
Main unit: 950 mm x 2100 mm x 1800-1940 mm
Front unit: 750 mm x 410 mm x 700 mm

Infeed height 855-995 mm

Adjustment range for height 140 mm

Footprint 2.00 sqm main unit (behind the wall)

Weight 19 kg front unit, 473 kg main unit,
492 kg complete unit

STANDARD CONFIGURATION

Machine type Wall-mounted consumer facing reverse vending machine

Colors Dark grey

User interface **Consumer-facing display:** 10.4'' touch display, video and sound capabilities, user guidance on machine screen
Operator display: 10.4'' touch display, video and sound capabilities, user guidance on machine screen
Printer: Thermal printer

Optional configurations Loyalty reader

Compatible backroom products TOMRA MultiPac, EasyPac 1, EasyPac 2, RollPac and end-of-lane configuration kits

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 and cans

Speed capability [1] Up to 100 containers per minute [1]

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 [2] Noise Equivalent Continuous Sound Pressure:
Front unit (in store with lid closed):
Mix: 66,9 dBA, **PET:** 66,1 dBA, **Can:** 70,6 dBA [2]
Main unit (behind wall):
Mix: 81,8 dBA, **PET:** 78,9 dBA, **Can:** 85,4 dBA [2]

STORAGE CAPACITY

Accepted containers Up to 2 types of containers:
Cans, plastic bottles

Storage capacity per bin [3] **PET bottles (compacted):** Up to 1500 (TOMRA MultiPac and TOMRA EasyPac) and up to 2200 (TOMRA RollPac) [3]
Cans (compacted): Up to 6000 (TOMRA MultiPac and TOMRA EasyPac) and up to 8000 (TOMRA RollPac) [3]
50/50 mixed PET bottles/cans (compacted using mix crusher): Up to 2000 (TOMRA MultiPac and TOMRA EasyPac) and up to 3000 (TOMRA RollPac) [3]

ELECTRICAL

Power consumption Idle 0,08 kW, max. 0,55kW

Mains TOMRA R2 with TOMRA EasyPac or TOMRA RollPac (Europe):
400 V AC, 3-phase w/ground, 50 Hz, 16 A fuse

TOMRA R2 with TOMRA MultiPac 2 (Europe):
230 V AC, 1-phase w/ground, 50 Hz, 16 A fuse

CONNECTIVITY

External IT interface LAN (Ethernet TCP/IP), POS compatible

Digital tools Fully compatible with TOMRA's portfolio of digital products and APIs

[1] Performance data and system speed may vary across markets, deposit regulations, system requirements and type of backroom cabinet.

[2] All values with a measurement inaccuracy of ± 4 dBA

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

TOMRA

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

ISO 9001 + 14001 Certified

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.

Certificate no. 900031

LEGAL COMPLIANCE
This product is 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).

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 approximately 85,000 installations across more than 60 markets, retailers and consumers around the world rely on our reverse vending machines to collect more than 46 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/reverse-vending

TOMRA