

# T-90

## FAST, CLEAN AND COST EFFICIENT

T-90 is specially developed for stores requiring a fast and intuitive reverse vending machine with high capacity.

TOMRA Flow Technology™ makes the machine quick, easy to maintain and prepared for future packaging materials and shapes.

- + T-90 is optimized for returns of large volumes of one-way Cans and plastic.
- + TOMRA Flow Technology™ 360 degrees immediate recognition without rotation of the object.
- + Easy to operate, easy to clean



- With larger accumulation capacity than before InPac machines minimize the need for emptying
- Functional design for easy cleaning

- One compactor per fraction
- New crushers provide large accumulation capacity.
- Intuitive graphic in Touch display makes the user experience simple for both customers and store personnel

- Can be extended with a SoftDrop for handling of refillable bottles
- Energy efficient



T-90 is equipped with TOMRA Flow Technology™, the world's first 360 degree instant recognition system in a reverse vending machine. TOMRA Flow Technology™ ensures a unique level of operational efficiency and reliability, and the most flowing user experience.

Dimensions		Storage capacity (appr. figures with shakedown mixed sizes)		
		PET crusher:	800-1500 PET (Based on mix)	
<p><b>Weight:</b> 525 kg (max weight)</p> <p><b>Footprint:</b> 2.5m<sup>2</sup></p>		Can crusher:	3.500-6.000 Can (Based on mix)	
		Glass (SoftDrop)	300 objects (weight limited)	
		<p>Based on bin size: B: 800 x D: 1200 x H: 1000 mm                      Effective height of bin 850 mm                      (pallet height 150 mm. appr. figures with shakedown).</p>		
Container specifications	Speed capability	Environmental	Electrical	Connectivity
Non-refillable PET, can, glass  <b>Bottle size</b> Diameter 50-130 mm Height 85-380 mm  <b>Can size</b> Diameter 50-100 mm Height 80-200 mm	<b>Shape &amp; barcode reading</b> Up to 45 containers per minute	<b>Humidity</b> Maximum 90% relative humidity, non-condensing.  <b>Temperature</b> +10°C till +40°C  The machine has been designed for indoor use only.	<b>Power consumption</b> Idle 50W, Max 2500W, Can/PET Crusher nominal in use  <b>Mains EU</b> 400 V AC 3-phase w/ground, 50Hz, 16A  <b>Mains US</b> 208 V AC 3-phase w/ground, 60Hz, 20A	LAN (Ethernet TCP/IP) interface
Configurations	Recognition	User interaction	Colors	Accessories
T-90 Free standing version for up to two fractions of non-refillable. 2x1/1 Euro pallets. Front or rear unload. is also available as: T-90 wall mount version, 2x1/1 Euro pallet. Rear unload. Third fraction possible for refillables.  <b>Optional</b> Rear exit that can interface the TOMRA SoftDrop™, turning the machine into an all-container system.	<b>TOMRA Flow Technology™</b>  <b>For non-refillable containers</b> Shape recognition Full container detection  <b>Optional</b> Barcode recognition Security mark recognition Metal detection	10,4"LCD color Touch-screen display  User guidance in display  Video and Sound  Includes TOMRAplus BASE  Prepared for TOMRA Value Adding Services	Front: RAL 7042 Cabinet: RAL 7005	POS-Compatibility

We reserve the right to make changes to specifications without prior notice. While every effort has been made to ensure all information contained in this document is accurate, TOMRA assumes no liability for any errors, inaccuracies or omissions that may occur.

## LEADING THE RESOURCE REVOLUTION

35 billion used beverage containers are captured every year by TOMRA's reverse vending machines. TOMRA's total avoided greenhouse gas emission equals the annual emissions from 2 million cars—each driving 10,000 kilometers.



**TOMRA Systems ASA**  
 Drengsrudhagen 2  
 P.O Box 278, N-1372 Asker  
 Tel: +47 66 79 91 00  
 Fax: +47 66 79 91 11  
[www.tomra.com](http://www.tomra.com)

### LEGAL COMPLIANCE

This product is CE-marked in accordance with the following directives:  
 2006/42/EF, Machinery, including Electric Safety 2004/108/EC, EMC (Electromagnetic Compatibility)  
 2011/65/EC, RoHS (Restrictions of Hazardous Substances)  
**It also complies with the directives:**  
 2002/96/EC, WEEE (Waste Electrical and Electronic Equipment)



This product is developed and produced according to ISO standards 9001 and 14001

