

The Complete Deposit Return Scheme Solution



TSG UK has partnered with Trovr to deliver advanced recycling units, complete with innovative software solutions, to support the government's new deposit return scheme (DRS).

The Deposit Return Scheme (DRS) is a recycling initiative where consumers pay a 20p deposit on a beverage in a single-use plastic/glass bottle or aluminium can, which can then be reclaimed upon the return of the empty container.

The DRS introduces new requirements and recycling responsibilities for businesses operating across the UK including fuel retailers and the producers of the drinks they sell.

TSG is here to provide guidance and help retailers understand the process, prepare and successfully participate in the DRS scheme when it goes live.*

Introducing the Reverse Vending Machine

The reverse vending machine (RVM) is a simple, user-friendly system that not only collects single-use cold drink containers for recycling but acts as an advertising platform for retailers to promote in-store merchandise.

Empty drinks receptacles are inserted into the RVM, where the barcode is scanned and verified before the container is compressed and released into the enclosed recycling unit. The customer is then issued a printed voucher worth 20p for them to spend in the store.

The accompanying smartphone app allows customers to receive their rewards digitally as points, which can be used to purchase a wide spectrum of goods from a variety of suppliers.

Please note: All refunds issued by the retailer can be reclaimed through the government incentive scheme. Furthermore, to cover administration costs, there will be a small handling charge paid to the retailer for every recycled bottle or can.

Features

- HD digital multimedia screen
- On-board scanner and printer
- Internal or external application
- Barcode, material, shape and weight sensors
- Smartphone app
- In-built compactor

Benefits

- Sponsorship opportunity via full wrap and/or HD screen
- Retailer/partner advertising platform
- Fully automated - no staff intervention required
- Encourages responsible recycling – less litter on site
- Increase sales using 20p voucher incentive
- Cultivates customer loyalty



EcoVend RVM 100

Features

- Internal and external (undercover) application
- Dimensions (mm): RVM100 1850(H) x 650(W) x 950 (D)
- Digital display – 11.6" user and multi-media advertising
- Processes plastic bottles and metal cans
- Barcode, material, shape and weight sensors
- Capacity of 550 – 800 bottles, 1000 - 1600 cans (format dependent)



EcoVend RVM 200 & 200-X

Features

- Internal and external (undercover) application
- Dimensions (mm):
RVM200 1850(H) x 850(W) x 950 (D)
RVM200-X 1900(H) x 1000(W) x 1050/1500 (D)
- Digital display - 21.5" user and multi-media advertising
- Processes plastic bottles and metal cans
- Barcode, material, shape and weight sensors
- Capacity of 550 – 800 bottles, 1500 - 2100 cans (format dependent)



EcoVend RVM 400 & 400-X

Features

- Internal and external (undercover) application
- Dimensions (mm):
RVM400 - 1900 (H) x 1250 (W) x 1050 (D)
RVM400-X 1900(H) x 1350(W) x 1050/1500 (D)
- Digital display – User: 17.3" Multimedia / Advertising: 55"
- Processes plastic bottles and metal cans
- Barcode, material, shape and weight sensors
- Capacity of 1000 – 1700 bottles, 3000 – 5100 cans (format dependent)



EcoVend RVM 1450 & 1450-X

Features

- Internal and external (undercover) application
- Dimensions (mm):
RVM1450 1850(H) x 1450(W) x 1050(D)
RVM1450-X 1900 (H) x 1450 (W) x 1150 /1500 (D)
- Digital display – User: 17.3" Multimedia / Advertising: 55"
- Processes plastic bottles, glass bottles and metal cans
- Barcode, material, shape and weight sensors
- Capacity of 650 - 1060 plastic bottles, 300 - 500 glass bottles, 2400 - 3080 cans (format dependent)



EcoVend RVM 2000 & 2000-X

Features

- Internal and external (undercover) application
- Dimensions (mm):
RVM2000 - 1900 (H) x 2000 (W) x 1050 (D)
RVM 2000-X 1900(H) x 2150(W) x 1150/1500 (D)
- Digital display – User 17.3" Multimedia / Advertising 65"
- Processes plastic bottles, glass bottles and metal cans
- Barcode, material, shape and weight sensors
- Capacity of 1000 - 1700 plastic bottles, 300 - 500 glass bottles, 3000 - 5100 cans (format dependent)



*'X' models – high-performance specification includes 360-degree camera and upgraded compactor.
Processes up to 45 units per minute.*

**DRS scheme to be launched in Scotland in August 2023, followed by England, Wales and Northern Ireland
(date TBC)*



**For more information,
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