Scotland's Deposit Return Scheme

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Deposit Return Scheme Materials

WHAT KIND OF CONTAINERS?

All single used drink containers made of PET plastic, metal and glass, both alcoholic and soft drinks.

Not included HDPE plastic containers (like milk containers) or lined cardboard containers (Tetrapak) YET!!

Every container will carry a deposit of 20p, refunded to the consumer when taken back to any return point

Reverse Vending in Education

- Direct benefits for reducing litter in FE/HE and surrounding areas

- Student and Staff engagement is high

  - Increasing focus on recycling

- Students see this level of automation as natural

- Lack of catering staff time to process manual return point

  - Catering periods are limited as is and little scope to carry out manual return during break

  - Income from manual return is lower than automated return point and as the material is not compacted requires more secure measures and additional safe storage before collection.

  - Ability to locate RVM to drive footfall/manage flow of people in the facility

- Floor space used is minimal (similar to traditional vending solution)

St Andrew's and St Bride's pupils lead recycling revolution

A SECONDARY school in East Kilbride is the first in the country to install a 'reverse' vending machine.
In less than a fortnight the pupils of St Andrew's and St Bride's High School have recycled almost 3000 cans and plastic bottles as part of the pilot project instigated by South Lanarkshire Council

PREPERATION

There are many advantages of having an RVM installed prior to March 1ˢᵗ 2024

▶ Being the future oriented "good" neighbour in the community; potential for greater awareness, engagement & education

▶ Demonstrate commitment to DRS & environment and showcase readiness

▶ Educating Students, Staff, and Visitors prior to the scheme going live

▶ IT Integration configuration & set up

  ▶ Using the time to check on Connectivity for either 4G Router or Lan Connection

  ▶ Using the Time to trouble shoot potential issues with EPOS providers

▶ Mitigate Supply Chain impact as several countries will go live in 2024+

  ▶ Secure Equipment to Ensure Manufacturing lead time

  ▶ Due to the global shortage of materials prices will increase

▶ Provide internal training to staff on processes such as Cleaning, Emptying and Storage Solutions

▶ Reduce current waste uplift cost by compacting containers

▶ Improve recycling rates and meet internal environmental targets

▶ Drive footfall to the catering areas to allow opportunity for additional sales

▶ Recycle container and issue voucher for 20p off coffee on site

RETURN POINTS?

Any retail and hospitality businesses that sell drink in containers for take away in single-use PET plastic, metal or glass containers.

HOW TO RETURN?

Return empty PET and glass bottles, metal cans to any Return Point for refund

Refund can be transacted with either cash payment or voucher, loyalty card or donation to selected charities and community groups

Return Points

Scotland's Deposit Return Scheme is due to go live on 1st March 2024.

Handling Fee
- All businesses acting as a return point will receive a handling fee to cover the costs of participating in the scheme.

- Existing waste management costs should be reduced.

Collections
- Circularity Scotland will be responsible for collecting empty containers for recycling from all return points, VRPOs, RPOs and Closed Loop locations.

- This will be done free of charge: a saving for those businesses currently paying for the removal of containers by waste management companies.

- Collection frequency based on container data uploaded to CSL

https://depositreturnscheme.zerowastescotland.org.uk/information-hospitality-businesses

CASHFLOW

CASHFLOW

4 key financial elements to the Deposit Return Scheme

- Deposits   – charged separately on all scheme containers
- Producer fees   – Paid by producers for every container placed on the market
- [Retailer] Handling fee – compensation for operating a return point [time, space, RVM equipment, handling costs…]
- Sale of collected materials

All fees will be reasonable and reviewed annually by an independent consultant

Circularity Scotland will use the income from the producer fees, any unclaimed deposits and the revenue gained selling the returned materials to pay:

- The handling fees for operating a return point
- Funding the logistics operations required to collect containers for recycling and operating costs of scheme administrator.

Why use Reverse Vending as a solution

	Automated Return Point	Manual Handling
Staff time dealing with returns	Minimal – customer self serve	Each container manually hand scanned
Storage of materials for collection	Compacted to decrease footprint	Uncompacted bottles to be stored – higher floorspace/storage area required (uncompacted containers which are mostly air)
Pandemic Considerations	minimal contact with staff and therefore lower risk to staff	Risk to staff, risk to customers of transmission of Diseases
Data handling	Automatic returns to DRS administrator	Arrangements to be confirmed
Handling Charge back to retailer	3.7p up to 8000 units per week, 1.6p thereafter These figures reset every week	2.69p per container