



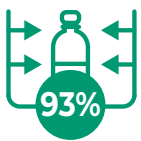
# ECO ACTION

## Technology, that simplifies recycling

# EcoAction 3.0 – Reverse Vending Machine

## Your Smart Recycling Solution

Automate packaging collection and meet the requirements of the deposit system. Choose a premium-quality solution made in Poland.



### UNIQUE TECHNOLOGY – MADE FOR EFFICIENCY

Automatic Baling and Compression:  
Compresses packaging by up to 93%,  
eliminating the need for bags.



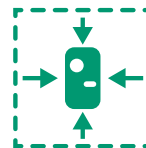
### 360° AI Scanner

High-efficiency, no-blind-spot scanner  
powered by AI for precise recognition  
and fraud prevention.



### IOT CONNECTIVITY & SAFETY

Real-time machine status monitoring and  
integration with mobile apps. Compatible  
with DRS-class systems.



### COMPACT DESIGN, FLEXIBLE INSTALLATION

No need for shelters or special rooms.  
Suitable for indoor and outdoor use.

- ◆ **SIMPLE PLUG-IN:** Standard 230V socket is enough.
- ◆ **BOTTLE SHAPE RESTORATION OPTION**
- ◆ **TEXT AND VOICE MESSAGES IN MULTIPLE LANGUAGES**
- ◆ **NATIONWIDE SERVICE NETWORK**

## Why Choose EcoAction 3.0?



### Reduced Emptying Frequency:

Up to 8× fewer emptying cycles compared to competitors thanks to efficient baling.



### Time & Labor Savings:

Automation and 2000-pack capacity minimize manual handling.



### Lower Transport Costs:

Optimized packaging compression means fewer collection trips.



### Storage Cost Reduction:

8 × compression means less space needed in-store.



### Recycling Process Simplified:

Compression format saves time at sorting facilities.



### Dual Fraction Handling:

Accepts PET bottles and aluminum cans.



### Easy System Integration:

Ready for integration with POS and deposit systems.



### Fraud Protection:

Prevents duplicate scans and data reporting errors.



### Competitive Advantage:

Customers favor stores with smooth deposit system operations.



### Low Entry Barrier:

Flexible partnership models.



### Fast Installation & Use:

Quick setup to meet legal requirements.



### Extra Revenue Potential:

Generate income via deposit system commissions.

# EcoAction 3.0 by the numbers



## EFFICIENT BALING SYSTEM



◆ **95% MADE IN POLAND**

◆ **Maximum device capacity:**

2000 PET 1.5L | 3000 PET 1L | 3250 PET 0.75L | 4000 PET 0.5L | 5000 PET 0.33L | 7000 CAN 0.5L | 10000 CAN 0.25L.

◆ **8 x**

EcoAction ensures eight times less storage space needed in a retail unit or up to eight times more bottles transported in a single logistics run (compared to raw material stored in bags).

◆ **60 pcs**

Maximum number of containers accepted per minute.

◆ **1:13**

Packaging compression ratio.

◆ **93%**

Compression efficiency.

◆ **0.225 m<sup>3</sup>**

Volume of baled packaging (each up to 2000 bottles).

◆ **640 000 pcs.**

One TIR trailer can hold 320 EcoAction bales (assuming 80% load capacity), which is equivalent to 640,000 mixed PET bottles.

◆ **30 days**

Duration for which the device's internal memory stores images of received containers.

◆ **10 minutes**

Maximum daily service time required to empty the reverse vending machine\*



\*According to statistics from the latest deposit system implemented in Slovakia (Backup system administrator activity report, H1 2023, spravzaleh.sk), the average number of bottles deposited in RVMs does not exceed 1000 pcs/day.

## Technical Specifications

### Dimensions & Weight: Height

2223 mm, Depth: 1021 mm, Width: 1198 mm, Weight: 780 kg

### Electrical Data

Max energy per full load: 2.5 kWh, Peak: 1.5 kWh, Standby: 0.05 kWh, Voltage: 110–240V, 50–60 Hz

### Capacity

Up to 2000 × 1.5L containers

### Connectivity

WiFi, Ethernet, Internet (Google Cloud, Google Firebase), RS-232C, RS-485

### Printer / Scanner

Sanei SK 1-211 printer (60 mm), Newland 360 RVM scanner

### Display

21.5" Touchscreen, 1920×1080 resolution

### Sensors

Weight, Liquid, Fill Level, Motion, Light

### Max Noise Level

67 dB

## Ultra-Efficient 360° Scanner

### 1D and 2D Scanning

The RVM ring scanner is equipped with advanced 1D and 2D barcode scanning technology, enabling fast and efficient barcode reading on bottles and cans.

### Accurate Scanning

The RVM ring scanner features comprehensive 360-degree coverage, thanks to ten wide-angle scanning engines with overlapping scan areas. Additionally, the scanner is equipped with bright, diffused lighting that enhances visibility, ensuring fast and accurate scanning regardless of the code's position on the product or its orientation within the scanning tunnel.

### Clear Feedback

The RVM ring scanner includes a large LED indicator ring that provides clear and concise feedback during the scanning process. This feature allows users to quickly verify whether product codes have been successfully read. Furthermore, the host can control the tri-color LED indicator, enabling the display of different device statuses or indicating whether the scanner is available for customer use.

