



LEAVE YOUR MARK FOR THE **FUTURE**

Member of
UÇGE
GROUP



 **REVEGO**
environmental solutions





REVEGO Environmental Solutions and Technologies, develops end-to-end solutions with product development, software systems, digital infrastructure and storage systems for the sector within the scope of environmental policies. It produces iECO branded Deposit Reverse Vending Machines, Counting & Sorting Machine, Verification Facilities whose system and software are implemented in-house. It operates in its factory with an area of 10.000 m² with the aim of realizing all processes covering design, software, production, distribution, marketing, assembly and after-sales services in the national and international market.

REVEGO is one of the ÜÇGE group companies under which 10 companies operate.

With 47 years of deep-rooted history, ÜÇGE continues its activities as one of the world's major suppliers of retail shelves systems, warehouse racking systems, smart storage, digital system solutions, environmental solutions and a wide range of industrial products.

Exporting to 92 countries, ÜÇGE has 6 factories in Bursa, a office - warehouse in Germany and 750 employees.

ÜÇGE manufactures retail shelves systems for all sales points from hypermarkets, boutiques, pharmacies, DIY, electronic markets, consisting of national and global retail brands for the retail sector.

It also maintains its mission as the innovative solution partner of the sector by developing innovation and technology-oriented new generation smart products and systems developed in its R&D center under the bluxone brand.

It mainly produces specially designed heavy and light duty warehouse racking systems, fully automated smart warehouse solutions for logistics, retail, e-commerce and industrial sectors in line with Industry 4.0.

ÜÇGE is moving forward with the goal of creating more value for its industry, its customers and the world for a sustainable future. In this context, as of 2020, it has stepped into R&D, production and software activities in the field of recycling with iECO brand. Important projects were realized in a short time.

In the second half of 2023, REVEGO was established as a new company specific to its field of activity. All environmental solutions started to be implemented under REVEGO.

REVEGO also aims to use our planet's resources efficiently, to create a sustainable system to support the circular economy and to raise recycling awareness in society with its corporate citizenship approach.

It combines its goals with the vision of creating value for the future.

We Turn Our Face to Nature We Recycle for Our Future

Plastics (PET), glass bottles and cans are the main causes of environmental pollutions.

With the collection of packaging wastes by Deposit Management System, a recycling habit and awareness in society will be created and we will be able to leave a clean nature to creatures and next generations.


Why We Need Deposit Management System?

- Reduce greenhouse gas emissions
- Clean packaging
- Clean raw material
- Higher recycling rates
- Reduce dependence on raw materials for packaging
- Contribute circular economy
- Contribute the society to acquire recycling habits

World Beverage Containers Productions

 580 Billion
Pet Bottles/Year

 500 Billion
Glass Bottles/Year

 550 Billion
Cans/Year

EU Single-Use Plastics Directive sets out targets for the separate collection of plastic for recycling (a 90% separate collection target for plastic bottles by 2029 and 77% by 2025) which can be achieved through deposit return systems.

Recycling targets for packaging materials are 60% for cans and 75% for glass.

Within the scope of the circular economy, it is very important to ensure the recovery of beverage containers.

FUTURE IS ON YOUR HANDS

“About **20 million tons** of plastics enter our ocean each year!”

The amount of plastic waste in the ocean it is thought to be **400 million tons**. According to the Ocean Conservancy organization, the amount of plastic waste circulate in marine environments will reach **600 million tons** in 10 years and by 2050 there will be more plastic than fish in the seas.





Empty packaging is thrown into the recycling machine.



It is connected to the main systems through integration, depending on the regulations of the states.

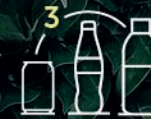


360° reader recognizes the barcode and matches it with the image and weight.

How does the system work?



Information about all stored packages is instantly collected and reported in the system.



According to the packaging information, it is separated into plastic, glass and aluminum.



The deposit fee is refunded to the consumer via receipt, mobile wallet or credit card.



Separated packages are crushed and broken for minimum storage volume.



With iECO Smart Deposit Return Automation and Software; let's be a part of the solution together, let's leave a mark on the future together

REVEGO has taken an important step for a sustainable future by implementing the iECO reverse vending machine and management software, as the most important step of the circular economy that aims to bring the processed resources back to the world economy in a clean manner.

Developed by REVEGO engineers, the iECO Recovery System Software has an infrastructure that complies with the Deposit Information Systems and Regulations, provides live remote control, system management and reporting.

It will carry out the implementation of waste collection, storage and deposit return management activities, which contribute to the circular economy, and will record live time in the deposit information management system.

Software has an integrated infrastructure with different brands of reverse vending machine in the same deposit management system, so that machines of different brands can be managed through a single software.

iECO Reverse Vending Machines



	iECO i30	iECO i20	iECO i10C	iECO i30E
Packaging Type	PET - Can - Glass	PET - Can	Glass	PET - Can - Glass
Container Size	0,2 – 3,0 Liters	0,2 – 3,0 Liters	0,2 – 3,0 Liters	0,2 – 3,0 Liters
Height (H) x Depth (P) x Length (L)	1885x955x1485	1885x955x750	1885x955x750	1885x955x750
Foot Print (m2)	1,4	0,7	0,7	0,7
Weight (kg)	495	355	355	250
Area	Interior	Interior	Interior	Interior
Reward System	Receipt-Mobile wallet-Card application	Receipt-Mobile wallet-Card application	Receipt-Mobile wallet-Card application	Receipt-Mobile wallet-Card application
User Recognition	Exist	Exist	Exist	Exist
Crusher Unit	Exist	Exist	-	-
Glass Breaker	Exist	-	Exist	-
Power of Crusher / Breaker Unit (kW)	0,75 kW	0,75 kW	0,75 kW	-
Display (Inc)	15" Touch Screen	15" Touch Screen	15" Touch Screen	15" Touch Screen
Thermal Printer	Exist	Exist	Exist	Exist
360 Degree Barcode Reader	Exist	Exist	Exist	Exist
Shape (Silhouette) Recognition	Exist	Exist	Exist	Exist
Weight Measurement	Exist	Exist	Exist	Exist
Machine Identification Speed (product/min)	40*	40*	40*	40*
Container Sizes	1x1/1 EU Pallet , 2 x 1/2 EU Pallet	1/2 EU Pallet	1/2 EU Pallet	1x1/1 EU Pallet , 2 x 1/2 EU Pallet
Capacity by Product Type	460 PET-800 Can**	460 PET-800 Can**	-	210 PET-390 Can**
Capacity by Product Type (kg)	75 kg Glass***	-	75 kg Glass***	75 kg Glass***
Operating Temperature	Between (-)10C° - (+)40C°	Between (-)10C° - (+)40C°	Between (-)10C° - (+)40C°	Between (-)10C° - (+)40C°
Power Consumption	StandBy 61 W - Max 2,2 kW	StandBy 61 W - Max 1 kW	StandBy 61 W - Max 1 kW	StandBy 100 W - Max 1 kW
Mains	230 V AC- 1 Phase, 50 Hz****	230 V AC- 1 Phase, 50 Hz****	230 V AC- 1 Phase, 50 Hz****	230 V AC- 1 Phase, 50 Hz****
Connection	LAN (Ethernet), Mobile	LAN (Ethernet), Mobile	LAN (Ethernet), Mobile	LAN (Ethernet), Mobile
Noise	<72 (PET/Can), <83 (Glass)	<72 (PET/Can), <83 (Glass)	<83 (Glass)	-
Main software (instant reporting, occupancy rate, technical service records)	Exist	Exist	Exist	Exist
Operating System	Linux	Linux	Linux	Linux

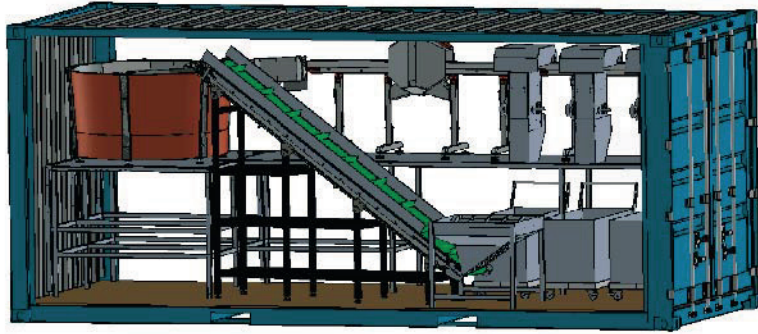
* Maximum Speed

** Plastic 0,5 lt - Can 0,33 lt

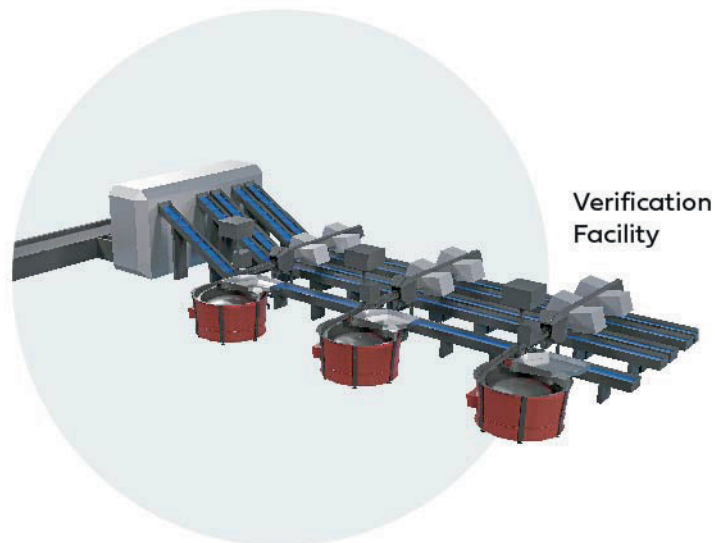
*** It was determined by taking into account the healthy load that a staff member can lift

**** Voltage-phase-Hz suitable for the country can be made

iECO Reverse Vending Machines



iECO i100	
Packaging Type	PET - Can - Glass
Container Size	0,2 - 3,0 Liters
Height (H) x Depth (P) x Length (L)	3000x3000x6000
Foot Print (m2)	18
Weight (kg)	1200
Area	Indoor - Outdoor
Reward System	Receipt-Mobile wallet-Card application
User Recognition	Exist
Crusher Unit	Exist
Glass Breaker	Exist
Power of Crusher / Breaker Unit (kW)	0,75 kW
Display (Inc)	27" Touch Screen
Thermal Printer	Exist
360 Degree Barcode Reader	Exist
Shape (Silhouette) Recognition	Exist
Weight Measurement	Exist
Machine Identification Speed (product/min)	120*
Container Sizes	Depend on project design
Capacity by Product Type	Depend on project design
Operating Temperature	Between (-)10C° - (+)40C°
Power Consumption	StandBy 61 W - Max 3,5 kW
Mains	230 V AC- 1 Phase, 50 Hz****
Connection	LAN (Ethernet), Mobile
Noise	<72 (PET/Can), <83 (Glass)
Main software (instant reporting, occupancy rate, technical service records)	Exist
Operating System	Linux



*Maximum Speed ****Voltage-phase-Hz suitable for the country can be made



Prominent Features

- Next generation IoT product
- Layered security architecture
- Remote updatable feature
- Flexible structure can be integrated into special applications
- Equipped with Artificial Intelligence technology
- Design compatible to cloud architecture
- 360 degree of barcode and QR code reader, shape recognition
- Equipped with IR cameras
- Packing deformation value assignment feature
- Detection of packaging material type
- Record the characteristics of returned containers
- Fraud protection
- User friendly panel and instant traceability
- Precise data reporting (occupancy, location, fault codes etc.)
- Ability to restart without physical intervention in critical error situations
- Climate compatibility temperature humidity etc.
- Plug and Play technology

Usage Areas



Market / Supermarkets



Shopping Malls



Cafe / Restaurants



Factories



Hotels



Schools



Public Domains



Public Institutions



revego.com.tr



 [revegoes](https://www.youtube.com/revegoes)



REVEGO Çevresel Çözümler ve Teknolojileri AŞ | Environmental Solutions & Technologies

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