

OZ-SEPA™

Oil-Zero Separator

The Better & The Cleaner World

 KOREA

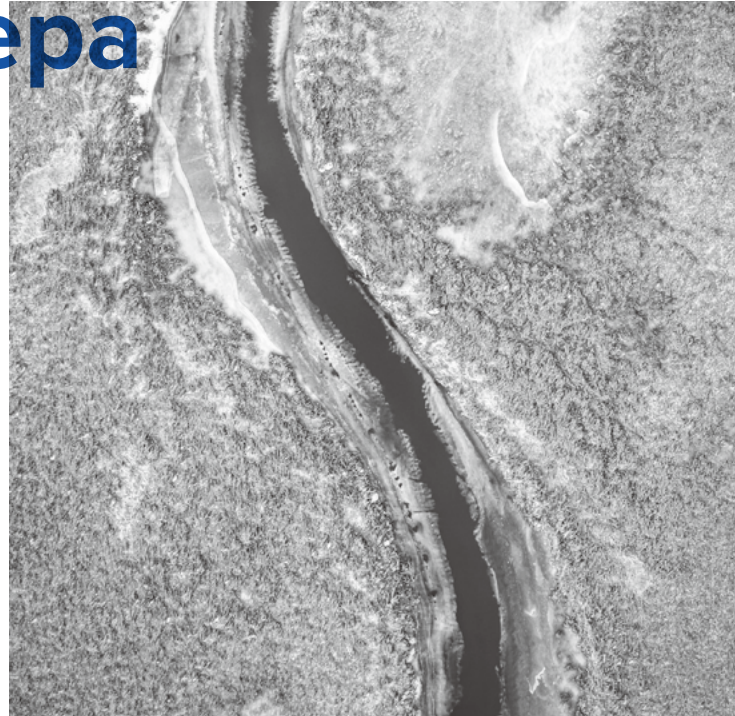
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31 October - 3 November 2022
Abu Dhabi, United Arab Emirates

OZ | Sepa | Oil-Zero Separator

About OZ Sepa Inc.



With more than 10 years of research and development, OZ-SEPA Inc. has created OZ-SEPA™ filters for direct oil collection. It can recover 99% of oil, from low viscosity silicon oil to high viscosity crude oil. OZ-SEPA Inc is growing to be a global leader of a clean world.

Oil Separator Nano Filter

OZ-SEPA™

Oil-Zero Separator

“99% Oil Recovery from Water”

- Collects all kinds of oil, from silicone oil to crude oil
- Avoids additional environmental contamination from using conventional absorbents, chemicals and bio-based products
- Low-cost, high-efficiency oil filters



Recovers all
kinds of oils



Reduces secondary
environmental
pollution



Low-cost,
high-efficient



OUR TECHNOLOGY



OIL ZERO FILTER

Redefining
oil-water
separation
methods

- 1** Our oil-water separation technology using nano filters simplifies the separation process, making it more efficient and economical.
- 2** Filtering method using nano technology to separate oil from water drastically reduces secondary pollution caused by traditional absorbent methods.
- 3** Recovers up to 99% of oil, from low viscosity silicon oil to high viscosity crude oil.
- 4** Supply of low-cost, high-efficient oil spill cleanup solutions to the market.

NANO TECHNOLOGY

OZ-SEPA Inc succeeded in patenting OZ-SEPA™ direct oil-water separation filters by using nano surface treatment. It's an innovative technology that filters up to 99% of oils from water directly and is easy to recycle.



> Oil stuck to filter before processing



> Oil separated from filter after processing

OZ-SEPA Inc Pursues Cleanliness

The Better & The Cleaner World

Why we need innovative technology

OZ-SEPA™ is the world's first eco-friendly oil recovery system with an oil recovery rate of 99% using direct filtering rather than absorbent methods.

Conventional Solution

Absorbent Paper

900 sheets (15-hour working time)

Expensive

US\$1,800

Inefficient

Absorbed oil also requires secondary and tertiary separation processes

Oil Recovery Rate

below 50% and high cost

Chemical

Ecosystem disturbance caused by oil breakdown chemicals

* Removing same amount of oil

OZ-SEPA™

Scooper

1 unit (10-min working time)

Economical

US\$25

Efficient

Simplified oil-water separation process

Oil Recovery Rate

99% recovery rate, recyclable, environment friendly direct filtering, simplified equipment

Eco-Friendly

No ecosystem disturbance, minimization of secondary pollution

OUR PRODUCTS

Oil Filter

OZ-SEPA™ filter can recover all kinds of spilled oil up to 99%. It can replace other conventional filters. OZ-SEPA™ is very economic and efficient.

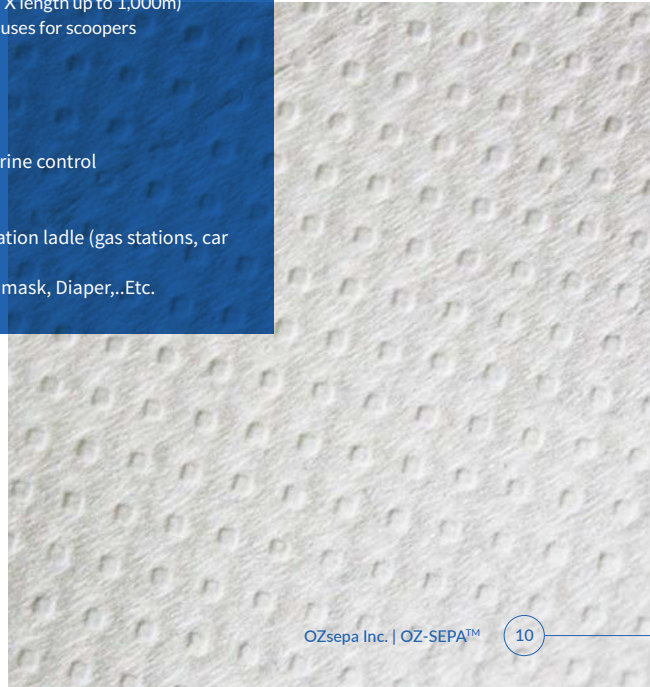


SPECIFICATIONS

Material : textile, plastic, iron mesh
Dimensions : 1m² unit (width 1.1m X length up to 1,000m)
Durability : More over 1000 times uses for scoopers

USE

Scooper, Boom, skimmer for marine control
Industrial oil separator
Water separator for ships
Commercial oil and water separation ladle (gas stations, car washes, restaurants etc.)
Oil wipe, Super absorbent facial mask, Diaper,..Etc.



Oil Boom

OZ-SEPA™ boom is not overturned easily by high waves and fast flows. It can collect oil quickly and safely.

SPECIFICATIONS

Material : PVC/OZ-SEPA™
Weight : 4kg/m
Basic unit : 20m/Set.
Type : solid or inflatable
Dimension : higher than 300mm above water level
lower than 400mm below water level
(changeable upon request)

USE

Large or small scale oil spill cleanup in oceans and rivers



Oil Scooper

OZ-SEPA™ oil scooper is good for small oil spills on the seaside and is very convenient for ships, industries and commercials. It can be reused.

MATERIAL
Frame : plastic
Handle : graphite

Type A (large)

Frame size : 25cm diameter
Handle length : Adjustable to 2, 3 meters

USE

Small oil spills
Aqua farms
Seaside, river and lake
Ships
Living environment

Type B (small)

Frame size : 16cm diameter
Handle length : 58cm

USE

Small industry
Commercial environment
(gas stations, car washes,
and auto repair shops, etc)



Oil Scooper

Oil Ladle

Used for domestic and industrial purposes such as restaurants and small factories.



Oil Skimmer (L Size)

A fast and efficient drone built for automated task performance within a 500m radius using OZ-SEPA™.



SPECIFICATIONS
All-in-one system of capture, recall, and storage
500m radius of continuous operation with wireless automation
Working speed : 3 knots
Separation capacity : 30-100kl/h(on order)
Weight : 700kg under

Oil Skimmer (S Size)

A fast and efficient drone built for automated task performance within a 500m radius using OZ-SEPA™.

SPECIFICATIONS
All-in-one system of capture, recall, and storage
500m radius of continuous operation with wireless automation
Separation capacity : 1.5kl/h
Weight : 50kg(two men carryable)
Size : 1.2m X 1.2m Xv0.5m under
Working speed : 1.5knots/h



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Partnerships

