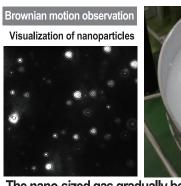


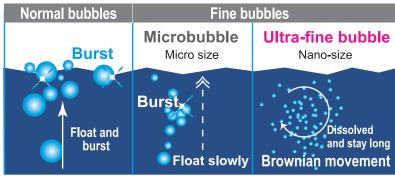
There are nine campuses in Thailand with a total enrollment of 150,000 students.

There are also many exchanges with Japanese universities, and agreements have been made for joint development.





The nano-sized gas gradually becomes transparent.



Pores

300µm

About 100-About Cell Microbubble $1\sim 100~\mu m$

IS0 Less than Standard 1 μm /1000nm

Ultra-fine bubble

80µm

10 μm

Capable of enclosing various gases

high efficiency Compact size

field of application Chemistry,

Ultra-fine bubble generator

Gas (O2, CO2 etc.) is finely crushed to nano size. Can generate 100L in about 45 minutes.

O2 Oxygen

Hydrogen

Argon

CO₂

ppmDO

drinking water,

beauty, food, etc.

health,

NANOSIGHT Nanobubble 2019-11-29 14-59-49 Concentration (particles / ml) 2.0 Maximum Frequent Particle Size (a n) 61nm 1.5 Intensity 1.0 Nanobub~15-00-06 Nanobub~15-01-15 Nanobub~15-02-22 -100-Size (nm) Size (nm)

Averaged FTLA Concentration / Size for Experiment: Error bars indicate + / -1 standard error of the mean Concentration: 6.00e+008 +/- 7.06e+007 particles/ml

600 million (density/ml)

Ultra-fine Bubble

Hi-O2drinking water

Nano-size

61~93nm About 80% of the oxygen of size can be stored in the water produced by this generator.

Capable of enclosing various gases

It can be used in various applications including shampoos, hair tonics, products requiring higher absorption, water and food.

Enhance moisturizing effect, cell activity and cleansing performance.

Nitrogen

Fluorine

Ozone



Support various OEM and product creation of ultra-fine bubble applications.

Natural Ultra-fine Bubble









Ultra-fine Bubble face lotion No chemicals or alcohol are used.

It penetrates the skin's stratum corneum with oxygen and water, which are essential for the skin, and creates a healthy, non-sticky condition while retaining moisture.

Water of Hokkaido

Take in oxygen from the outside air Compact



Ultra-fine bubble generator **SORA-GR**

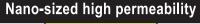
Agriculture, fisheries, water quality improvement, cleaning, etc.

Oxygen in normal water decreases as the temperature rises.

Usage in Agriculture -

Absorb nutrients and oxygen from roots and leaves





Oxygen supply

Nutrition supply

More active plant cells









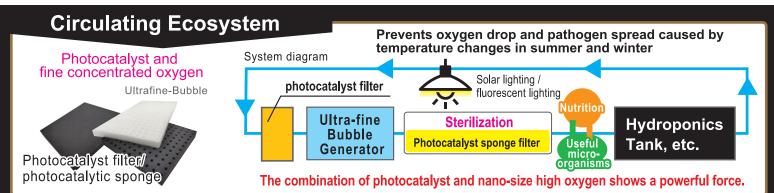
NANOSIGHT 4.0 4.0 -6 2023-02-04 14-59-06 Ē Maximum Frequent 3. 0 Concentration (particles / 3.0 Particle Size 2.5 74nm Intensity 2. 0 2.0 1.0 1.0 Size (nm) Size (nm) Intensity / Size graph for Experiment:

Averaged FTLA Concentration / Size for Experiment: Error bars indicate + / -1 standard error of the mean

Concentration (Upgrade): 1.29e+08 +/- 1.58e+07 particles/ml 129 million (density/ml)



The respiration speed of roots, and thus nutrients, is proportional to the amount of oxygen absorbed.



Photocatalyst reacts with light (visible light/sunlight) and decomposes organic substances.



Usage in Fisheries

Become more active with increased dissolved oxygen

Provide a safe breeding environment that does not cause gas disease.

Grow Fast

Decrease fish mortality







Maintaining freshness with ultra-fine nitrogen bubble water is effective at the shipping and sales stage.

Encapsulating the oxygen remaining in the body can remove oxygen and prevents oxidation.

Water treatment

Wastewater treatment using microorganisms

Fine bubbles activate microorganisms and increase processing capacity.



Wastewater treatment tank (aeration)



Filttration tank



Algae treatment of ponds at parks Factory, farm wastewater



Park fountain

Water quality deterioration factor

Ammonium nitrogen concentration in the water increases when the water is polluted by sewage and domestic wastewater. It is oxidized by bacteria that feed on ammonium nitrogen, deteriorating water quality.

Bio-friendly water purification liquid



Useful microorganisms born in a completely organic farm take the organic matter in the water and decompose it into nutrients.

Use Bio-β to improve water quality

Breeding test of killifish

After 5 months

Killifishes grow big by maintaining water quality without moss and bad odour

Wastewater treatment problem due to residual of disinfectant and its cleaning

Cleaning

Cleaning without using detergents or chemicals is possible. The nanobubble water has a surfactant effect.



machine / manufacturing line



Cooking machinery



Pesticide removal



Cut vegetables



Hot springs & pools

Wash and sterilize cut vegetables without damaging the vegetable cell membrane.

Food and Beverage

Mayonnaise with ultra-fine nitrogen bubbles prevents oxidation. It is suitable for storage, has an improved texture, is low in calories, and thus widens the range of cooking applications.



SORA

Ultrafine-Bubbles Generator

development : Rajamangala University

technical cooperation: NANOBEST JAPAN CO., Ltd.

Seller: NAKUSUL JAPAN LLC

E-mail: nanobestjapan.hokkaido@gmail.com

http://nanobestjapan.lsv.jp

Make fertile soil



For soil

BiO
100% Organic

Antioxidant solution

Useful microorganisms born in a 100% organic farm

Authorized Distributor