

ALKAMEDI

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ALKAMEDI





INTRODUCTION



ALKAMEDI is a leading manufacturer of water ionizer and relevant industrial applications which is headquartered in South Korea.

We always put our customers first and strive to expand our market dominance based on our 20 years of experience and knowhow in this water industry.

ALKAMEDI at a glance

Company : **ALKAMEDI Co., Ltd.**

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Gyeonggi-do, 14056, Republic of Korea

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Primary Business Portfolio

- ✓ WATER IONIZERS
- ✓ FILTERS
- ✓ INDUSTRIAL ACIDIC WATER GENERATOR
- ✓ Self ClearV (HOCL/ 99.999%) for cleaning & sanitizing



ORGANIZATION



BUSINESS PORTFOLIO

I. WATER IONIZER

Counter-top

Please visit <http://alkamedi.com/waterionizers> for more information about each model



AMS 2000(S)



AMS 2100(S)



AML 3000(S)



AMS 4000(S)



AMS 4100(S)



AMC 7000S (NEW)
Available from Q4., 2024

Under-sink



AMU 7000F (NEW)
Available Now

II. FILTERS



6 Step
Carbon Block
Compound Filter



7 Step
Nano Electropositive
Compound Filter



8 Steps
Ultra Hollow Membrane
Compound Filter

III. ELECTROLYTIC WATER GENERATOR (AQUAPE)



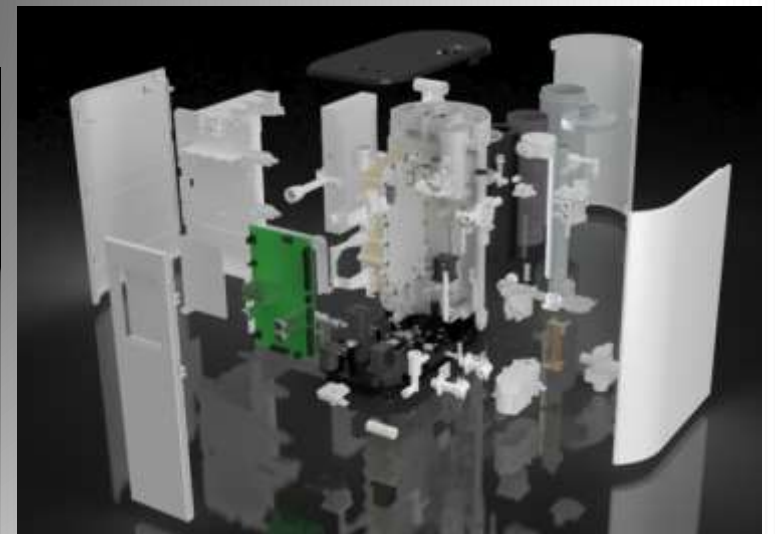
* FOR INDUSTRIAL APPLICATIONS

IV. SELF-CLEAR V HOCL SANITIZER (99.999%)



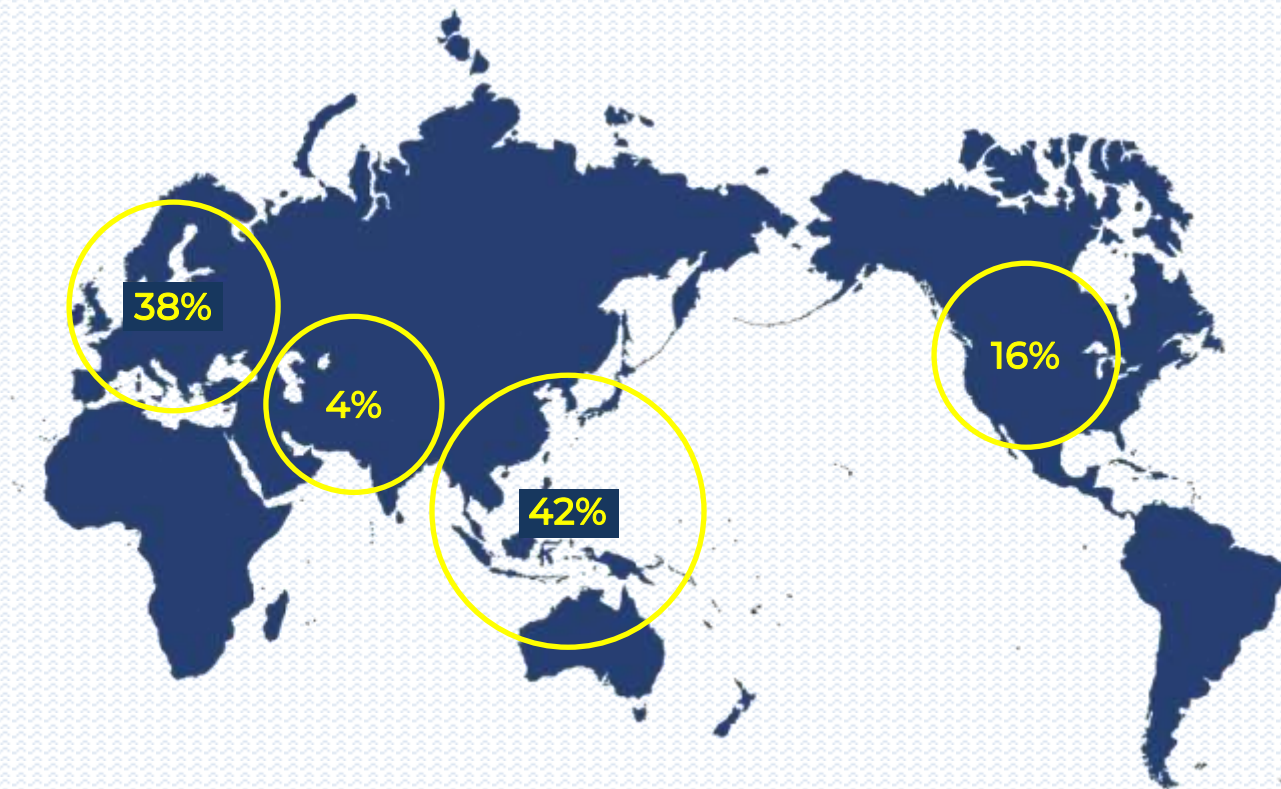
WHY ALKAMEDI

- I. GLOBAL BUSINESS NETWORK
- II. QUALITY ASSURANCE
- III. COST LEADERSHIP
- IV. OPERATIONAL MANAGEMENT



I. Global Business Network

“ALKAMEDI has over 32 respected customers from 22 different countries worldwide.”



I. Market Penetration Share

- Asia & Oceania: 42% / Europe: 38% / ME&A: 4% / America: 16% (FY2021)

II. Number of Customers by Region

- Asia: 14 / Europe: 9 / CIS: 5 / ME: 2 / America: 2

II. Quality Assurance



Quality Leadership

Maintaining Less than 1.0% Failure Rate for M.P Products

Speedy Response

- Respond to Customer within 24 hours
- Systematic Process on RMA Protocol

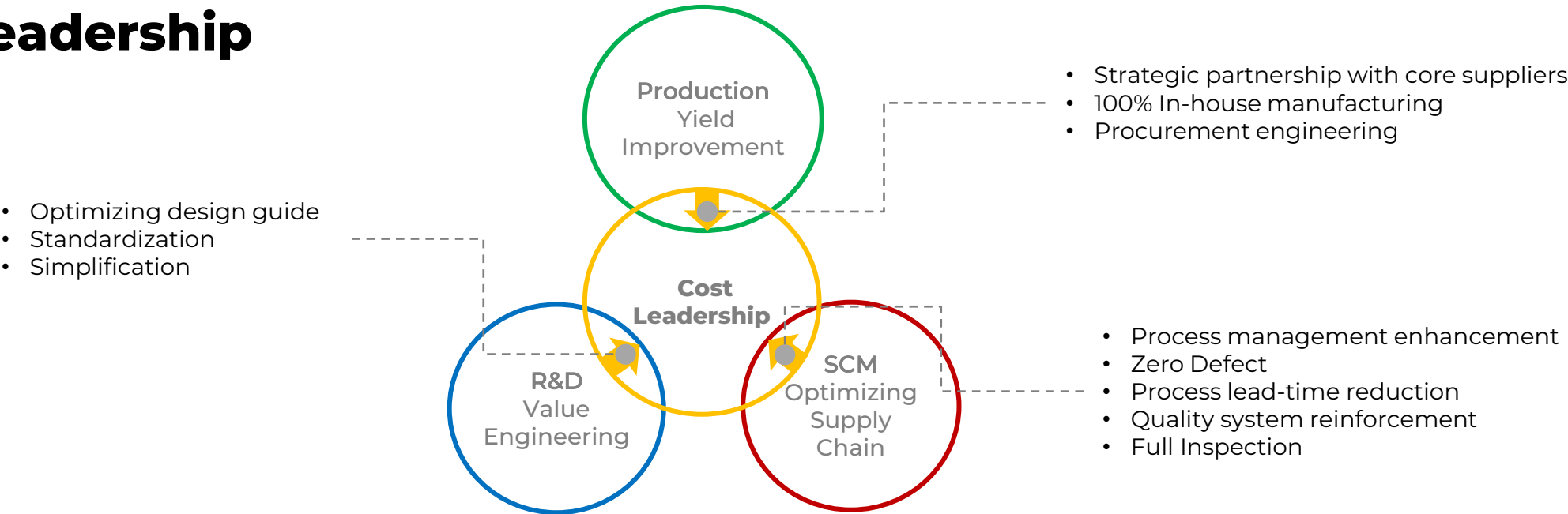
Advanced Quality System

A list of Certifications

- ① Medical Device Manufacturing License
- ② GMP (Good Manufacturing Practice)
- ③ ISO9001 (Quality Management System)
- ④ ISO14001 (Environmental Management System)
- ⑤ ISO13485 (Quality Management System for Medical Devices)
- ⑥ CE, CB, RoHS, UL (Electrolysis water systems)



Cost Leadership



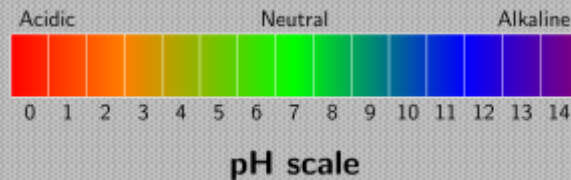
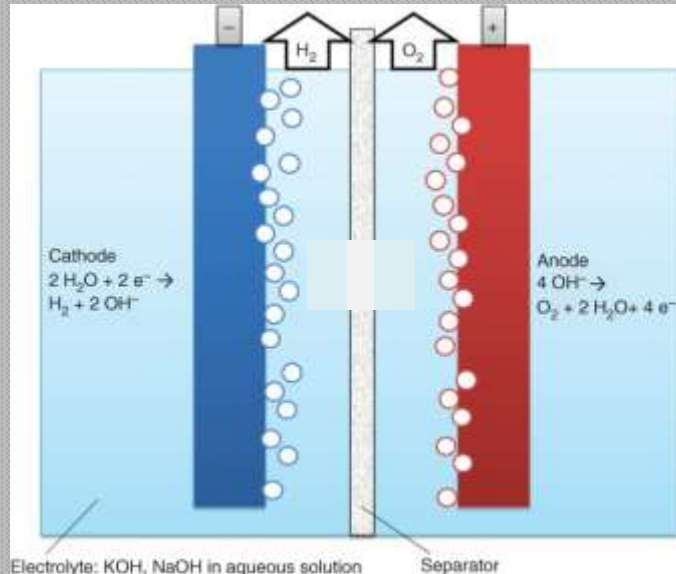
Operational Management



Excellence in Technology



Technology Overview: Water Ionizers



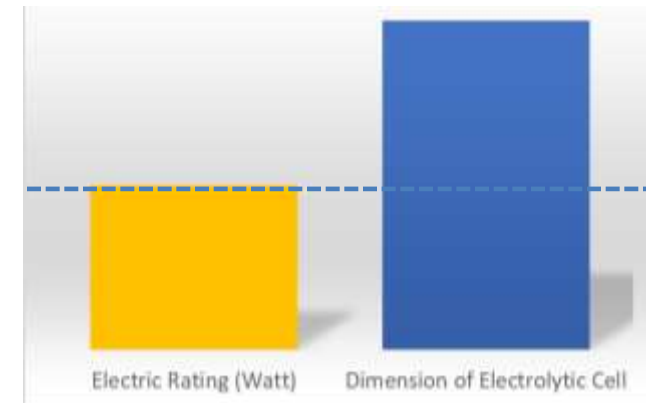
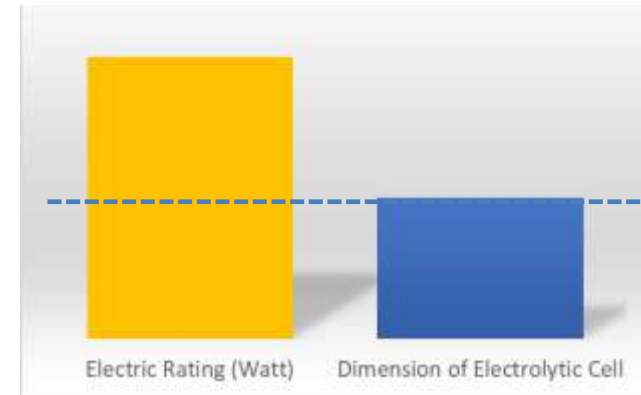
- **WATER IONIZER** purifies source water and then turns it into **ALKALINE water** through the electric decomposition.
- Thus, the performance of water ionizer is dependent upon **purifying** and **alkaline water generating capability**.
- Capability for generating alkaline water is determined by whether to obtain the **target pH and ORP**, and it is important to obtain **the consistent value** regardless of diverse environment for the original water with different TDS level. (*TDS: Total Dissolved Solid)
- To achieve the target, there are two important criteria:
 - 1) **Sufficient electric rating** (wattage)
 - 2) **Total dimension of electrolytic cell** and the optimal level of **balance** is extremely important.

Common Misjudgment in the Market

Many competitors claim that the number of electrode plates determines the performance of water ionizer and the more, the superior.

“However, even if the device is built with more electrode plates, there is a limitation for increasing the performance of pH and ORP unless the electric rating is not sufficient.” (Refer to the bar graph on the right)

*Performance of the device is being adjusted in line with the lower variable



Comparison of Durability for Electrolytic Cell Competitor vs Alkamedi



[Competitor: Manufactured in 2019]

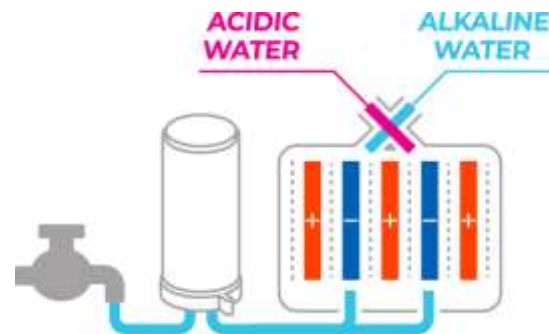
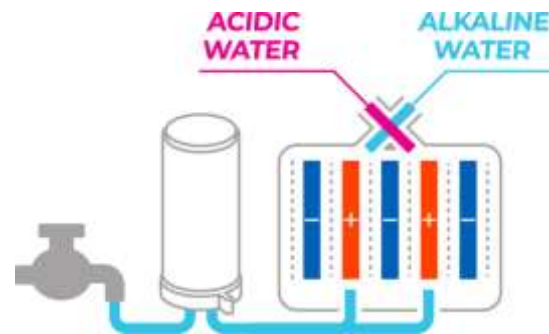


[ALKAMEDI: Manufactured on 2017/07/26]

- Majority of region in the World (approx. 90%) consists of high-hardness water environment and it causes a significant impact on durability of the device by generating calcium scale at the electrolytic cell of water ionizer.
- Consequently, this phenomenon could cause the device to deteriorate the normal function for electric decomposition within a short period of time. (Less than a year, on average)
- Thanks to the Patented technology, **Flow Direction Auto Change System** (Registration No.1010077340000), **electrolytic chambers** produced by ALKAMEDI does not require cleaning process often as that of other producers.

Flow Direction Auto Change System

- Patent in KOREA registered in 2011 with No. 1010077340000
- Electrode polarity changes to the opposite direction after every use that it prevents the scale build-up on electrolytic cells in advance.



Flow Direction Auto Change System

Electrolyzer automatic cleaning with Alkamedi's patented technology

*** Electrode polarity change & Outlet direction change**

Please click below link for the video for better understanding
<https://youtu.be/INHCUp5GTsU>

QUESTIONS FOR MANUFACTURERS WITH SUCH CLAIMS

:RHETORICAL QUESTIONS

Is the performance of pH level & ORP superior, in case it generates the same water quantity?

Does the device not experience the scale issues when dealing with high hardness water environment?

Is the device able to generate the consistent target level of pH and ORP under diverse original water environment with different TDS level?

If yes, can they prove and support all answers to those questions by objective & reliable data?



CORE COMPETITIVENESS OF ALKAMEDI WATER IONIZERS



AUTOMATIC WATER FLOW CHANGE SYSTEM®

We have obtained a globally-patented technology through which our device can resolve such issues and prove that there are no scale issues in using ALKAMEDI water ionizers under a wide range of water hardness environment.

HARDWARE & SOFTWARE TECHNOLOGY WHICH MAINTAINS OPTIMAL BALANCE

The key factors which determine the performance of water ionizer is **purifying capability of filter, electric rating and electrolytic cell.**

We have 20 years of experiences, know-how and massive big data gained from our 32 global partners in 22 different countries through which we can maintain the optimal level of balance between three key factors: **Filtering System, Power Supply and Electric Decomposition.**



Business Proposal

We are in search of strategic win-win partnership in each region, in order to collaborate for the market penetration based on a long-term partnership.

We strongly value our partnership and provide comprehensive marketing support throughout the business cycle.

Please feel free to contact us, in case you are interested in collaboration and growth opportunities.



ALKAMEDI

E-mail: gobiz@alkamedi.com

Website: <http://www.alkamedi.com>

The Water You Need !

Do Alkaline, Do Alkamedi !

