



ONE SHEET OF FOAM, REDEFINING DISHWASHING SIMPLICITY

- DETERGENT-COATED DISHWASHING SHEET
OEM PARTNERSHIP PROPOSAL

Bringing convenience, sustainability, and balance into everyday life.

ABOUT US

GET TO KNOW US BETTER

ARD Co., Ltd. is an R&D-driven company specializing in the development of cosmetic and household consumer products based on proprietary technologies, leveraging its formulation expertise to deliver safe and skin-friendly household cleaning solutions.

Through our patented AeroFoam technology, we have developed a detergent-coated scrubber, establishing a differentiated product platform in the kitchen cleaning category.

ARD connects technology development with product commercialization, expanding the household consumer market through OEM manufacturing and global distribution partnerships.



PROPOSAL OVERVIEW

TECHNOLOGY BY ARD



ARD is an R&D-based company built on AeroFoam technology. We have developed a detergent-coated dishwashing sheet that enables simple and efficient dishwashing with water only.

Market Validation:

- Supplied through major domestic retail channels
- Distributed through QVC Japan and DAISO Japan
- Expanding into the global household consumer market

Based on our patented coating technology, we propose OEM manufacturing and supply partnerships.



MARKET OPPORTUNITY



Consumers are increasingly seeking simpler and more efficient kitchen cleaning solutions.

Demand continues to grow for products that provide both convenience and hygiene.

Key Market Drivers

Repetitive purchase consumer goods

Growing demand for convenient cleaning solutions

Expansion of disposable and portable cleaning products

Kitchen cleaning products are high-frequency consumables, creating a stable market driven by continuous repeat purchases.

Global Market Growth / Global Kitchen Cleaning Market

Annual Growth Rate: ~5–7% CAGR

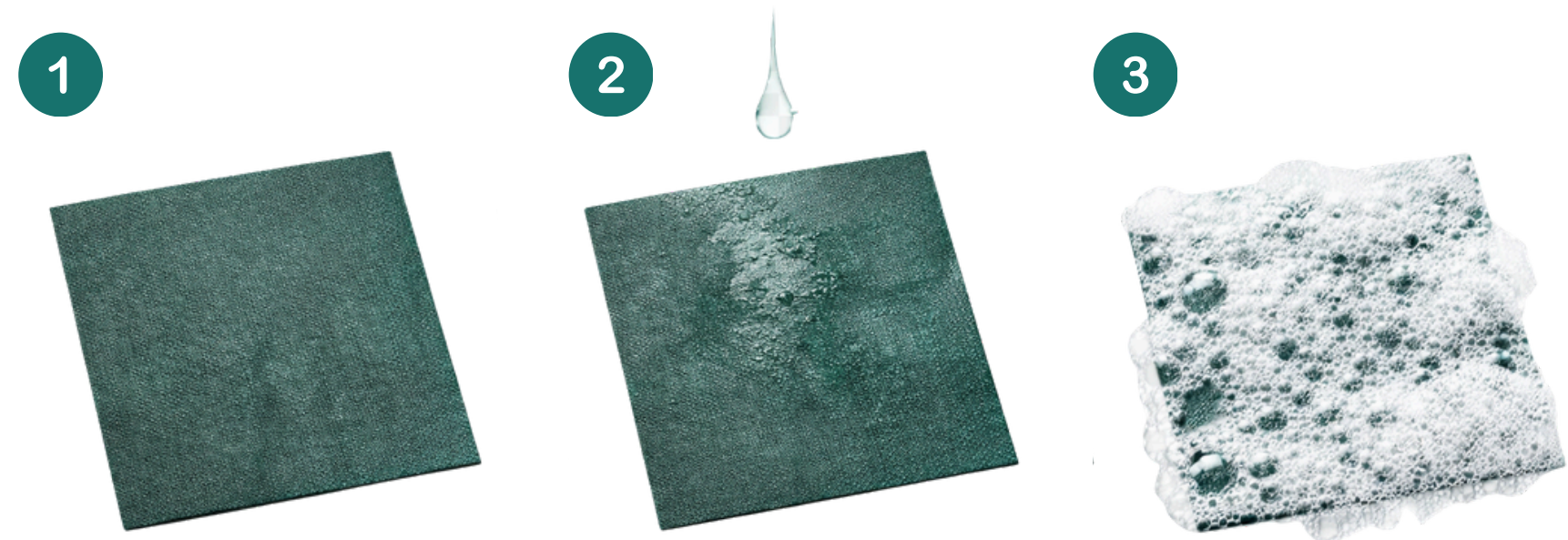
Driven by increasing demand for convenience, growing hygiene awareness, and evolving lifestyles, the global kitchen cleaning products market is expected to continue expanding.



PRODUCT CONCEPT

DETERGENT-COATED DISHWASHING SHEET

This product is a disposable sheet coated with detergent, enabling dishwashing with water only — no additional detergent required. The detergent is evenly coated onto the sheet surface, enabling the product to be stored in a dry and lightweight form. When it comes into contact with water, it instantly generates rich foam for effective cleaning.



KEY PRODUCT ADVANTAGES

01 Patented Detergent Coating Technology

Our patented coating technology allows effective cleaning without additional dish detergent.

02 Repeat Purchase Consumer Product

Kitchen cleaning products are used frequently, resulting in continuous repeat purchases.

03 Expandable Product Line

The product can be expanded into multiple SKUs such as: Household use/Portable use/ Specialized cleaning applications



04 Proven Global Distribution

The product has already been validated in the market through distribution via DAISO Japan and QVC Japan.

PRODUCT PORTFOLIO



60 sheets
(Family use)

100 sheets
(Small households)

50 sheets

Household Dishwashing Series



5 sheets
(travel/camping)

100 sheets
(for tumblers / PET supplies)

Portable / Special Series



60 sheets × 3 rolls + holder
60 sheets × 4 rolls + holder

Premium Gift Packages

DISTRIBUTION PROOF

Proven Distribution & OEM Track Record

Brand Distribution



QVC Japan / Lotte Mart

PB Product



DAISO Japan / JAJU

OEM Product



Emart / Five star

AeroFoam Technology

Based on patented coating technology and brand assets, ARD secures strong OEM competitiveness and a stable foundation for business expansion.

세제 코팅층 (Coating Layer)
 고농축 주방세제를 균일하게 코팅
 High-concentration detergent coating for instant foam activation

폴리프로필렌 원단층 (Base Layer)
 미세플라스틱 無, 재활용가능
 PP nonwoven base layer-
 microplastics-free and recyclable

INTELLECTUAL PROPERTY



Patent No. 10-2784493
Disposable antibacterial scrubber coated with dish detergent and its manufacturing method.



Trademarks
한장팡팡 & WELUP

BUSINESS STATUS & CORE COMPETENCIES



IP

- 1 Patent
- 4 Trademarks

Sales Channel

- Lotte Mart
- Emart
- Emart Everyday
- Home shopping
- Online channels

Distribution

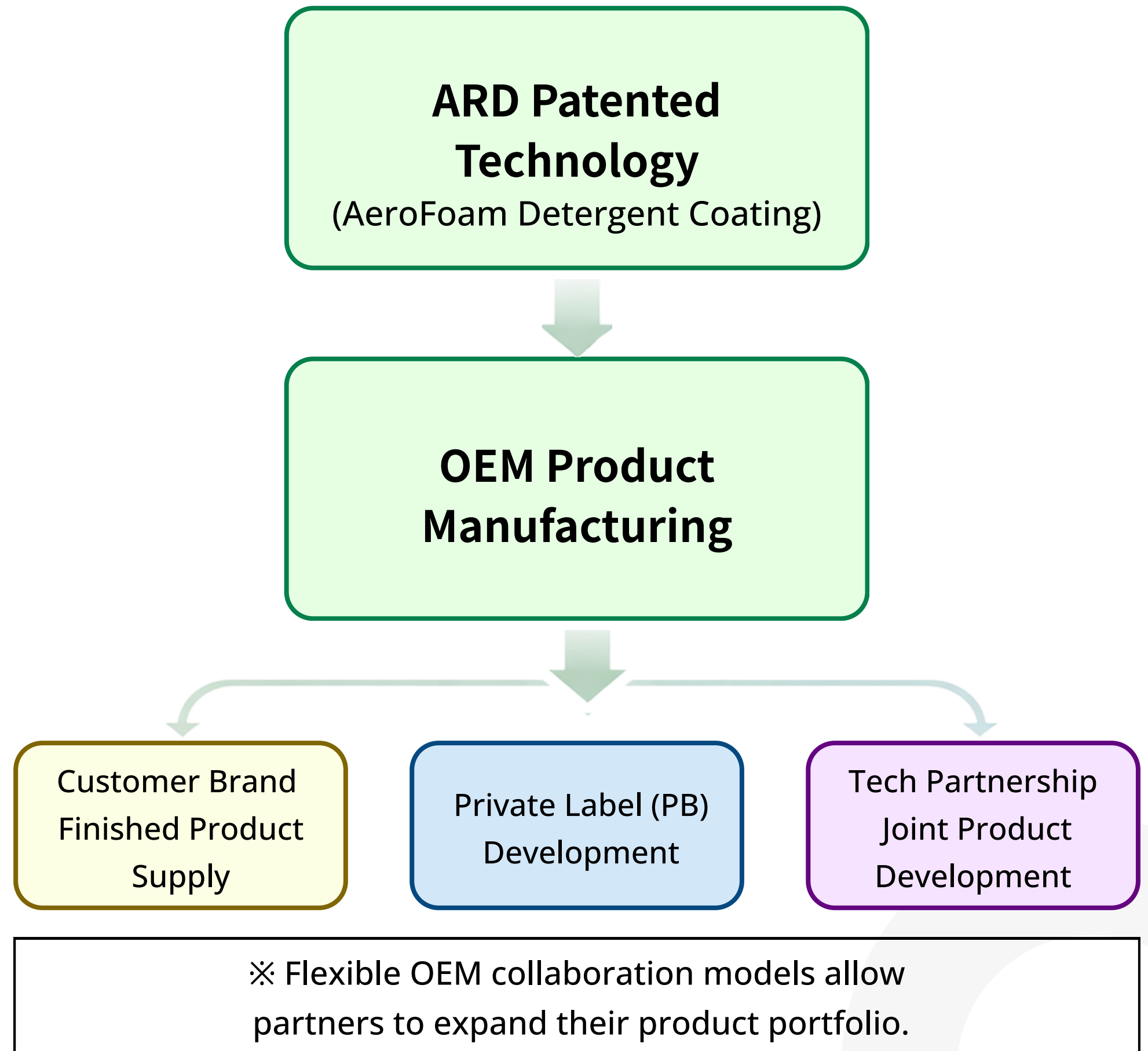
- DAISO JAPAN
- QVC JAPAN
- Shinsegae
- International JAJU

Technology

AeroFoam
Technology

OEM MODEL

- 1 OEM Supply**
 - Finished detergent-coated scrubber supply
 - Customer brand manufacturing available
- 2 Co-Brand / PB Development**
 - Joint brand development
 - Customized products for distribution channels
- 3 Technology Collaboration**
 - Expansion of products applying coating technology
 - Joint development of new kitchen cleaning products



PRODUCTION & SUPPLY SYSTEM

01 Detergent Manufacturing

Produced by a professional detergent manufacturer (ISO22716 certified)

02 Scrubber Material Supply

Supplied by our manufacturing partner in China

03 Detergent Coating Process

Patented coating technology applied (Clean room production)

04 Final Product Processing

OEM production line operation



※ Based on this stable production network, quality control is ensured at each stage of production .ARD provides reliable OEM supply.

OEM PARTNERSHIP BENEFITS

01

Faster Product Development

New products can be launched faster by utilizing our existing coating technology.

02

Expansion of Categories

Brands can expand their product portfolio with kitchen cleaning consumables.

03

Repeat Purchase Product

Consumable product characteristics generate continuous repurchase demand.

04

Reliable Product Supply

With existing production and distribution experience, stable and reliable supply is ensured.

05

Global Market Expansion

Differentiated coating technology enables competitiveness in overseas markets.



OEM SUPPLY TERMS

OEM Type	Finished product OEM supply
Brand	Customer brand production available
Packaging	Custom packaging design available Size and sheet count customizable
MOQ	10,000 ~ 20,000 units / SKU
Lead Time	30 ~ 45 days
Certification	Hygiene product manufacturing report(KR) safety compliance(KR)
Supply Terms	EXW / FOB negotiable
Payment	50% deposit / 50% before shipment(T/T)

※ OEM pricing will be provided after finalizing package specifications (size & sheet count).

OEM PRICING

Item	Sheet Size	MOQ	OEM Price	Suggested Retail Price
60 sheets (L)	20 × 22cm	10,000 units	2,800 KRW	9,900-12,000 KRW
50 sheets (L)	20 × 22cm	10,000 units	2,500 KRW	8,000-8,500 KRW
120 sheets (M1)	10 × 22cm	10,000 units	2,900 KRW	
100 sheets (M1)	10 × 22cm	10,000 units	2,600 KRW	
50 sheets (M2)	20 × 11cm	20,000 units	1,450 KRW	
100 sheets (S)	10 × 11cm	20,000 units	1,500 KRW	
5 sheets (L)	20 × 22cm	50,000 units	430 KRW	2,000 KRW

※ Package specifications (size & sheet count) can be customized beyond the above options.

※ The above prices are based on standard specifications and may vary depending on order quantity and packaging conditions.

※ Additional price adjustments are available for bulk orders.

PARTNERSHIP PROPOSAL

OEM PARTNERSHIP SCOPE

- 01 Stable Supply of Detergent-Coated Products
- 02 OEM Production Under Customer Brands
- 03 Joint Product Development
- 04 Global Distribution Expansion



Leveraging ARD's proprietary detergent coating technology, We look forward to building a successful partnership together.





THANK YOU

FOR YOUR NICE ATTENTION

