

SAMHWA

2022
SAMHWA
RESEARCH &
DEVELOPMENT



SAMHWA

**2022 SAMHWA
RESEARCH AND DEVELOPMENT**



Corporate philosophy

For the past 40 years following our motto, integrity, humility and creativity, Samhwa has been at the forefront in domestic cosmetic packaging market.

Instead of pursuing a rapid growth, Samhwa steady and consistently focused in creativeness for innovation with continuous investment in our R&D and was able to promote and introduce GLOBAL MEGA HIT innovative product.

However over the past 40 years, the most significant growth driver was the pursue of our company motto to make wise decisions within fast-changing internal and external environmental factors.

Samhwa co., Ltd envision a right path toward the future with new synergies to continuously bring innovative product to our customers.



R&D philosophy

Samhwa started business with mold engineering. Over 40 years of capitalized knowhow on mold engineering and technology bring Samhwa to lead and continuously innovate by developing top leading airless and airtight cosmetic products. Based on our expertise in mold engineering and technology, our R&D is concentrating on developing new innovative product with high quality standard and competitiveness within the cosmetic industry.

Lately, we have focused on developing INNO-ECO-Products following the current market trend of favoring eco-friendly products satisfying the 3R aspects (Recycle / Reduce / Reuse). As a result of huge efforts, we were able to successfully develop a new pumping technology and a refill system structure that can combine simplicity and convenience of use. Through the progress, we have taken a step closer to our aim to satisfy the customer and as well consumer who use SAMHWA product.

INNO-ECO-Products are safe for brands, consumers, and environment. Samhwa will offer the right quality of products to fulfil the customer's complete satisfaction.



**CONFERENCE
ROOM**







Samhwa is promptly handling the entire processes with an all-in-house system. In addition, from cosmetics and daily supplies to medicine and medical supplies, Samhwa is a comprehensive plastic manufacturer that designs, produces and sells plastic-based everyday tools, which make up an irreplaceable part of our lives. Considering environment and future, Samhwa is researching & developing BLOW / ECO PUMP / CUSHION products and introducing them under Samhwa's packaging Mazel brand.

new developments in samhwa



2022 SAMHWA R&D

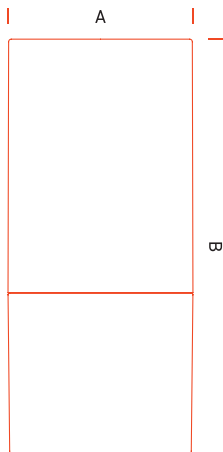
INNOVATION

SAMHWA keep pushing technical boundaries in each of our new innovative products to combine rapid changing consumer beauty trend needs and sustainable responsibility with the goal to make a step closer in our aim to satisfy our customers and as well consumers who will use SAMHWA innovation.

NEW DEVELOPMENTS

Refillable Stick

Refill stick container with airtight function to keep the contents fresh



SAI-15BM-01-A

Volume
15g

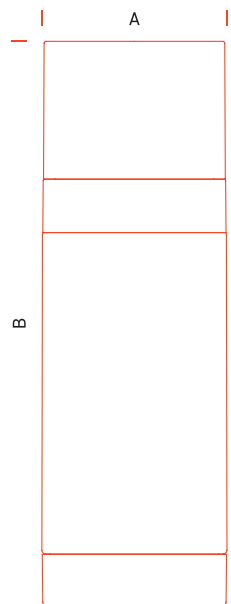
Size
A: \varnothing 35mm / B: 82mm

Material
All parts PP

NEW DEVELOPMENTS

Master Blending

A container that can be used by mixing the formulas by controlling the discharge amount ratio of the two formulas



DMA-45DM-01-A

Volume
80ml (40+40)

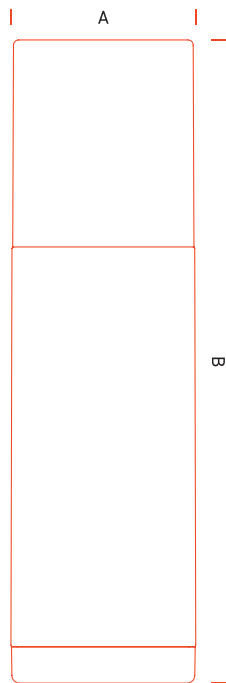
Size
A: \varnothing 48mm / B: 149mm

Material
Outer Body: PETG
Other parts: PP

NEW DEVELOPMENTS

TL Focus

A new crystal clear package with a centered flow but without the need of straw or piston



ETL-50CM-01-B

Volume
50ml

Size
A: \varnothing 36mm / B: 125mm

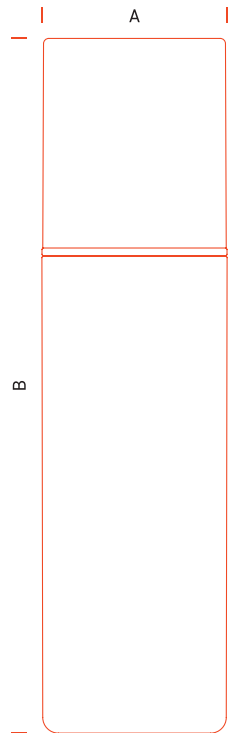
Material
Outer Body, Inner Body, Cap
: PETG
Other parts: PP



NEW DEVELOPMENTS

TL Wide

A new crystal clear package without the need of straw or piston



ETL-50CM-01-A

Volume
50ml

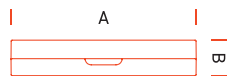
Size
A: \varnothing 35mm / B: 133mm

Material
Outer Body, Inner Body, Cap
: PETG
Other parts: PP

NEW DEVELOPMENTS

Slim Palette

Slim palette with a sense of quality featuring Samhwa double injection technology to protect the formula



CDS-E05M-01-A

Volume
4.8g (4x1.2g)

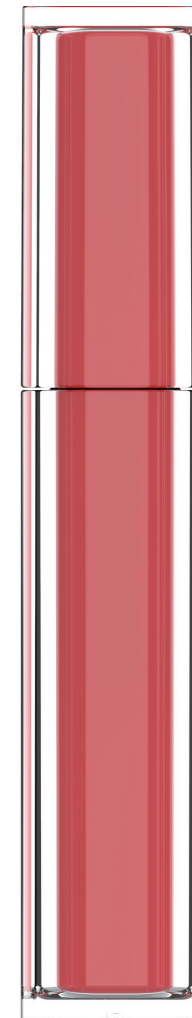
Size
A: 60x63mm / B: 12mm

Material
Body: PETG
Other parts: PP

NEW DEVELOPMENTS

Slim Lip Gloss

Slim lip gloss with a sense of quality featuring Samhwa double injection technology to protect the formula



LSQ-006M-02-A

Volume
5.5g

Size
A: 19x19mm / B: 98mm

Material
Outer Body, Stem: PETG
Other parts: PP



INNO-ECO PUMP

Focusing more on developing materials that make innovative products stand out and focus on research and development of rubber, textile, metal, and glass as well as plastic materials. Recently, we have succeeded in commercializing them in cooperation with material partners on the goal of developing eco-friendly materials.

As well, Samhwa invest to develop injection machine, tool and decoration technologies to implement new materials. Based on material specialization, Samhwa can meet customer demand by implementing their brand image through packaging.

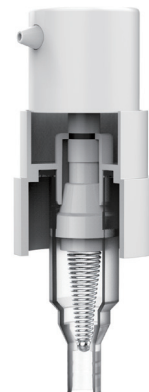
VER. I

Output
0.15cc
0.20cc

Model year
1990~

Structure
Internal spring
SUS Ball valve type

Feature
Strong durability
Risk of contamination by metal



VER. II

Output
0.10cc
0.15cc
0.20cc
0.25cc
0.30cc
0.50cc
0.70cc
1.00cc

Model year
2000~

Structure
External spring
PE Disk valve type

Feature
Prevent contamination by metal
Delivery / Cost improvement with module system



VER. III

Output	
0.15cc	0.80cc
0.20cc	2.00cc
0.30cc	3.00cc

Model year
2020~

Structure
Bi-injected Eco spring
Only Polypropylene used

Feature
No Metal Spring
No POM
Mono Material

— PATENT PENDING —



ECO ENGINE

ECO Slim Airless

Slim airless that is easy to recycle by applying eco-friendly materials



AES-015M-01-A

Volume
15ml

Size
A: Ø28mm / B: 96mm

Material
All parts PP

AES-030M-01-A

Volume
30ml

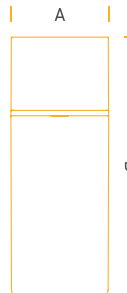
Size
A: Ø28mm / B: 133mm

Material
All parts PP



ECO P1/ P2 AIRLESS

Easy to recycle by applying eco-friendly materials.
Airless with a smooth design



P1: AEP-030M-01-A

Volume
30ml

Size
A: Ø36mm / B: 68mm

Material
All parts PP

P1: AEP-050M-01-A

Volume
50ml

Size
A: Ø36mm / B: 93mm

Material
All parts PP

P2: AEP-100M-01-A

Volume
100ml

Size
A: Ø45mm / B: 126mm

Material
All parts PP

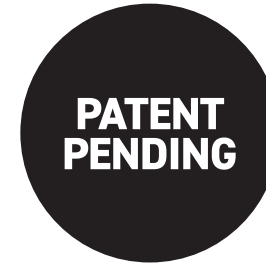


ECO ENGINE

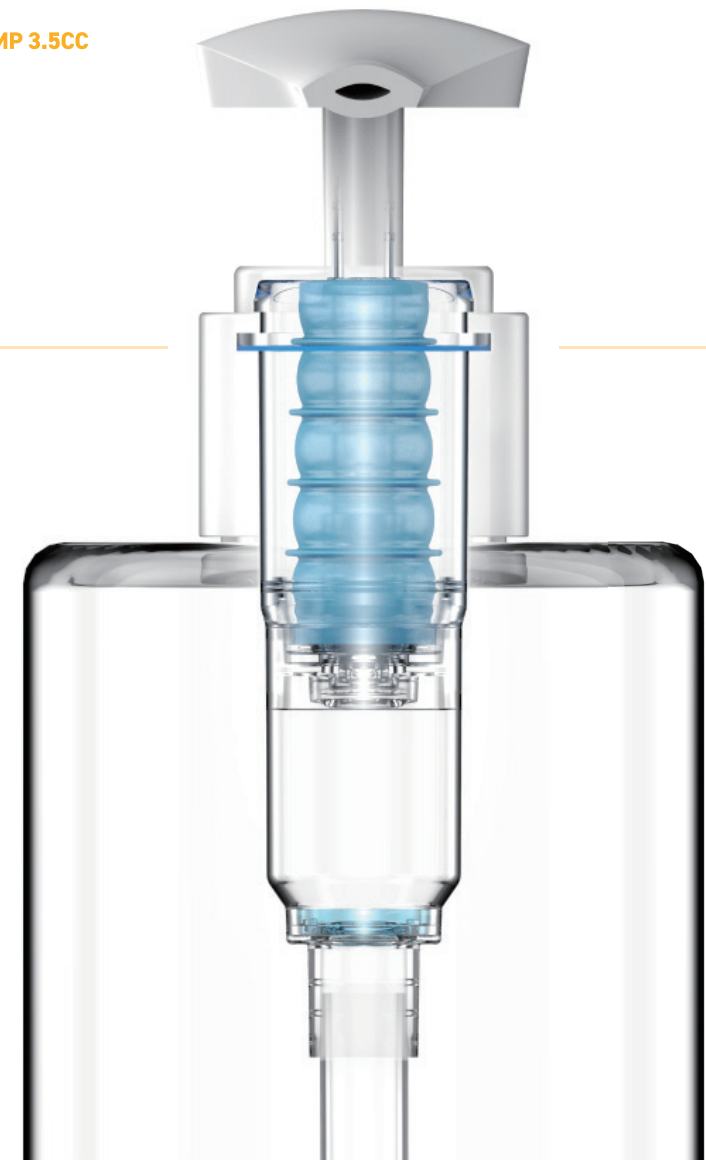
D/P ECO PUMP

The mono material engine is engineered with removing the use of POM (harmful raw material to consumer) to protect consumer.

The engine implement an all PP mono material spring to prevent formula contamination as well as respecting environmental needs.



202 ECO PUMP 3.5CC



No Metal spring
No POM
Mono Material

Development of eco-friendly materials

Focusing more on the development of materials that make innovative products stand out and focus on research and development of rubber, textile, metal, and glass as well as plastic materials. Recently, we have succeeded in commercialising them in cooperation with material partners on the goal of developing eco-friendly materials.

As well, Samhwa invest to develop injection machine, tool and decoration technologies to implement new materials. Based on material specialisation, Samhwa can meet customer demand by implementing their brand image through packaging.

Sustainable Materials - PCR(post)

Through cooperation with domestic and foreign petrochemical manufacturers, we have secured more than 90% of needed raw materials to produce Samhwa's freemold products. We will expand as well our investment with the aim to secure reliability on functional parts and enhancing appearance quality.



Safe Materials Antimicrobial Activity

With improved living standards and growing interest in personal hygiene, consumer needs are increasing to find a safe material that is resistant to germs in everyday life as well as being harmless to the human body and environment. Samhwa is making every effort to develop antibacterial materials and to study the structure to maintain its continued antibacterial properties.

Inno-Eco-Glass Bottle

Compared to plastic materials, glass is generally used for perfume and cosmetic package with the advantage of recyclability, chemical resistance, transparency and heavy weight. Capitalising on these advantages, Samhwa has successfully launch glass cosmetic package which meets aesthetic and functional requirement. Samhwa next step is to develop foundation or color cosmetic package taking advantage of the glass material property.

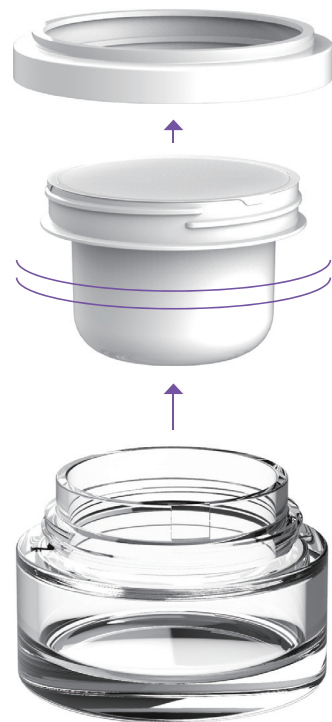


REUSE : Refill Mechanism

With continuous research on consumers / customers specific needs and extensive market research, our R&D developed and engineered innovative way to design the next generation eco-friendly product. Samhwa implemented patented refill mechanism across our product line-up to bring to our customer simplification for refill filling industrialization and as well for consumers a simpler way to reuse their product.

Jar Type Reuse

TURN TO REFILL



Glass Refill Jar

Material
Outer Body: GLASS
Inner Cap, Refill: PP
Other parts: PETG

Jar Type Reuse

PUSH TO REFILL



Push Refill Jar

Material
Outer Body: PETG
Refill: PP
Other parts: PCR ABS



Airless Type Reuse

TURN TO REFILL

Glass Refill Airless V2

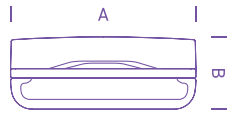
Material
Outer Body: GLASS or PET
Other parts: PP



REFILL & ECO

GL Blow Eco Pact

Pact with a large capacity airtight refill system. Introduce a new way to refill a pact: 'turn to refill'



CEB-030M-01-A

Volume
30g

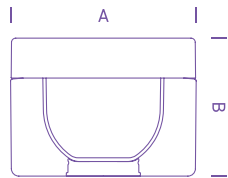
Size
A: Ø76mm / B: 29mm

Material
Bottom Case: PET
Other parts: PP



Push Refill Jar

'Push to refill', the new elegant and luxurious way to refill a jar



JPR-050M-01-A

Volume
50g

Size
A: Ø74mm / B: 55mm

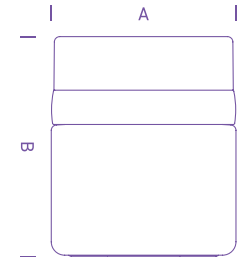
Material
Outer Body: PETG
Refill: PP
Other parts: PCR ABS



REFILL & ECO

Eco AJ Touch Refill Jar

Hygienic jar as the contents do not come into direct contact with your hands. Glass touch container with anti-bacterial material and eco-pump applied



JAJ-050M-01-A

Volume
50g

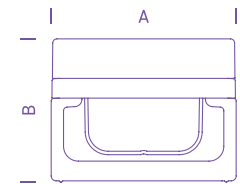
Size
A: Ø69mm / B: 76mm

Material
Outer Body: GLASS
Other parts: PP



Glass Refill Jar V2

A luxurious glass refillable jar that can be easily refilled by just turning the shoulder



JGR-050M-01-B

Volume
50g

Size
A: Ø75mm / B: 57mm

Material
Outer Body: GLASS
Inner Cap, Refill: PP
Other parts: PETG



Glass Refill Airless / DP / Eco Mist

Luxurious Airless, DP and Mist featuring Samhwa eco pump and refill system



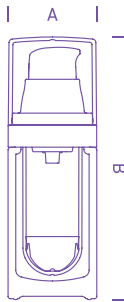
Airless



DP



Eco Mist

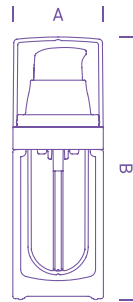


Airless: AGR-015M-01-A
DP: DGR-015M-01-A
Mist: DGR-34MM-01-A

Volume
15ml

Size
A: Ø37mm / B: 113mm

Material
Outer Body: GLASS or PET
Other parts: PP

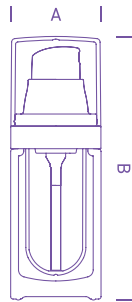


AGR-020M-01-A
DGR-020M-01-A
DGR-34MM-02-A

Volume
20ml

Size
A: Ø37mm / B: 124mm

Material
Outer Body: GLASS or PET
Other parts: PP



AGR-030M-01-A
DGR-030M-01-A
DGR-34MM-03-A

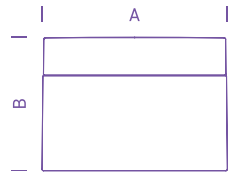
Volume
30ml

Size
A: Ø37mm / B: 159mm

Material
Outer Body: GLASS or PET
Other parts: PP

Eco Jar

Eco-friendly all PP jar for easy recyclability



JPC-050M-01-A

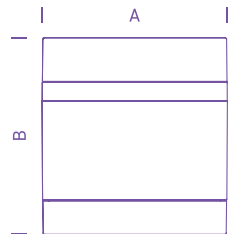
Volume
50g

Size
A: Ø64mm / B: 46mm

Material
All parts PP

Eco Dial Jar

Eco-friendly product designed and structured in all PP mono material for easy recyclability. Featuring hygienic delivery system with innovative way to delivery formula compared to traditional jar



JDC-050M-01-A

Volume
50g

Size
A: Ø69mm / B: 73mm

Material
All parts PP

RELIABLE PACKAGING

Protect your everyday with reliable packaging

Research and development on safe material as well as development of touch-less packaging, Samhwa push forward for more safe and reliable packaging to protect consumer everyday life in any condition.

Samhwa's INNO-ECO-PUMP, touch-less, inter-changeable surface with safe material products bring more protected packaging solution for the customer.



Easy to Wash

Elastomer

MTSP

Material
Piston: LLDPE
Holder: LLDPE
Other parts: PP

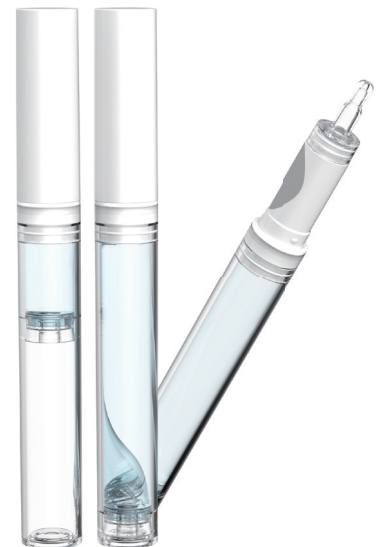


Spoid Push Ampoule

Material
Piston: LLDPE
Other parts: PP

Medi Ampoule

Material
All parts: PP



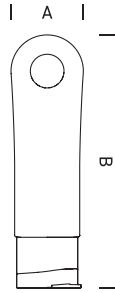
Rolling Serum

Material
Cap, Body: PETG
Piston: LLDPE
Other parts: PP

RELIABLE PACKAGING

Butterfly Hinge Sanitiser

Simple and fashionable portable sanitizer.
Can be strapped as well to be ready in anytime



B24-030R-01-A

Volume

30ml

Size

A: 32mm / B: 113mm

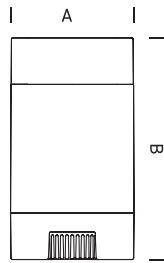
Material

All parts: PP



MTSP

New stick design package with applicator which is
easy to clean. Always clean for daily usage



SMT-065M-01-A

Volume

65g

Size

A: 66mm / B: 119mm

Material

Piston: LLDPE

Holder: LLDPE

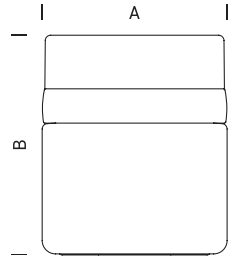
Other parts: PP



RELIABLE PACKAGING

AJ Refill Cream Jar

Hygienic jar as the contents do not come into direct
contact with your hands. Airless touch container with
anti-bacterial material applied



AAJ-050M-01-C

Volume

50g

Size

A: Ø67mm / B: 76mm

Material

Outer Body: PETG

Other parts: PP

AAJ-030M-01-C

Volume

30g

Size

A: Ø62mm / B: 64mm

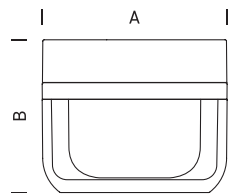
Material

Outer Body: PETG

Other parts: PP

New Hinge Refill Jar

New jar that can be stored and used cleanly with a
lid combined with an inner container



JRE-050M-01-A

Volume

50g

Size

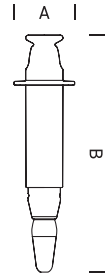
A: Ø69mm / B: 57mm

Material

All parts: PP

Medi Ampoule

An ampoule container that is easy to use and easy to carry



EME-01CM-01-A

Volume

1.5ml

Size

A: 17mm / B: 65mm

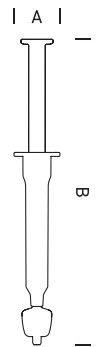
Material

All parts: PP



Spoid Push Ampoule

Inspired by the design of a classic syringe.
An ampoule container that is easy to use and easy to carry



ASP-015M-01-A

Volume

1.5ml

Size

A: 17mm / B: 110mm

Material

Piston: LLDPE / Other parts: PP



Rolling Serum

Featuring 3 specific applicator for targeted usage.
Enhanced soft push side button system to deliver precisely each single formula drop



**ARR-010M-01-A
METAL BALL TIP**

Volume

10ml

Size

A: Ø17mm / B: 136mm

Material

Cap, Body: PETG

Piston : LLDPE

Other parts: PP

**ARR-010M-01-B
SPOID TIP**

Volume

10ml

Size

A: Ø17mm / B: 144mm

Material

Cap, Body: PETG

Piston : LLDPE

Other parts: PP

**ARR-010M-01-C
SILICONE TIP**

Volume

10ml

Size

A: Ø17mm / B: 144mm

Material

Cap, Body: PETG

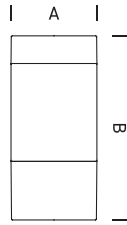
Piston : LLDPE

Other parts: PP



Basic Ampoule

A container that can be used drop by drop as much as you want with the push of a button



EBA-10CM-01-A

Volume
10ml

Size
A: Ø27mm / B: 59mm

Material
Outer Body: PETG
Other parts: PP

EBA-15CM-01-A

Volume
15ml

Size
A: Ø27mm / B: 82mm

Material
Outer Body: PETG
Other parts: PP



2 in 1 Push Ampoule

One step push provide a fresh mix of 2 combined formula delivered at once



EMA-C10M-01-A

Volume
8ml + 2g

Size
A: Ø27mm / B: 82mm

Material
Outer Body: PETG
Other parts: PP



RG Ampoule

Versatile for use in a variety of capacities Ampoule container to use at the push of a button



ERG-M15M-01-A

Volume
15ml

Size
A: Ø29mm / B: 87mm

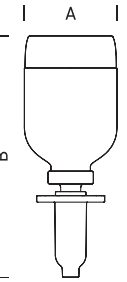
Material
Cap, Body: PETG
Other parts: PP

ERG-10CM-01-A

Volume
10ml

Size
A: Ø29mm / B: 72mm

Material
Cap, Body: PETG
Other parts: PP



ERG-05CM-01-A

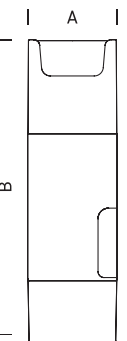
Volume
5ml

Size
A: Ø26mm / B: 87mm

Material
Cap, Body: PETG
Other parts: PP

2 in 1 Twister Ampoule

A twist provide a fresh mix of 2 combined formula delivered at once



ETA-C20M-01-A

Volume
10ml + 10ml

Size
A: Ø30mm / B: 100mm

Material
Cap, Body: PETG / Other parts: PP





Blow Development

Samhwa co., Ltd has been leading the global skincare market with airless and dispensing pump product, as well as the global makeup market with the World's Best airtight compact.

With continuous investment in business expansion, in 2018, Samhwa expanded it's operation to enter the household product market by building a blow facilities.

With over 40 years of experience and technology knowhow, Samhwa will bring the innovative blow product to the cosmetic market as well as the household market.

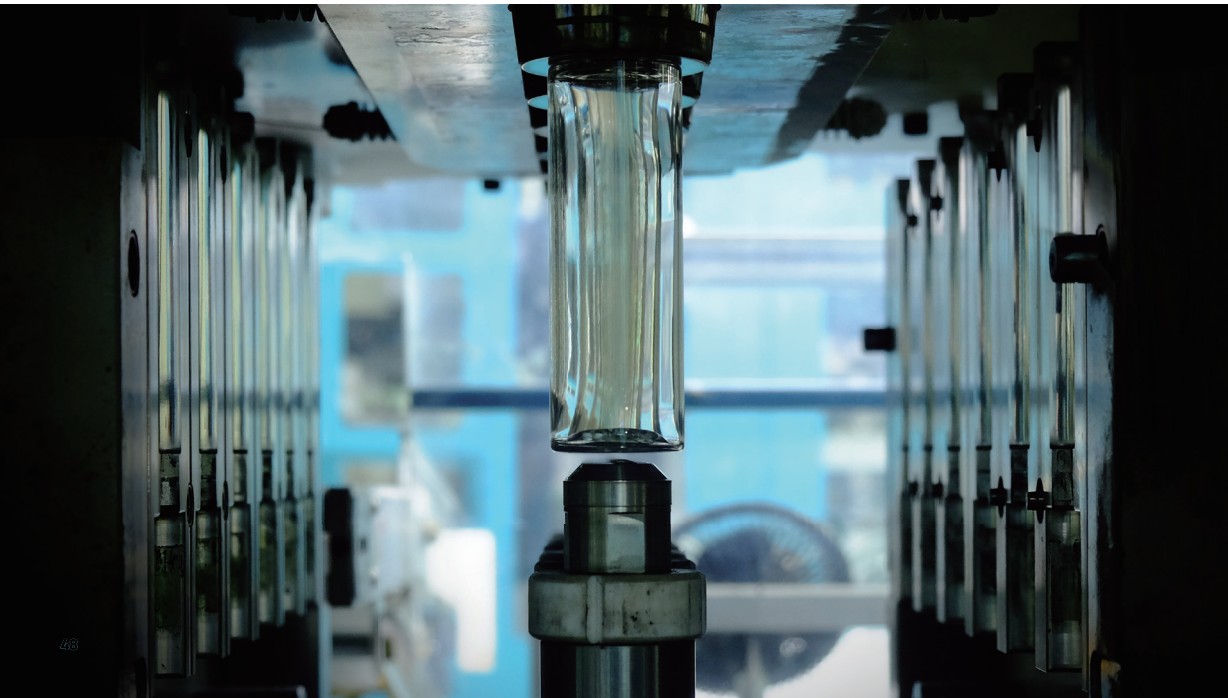
Heavy blow method container made



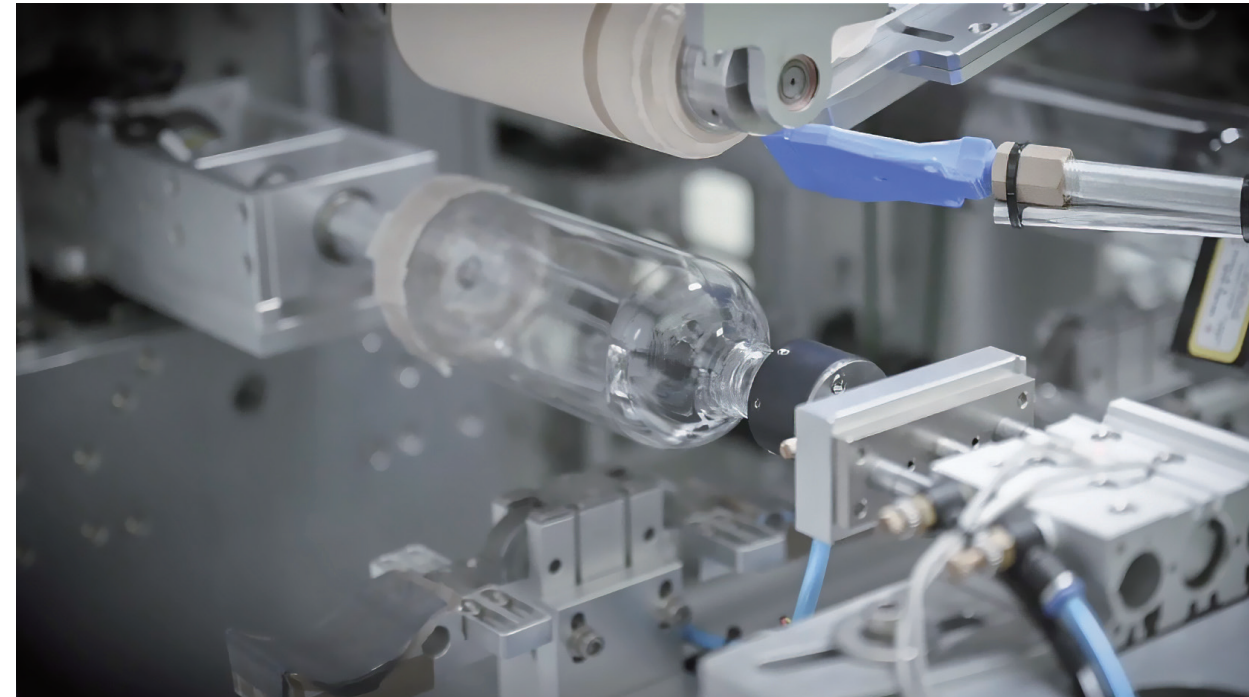
Blow injection machine line

Core Technology

Lighter than glass, unbreakable, and has the same effect as glass (increased price competitiveness)
Various designs and post-processing available



Based on our mold knowhow, we are planning and developing a wide range of product.
We are also developing products in collaboration with domestic and foreign customers.



Auto label application process

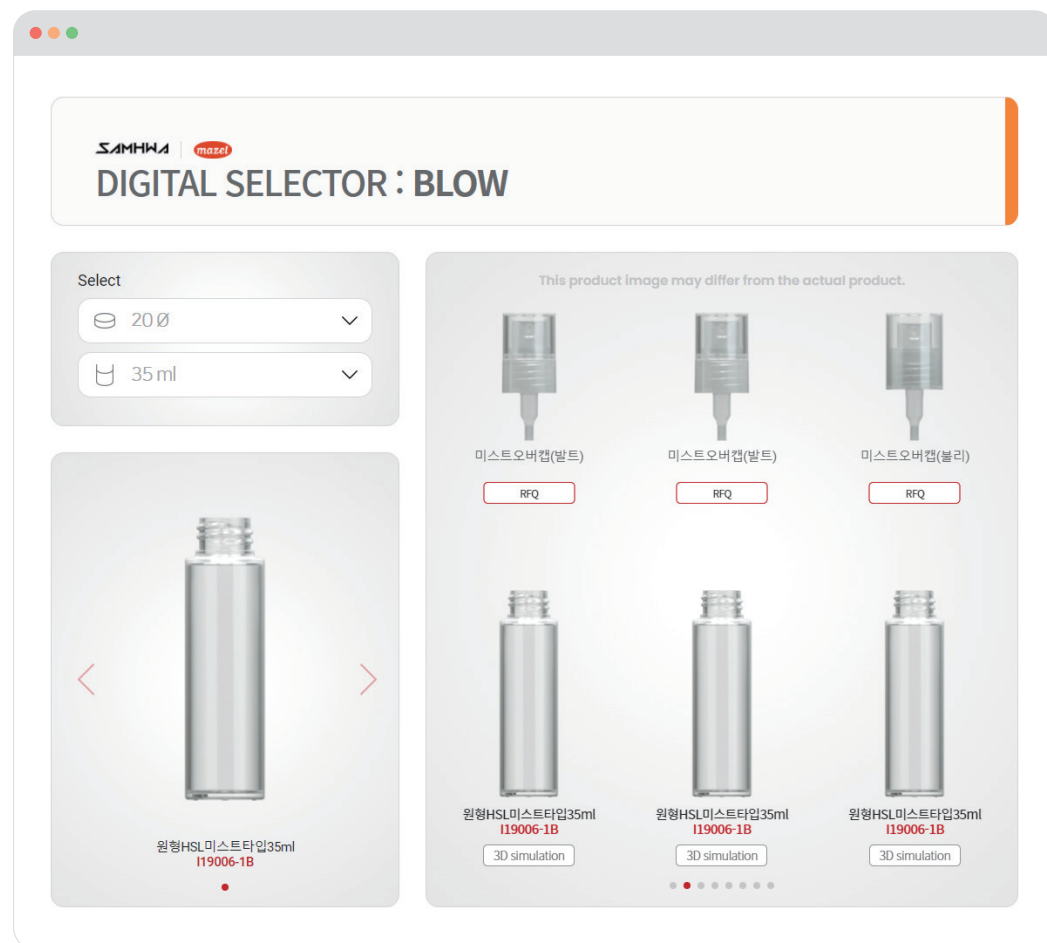
Finished blow bottle line output



SAMHWA Blow Digital Catalog

www.samhwakorea.com

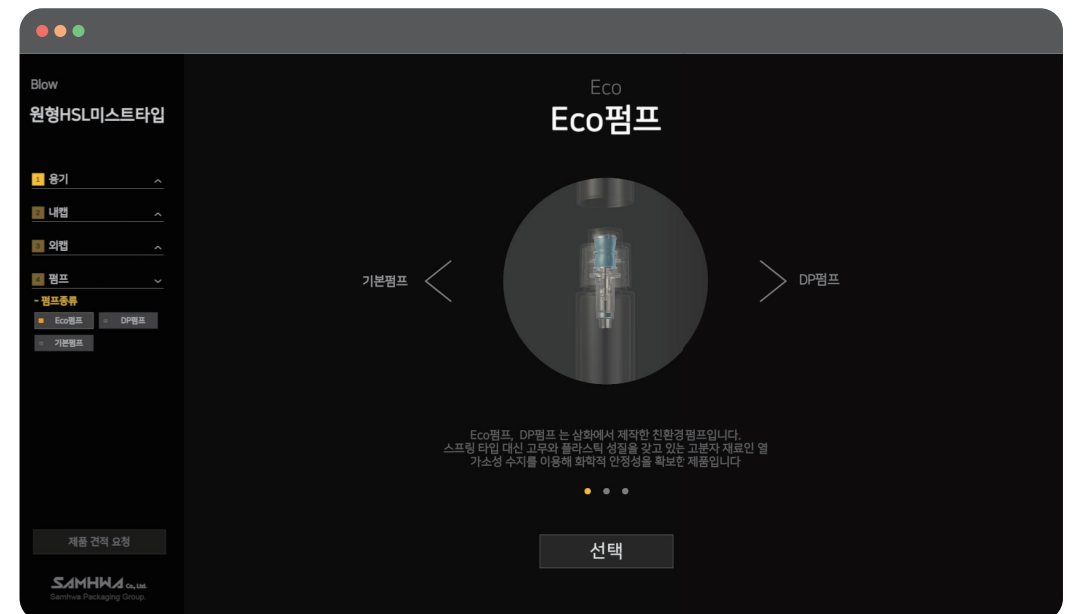
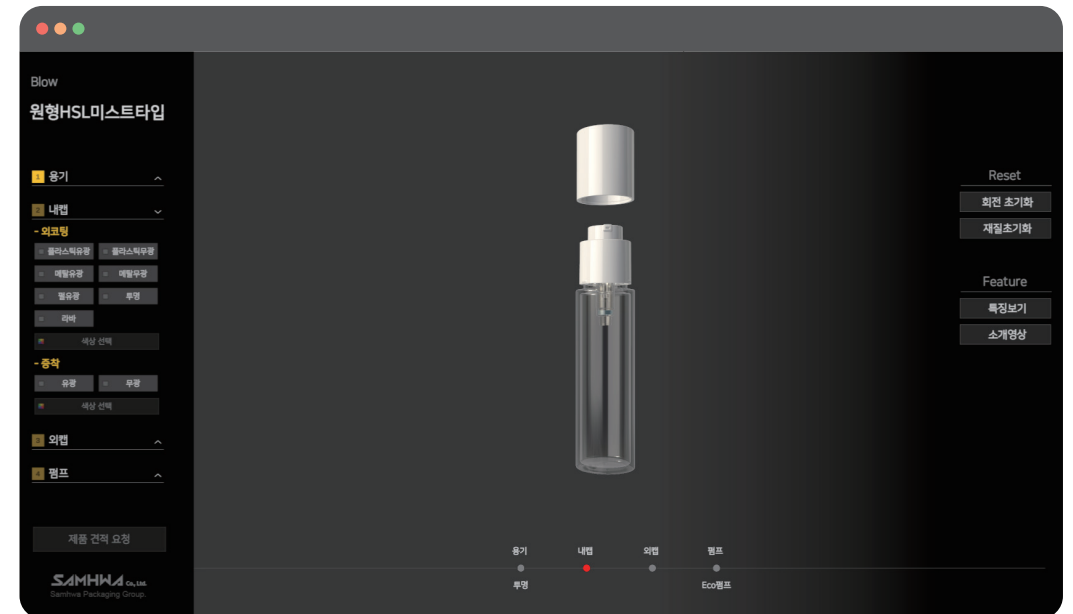
Navigate BLOW bottles and combination by neck size and bottle capacity

















MMP Simulation

3D simulation experience

Detailed product selection
 Product Details
 Product Features
 3D Rotation View
 Request A Quote



Bottle

6.5ml	30ml	35ml	40ml	43ml	50ml
 Slim Shaker Ø17	 Hidden Ø18	 HSL Ø20	 Smart Dropper Ø18	 Classic Circle Ø20	 Hexa_GPC Ø18
	 Boston Ø18		 Classic Circle Ø20		 TR Ø20
					 CRX Ø24
	 GL PACT Ø66		 HSL Ø20		 R3 Ø20
					 Jar Square Ø57
					 R5 Ø20
					 Boston Ø18































Bottle

60ml	80ml	100ml	120ml	125ml	130ml	140ml
 Hidden Ø18	 PL_DP Ø18	 Hidden Ø18	 KM Ø20	 MR Ø24	 PL_DP Ø17	 Hexa_GPC Ø20
 CV Ø18	 Hidden Ø18	 Hidden C018 Ø18	 Classic Square Ø20		 CRX Ø18	
 Mist Circle Ø20	 Mist Circle Ø20	 Boston Ø18	 Jar Circle Ø55		 Hidden Ø18	
 Classic Circle Ø20	 Classic Square Ø20	 Mist Circle Ø20			 Boston Ø18	
	 Jar Circle Ø55	 Classic Square Ø20				

Bottle

150ml	200ml	280ml	300ml	400ml	500ml	
 Ringer Ø18	 Classic Circle Ø20	 CRX Ø24	 MM Ø24	 Classic Circle _Screw Ø24	 Circular Angle Ø24	 DMI_Snap-on Ø24
 Classic Circle Ø20	 Classic Square Ø20	 Boston Ø24	 Classic Circle _Snap-on Ø24	 Boston_Snap-on Ø24		
 Classic Square Ø20	 Circular Angle Ø24	 CRX Ø24	 Boston_Screw Ø24			
 Classic Circle Ø20	 Circular Angle Ø24	 Circular Angle Ø24				
 CRX Ø24	 DMI Ø24					

NECK

Ø18	Ø20	Ø24	Ø39	Ø44		
 PUMPS5007	 PUMPS5008	 CAPPS1002	 PUMPS5019	 CAPPS1005	 CAPPS1014	 CAPPS1006
 PUMPS5010	 Ø20	 PUMPS5015	 PUMPS5020	 CAPPS1020	 Ø39.8	 CAPPS1016
 CAPPS1021	 PUMPS5011	 PUMPS5016	 Ø24	 PUMPS5001	 CAPPS1007	 Ø45
 CAPPS1022	 PUMPS5009	 PUMPS5017	 CAPPS1003	 PUMPS5002	 CAPPS1017	 CAPPS1015
 CAPPS1024	 CAPPS1001	 PUMPS5018	 CAPPS1004	 PUMPS5006		

SPRAY

ECN



40° (PUMPS5014 + CAPPS1012)
60° (PUMPS5096 + CAPPS1012)

BULLY



40° (PUMPS5014 + CAPPS1023)
60° (PUMPS5096 + CAPPS1023)

VALT



40° (PUMPS5014 + CAPPS1011)
60° (PUMPS5096 + CAPPS1011)

SPOID

Ø18



CAPPS1028

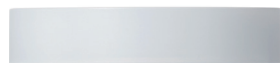
Ø20



CAPPS1029

ECT

SLIM CAP



CAPPS1026

STANDARD CAP

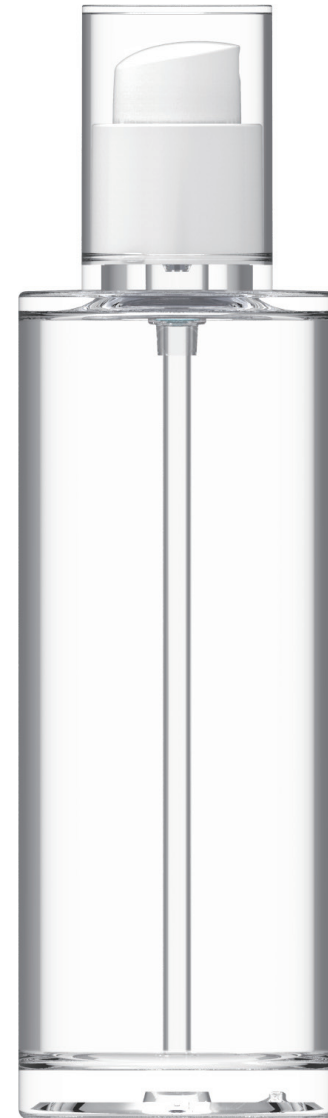


CAPPS1027

SHAKER TIP



CAPPS1025



202 Eco Mist 0.15cc
+ Classic Circle (Ø20 , 120ml)

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