

2020 SAMHWA R&D



Company Philosophy

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

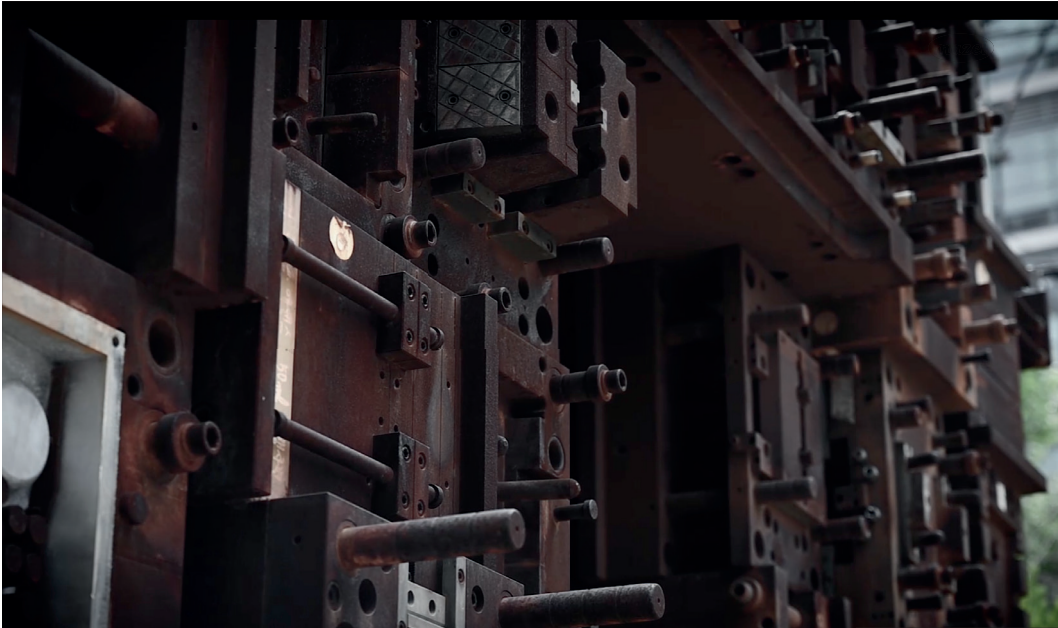
Instead of pursuing a rapid growth, Samhwa steady and consistently focused in creativeness for innovation with continuous investment in our R&D and was able to promote and introduce GLOBAL MEGA HIT innovative product.

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.

Following our 40 years of experience and innovative corporate culture, 2020 open on a new leap step forward when Samhwa Plastic became Samhwa co., Ltd.

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

INNO-ECO-PUMP



R&D Philosophy

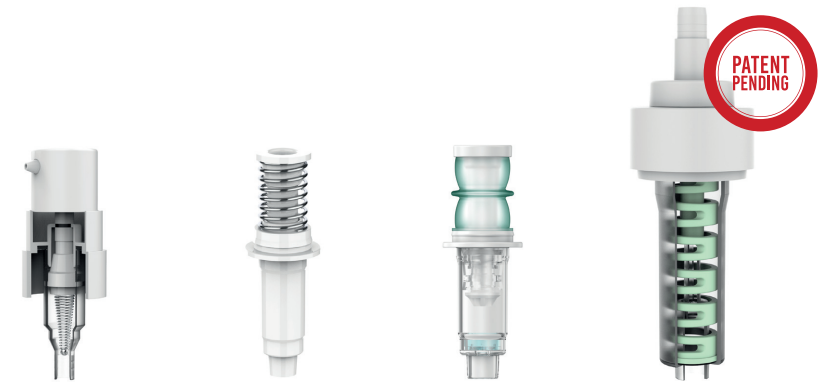
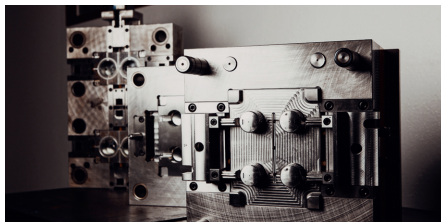
Samhwa started business with mold engineering. Over 40 years of capitalized knowhow on mold engineering and technology bring Samhwa to lead and continuously innovate by developing top leading airless and airtight cosmetic products.

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.

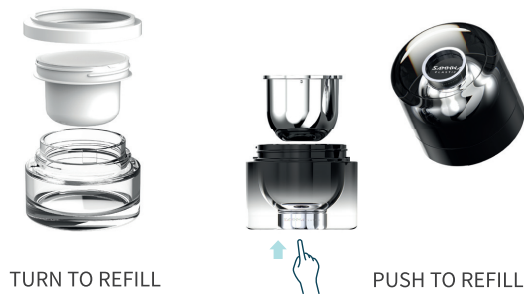


Ver. I	Ver. II	Ver. III	
0.10cc	0.20cc	0.15cc 0.20cc	3.50cc
1990~	2000~	2020~	
STRUCTURE - Internal Spring structure - SUS Ball valve type FEATURE - Strong durability - Risk of contamination by steel	STRUCTURE - External Spring structure - PE disc valve type FEATURE - Prevent contamination by steel - Delivery/Cost improvement with module system.	STRUCTURE - Bi-injected Eco Spring - Only Polypropylene used FEATURE - No Metal Spring - No POM - Mono Material (Polypropylene)	

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



Airless Type Reuse



ECO FRIENDLY MATERIAL DEVELOPMENT

Samhwa focus 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.

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.



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. Capitalizing on these advantages, Samhwa has successfully launch glass cosmetic package which meets esthetic and functional requirement. Samhwa next step is to develop foundation or color cosmetic package taking advantage of the glass material property.



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.



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 lifes 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.

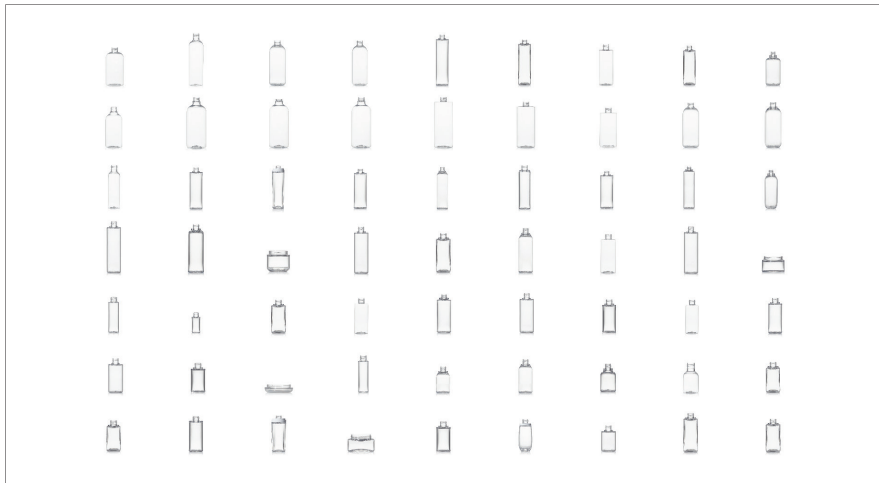


Blow Product Development

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,.

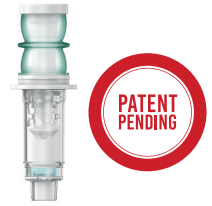




ECO ENGINE

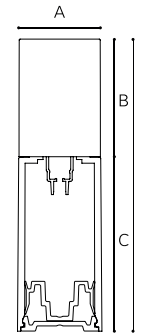
ECO ENGINE

Eco Pump A1EP-0.2



Eco Slim Airless

A1ES-015 | A1ES-030



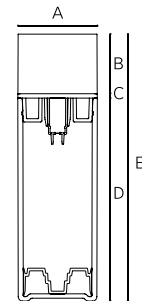
	15ml	30ml
A	Ø27.7mm	Ø26.2mm
B	38.0mm	38.0mm
C	57.7mm	95.0mm
D	95.8mm	134.1mm



Eco Airless

A1EP-030 | A1EP-050

Renewal of P1 airless system in mono material featuring with ECO PUMP system.



	30ml	50ml
A	Ø35.9mm	Ø35.9mm
B	27.2mm	27.2mm
C	2.0mm	2.0mm
D	67.6mm	92.7mm
E	96.8mm	121.9mm



MONO ENGINE

D/P Eco Pump D1EP-3.5



Made with ALL PP material

- No Metal spring
- No POM
- Mono Material

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.

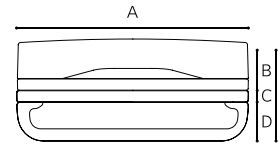


REFILL & ECO

GL Blow Eco Pact M1EB-030

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

30g



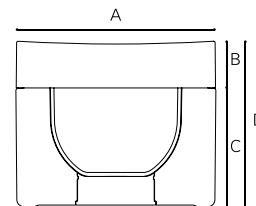
- A Ø76.0mm
- B 13.0mm
- C 3.7mm
- D 12.7mm
- E 29.6mm



Push Refill Jar C1PR-050

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

50g



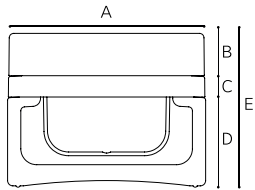
- A Ø74.4mm
- B 16.0mm
- C 38.9mm
- D 55.3mm



REFILL & ECO

Glass Refill Jar

C1GR-050 (V1)



50g

- A Ø74.9mm
- B 16.0mm
- C 7.8mm
- D 33.5mm
- E 57.7mm

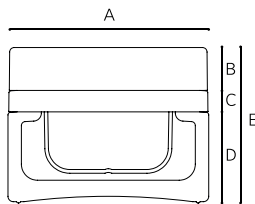


REFILL & ECO

REFILL & ECO

Glass Refill Jar

C1GR-050 (V2)



50g

- A Ø74.9mm
- B 16.0mm
- C 7.8mm
- D 33.5mm
- E 57.7mm

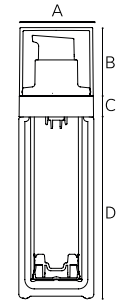


REFILL & ECO

Glass Refill Airless

A1GR-030 (V1)

Eco-friendly product made of glass. Featuring Samhwa refill mechanism for multi-times re-use.



30ml

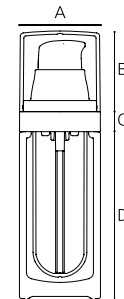
- A Ø40.0mm
- B 36.5mm
- C 11.2mm
- D 96.6mm
- E 145.0mm



Glass Refill Airless / DP

A1GR-020 | A1GR-030 (V2)
D1GR-020 | D1GR-030

Eco-friendly product made of glass and featuring Samhwa ECO PUMP system. Samhwa refill mechanism implemented in mono material for multi-time re-use as well as easy recyclability.



20ml (Airless/Dip Tube) 30ml (Airless/Dip Tube)

- A Ø37.5mm Ø37.5mm
- B 37.3mm 37.3mm
- C 9.3mm 9.3mm
- D 77.3mm 103.0mm
- E 123.9mm 149.5mm

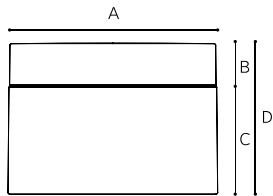


REFILL & ECO

Eco Jar

C1EP-050

Eco-friendly all PP jar for easy recyclability.



- 50g**
- A Ø64.4mm
 - B 13.0mm
 - C 33.0mm
 - D 46.4mm



REFILL & ECO

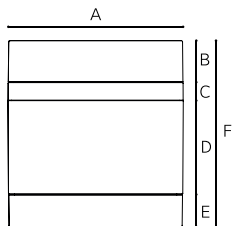
RELIABLE PACKAGING

Eco Dial Jar

C1ED-050

Eco-friendly product designed and structured in all PP mono material for easy recyclability.

Featuring hygienic delivery system with innovative way to deliver formula compared to traditional jar.



- 50g**
- A Ø69.4mm
 - B 16.3mm
 - C 7.1mm
 - D 36.8mm
 - E 12.8mm
 - F 73.5mm

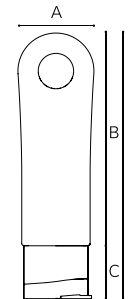


RELIABLE PACKAGING

Butterfly Hinge Sanitizer

B1HS-030

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



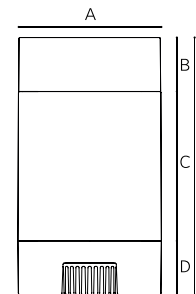
- 30ml**
- A 32.1mm
 - B 90.0mm
 - C 22.7mm
 - D 112.8mm



MTSP

SIMP-065

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



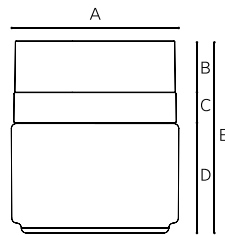
- 65g**
- A 66.0mm
 - B 25.2mm
 - C 69.2mm
 - D 25.0mm
 - E 119.4mm



RELIABLE PACKAGING

AJ Touch Cream Jar

C1AJ-030 | C1AJ-050



	30g	50g
A	Ø62.3mm	Ø67.1mm
B	17.0mm	20.0mm
C	9.4mm	12.1mm
D	38.0mm	43.8mm
E	64.5mm	75.9mm



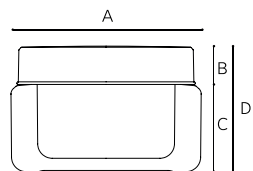
RELIABLE PACKAGING

RELIABLE PACKAGING

Hinge Refill Jar

C1HC-050

Jar refill with attached lid ensure formula protection. Combined with integrated spatula, safety hygienic application for the consumer during usage.



	50g
A	Ø68.0mm
B	13.7mm
C	30.7mm
D	44.9mm

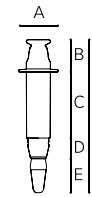


RELIABLE PACKAGING

Medi Ampoule

E1MA-1.5

1.5ml



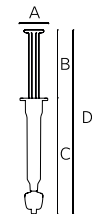
A	17.2mm
B	13.7mm
C	28.1mm
D	8.6mm
E	14.6mm
F	64.9mm



Spoid Push Ampoule

E1SA-1.5

1.5ml



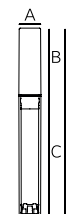
A	16.6mm
B	40.8mm
C	69.5mm
D	110.3mm



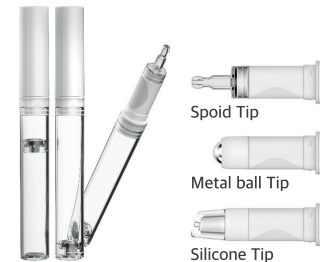
Rolling Serum

P1RS-010

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



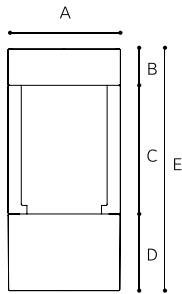
	10ml (Silicone)	10ml (Metal Ball)	10ml (Spoid)
A	Ø17.0mm	Ø17.0mm	Ø17.0mm
B	51.2mm	43.0mm	51.2mm
C	93.0mm	93.0mm	93.0mm
D	145.4mm	137.2mm	145.4mm



RELIABLE PACKAGING

Basic Ampoule

E1BA-010 | E1BA-015



	10ml	15ml
A	Ø27.0mm	Ø27.0mm
B	9.7mm	9.7mm
C	30.8mm	53.9mm
D	18.4mm	18.4mm
E	58.9mm	82.0mm



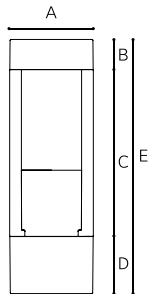
RELIABLE PACKAGING

RELIABLE PACKAGING

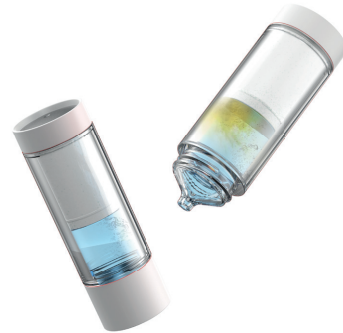
2in1 Push Ampoule

E1TA-010

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



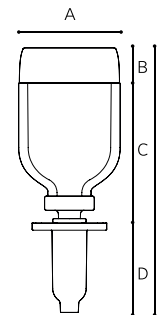
	8ml + 2g
A	Ø27.0mm
B	9.7mm
C	53.9mm
D	18.4mm
E	82.0mm



RELIABLE PACKAGING

RG Ampoule

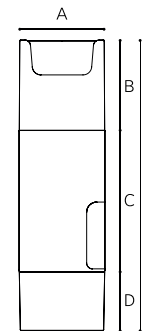
E1RA-005 | E1RA-010 | E1RA-015



	5ml	10ml	15ml
A	Ø26.2mm	Ø28.6mm	Ø28.6mm
B	11.5mm	9.9mm	9.9mm
C	33.2mm	25.2mm	51.7mm
D	25.2mm	137.2mm	25.2mm
E	69.9mm	74.6mm	86.8mm

2in1 Twister Ampoule






















E1TA-020

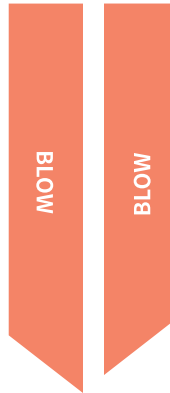


	10ml + 10ml
A	Ø29.6mm
B	31.2mm
C	48.7mm
D	20.2mm
E	100.0mm



























BLOW









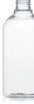






6.5ml	 Slim shaker Ø17
30ml	 Hidden Ø18  Boston Ø18  GL PACT Ø66
35ml	 HSL Ø20
40ml	 Smart dropper Ø18  Classic circle Ø20  HSL Ø20
43ml	 Classic circle Ø20
50ml	 Hexagon_GPC Ø18  TR Ø20  R3 Ø20  R5 Ø20
	 Boston Ø18  Ringer Ø18  CRX Ø24  Jar square Ø57
60ml	 Hidden Ø18  CV Ø18  Mist circle Ø20  Classic circle Ø20

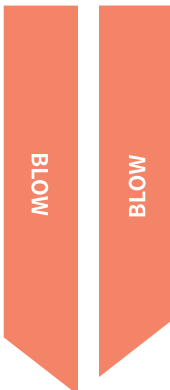


BLOW






























80ml	 PL_DP Ø17  Hidden Ø18  Mist circle Ø20  Classic square Ø20
	 Jar Circle Ø55
100ml	 Hidden Ø18  Hidden CO18 Ø18  Boston Ø18  Mist circle Ø20  Classic square Ø20
120ml	 KM Ø20  Classic circle Ø20  Jar circle Ø55
125ml	 MR Ø24
130ml	 PL_DP Ø17  CRX Ø18  Hidden Ø18  Boston Ø18
140ml	 Hexagon_GPC Ø20
150ml	 Ringer Ø18  Classic circle Ø20  Classic square Ø20  Classic circle Ø20  CRX Ø24

BLOW

200ml	 Classic circle Φ20		
	 Classic square Φ20	 Circular angle Φ24	
280ml	 CRX Φ24		
300ml	 MM Φ24	 Boston Φ24	 CRX Φ24
	 Circular angle Φ24	 DMI Φ24	 Classic circle _Rib Φ24
400ml	 Circular angle Φ24		
500ml	 DMI_Snap on Φ24	 Boston_Snap on Φ24	
	 Boston_Screw Φ24	 Circular angle Φ24	



BLOW

Φ18 NECK	Φ39 NECK
 PUMPS5007	 CAPPS1014
 PUMPS5010	
 CAPPS1021	
 CAPPS1022	
 CAPPS1024	
 PUMPS5008	
Φ20 NECK	Φ39.8 NECK
 PUMPS5011	 CAPPS1007
 PUMPS5009	 CAPPS1017
 CAPPS1001	
 CAPPS1002	
 PUMPS5015	
 PUMPS5016	
 PUMPS5017	
 PUMPS5018	
 PUMPS5019	
 PUMPS5020	
Φ24 NECK	Φ44 NECK
 CAPPS1005	 CAPPS1006
 CAPPS1004	 CAPPS1016
 CAPPS1003	
 CAPPS1020	
 PUMPS5001	
 PUMPS5002	
 PUMPS5006	
	Φ45 NECK
	 CAPPS1015

BLOW

SPRAY



	ECN	40° (PUMPS5014 + CAPPS1012)	60° (PUMPS5096 + CAPPS1012)
Samhwa spray pump:	VALT	40° (PUMPS5014 + CAPPS1023)	60° (PUMPS5096 + CAPPS1023)
	BULLY	40° (PUMPS5014 + CAPPS1011)	60° (PUMPS5096 + CAPPS1011)

BLOW

SPOID



CAPPS1028 CAPPS1029

ECT



CAPPS1026

CAPPS1027

CAPPS1025

2020
SAMHWA R&D