

GLASPRAY





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# Company

Established in 1987, GLASPRAY is a designer and manufacturer of dispensing packages for fragrance, skincare and cosmetic industries. Glaspray's product R&D strictly follows core values of the "R" guideline of Rethink, Reduce, Reuse and Recycle. We strive to innovate solutions that fulfill customer's requirements on sustainability. Today, our product line of dispensing packages is 100% refillable and/or reusable and this is to express our care and concern for the work we live in.

As an innovator in refillable packages, Glaspray's goal is to provide solutions to our partners to achieve their guidelines and standards of sustainability towards a true circular economy.

# Value DNA

## **Originality**

Thinking from new perspectives and applying intelligent engineering, Glaspray integrated different designs and mechanism, transforming ideas and concepts to products in unconventional ways.

## **Flexibility**

Glaspray continues to create true multifunctional /cross over products in the market's ever changing trends by adapting alternative functions and applications in our product design. We offer a manufacturing process that facilitates different engineering requirements.

## **Simplicity**

Less is more. Glaspray turns complex techniques and packaging structures into simple design language. We combine minimalism with refinement for your stylish consumers to strengthen your market differentiation.

# Create Distinction

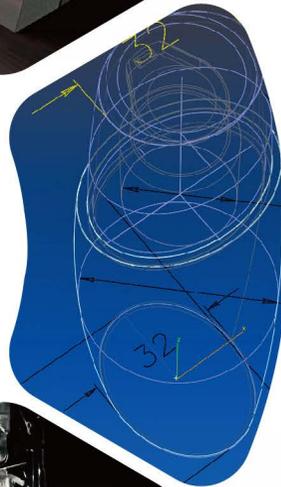
True differentiation requires revolution.  
Glaspray keeps on creating because the next idea could be the answer.

ISO 9001  
BUREAU VERITAS  
Certification



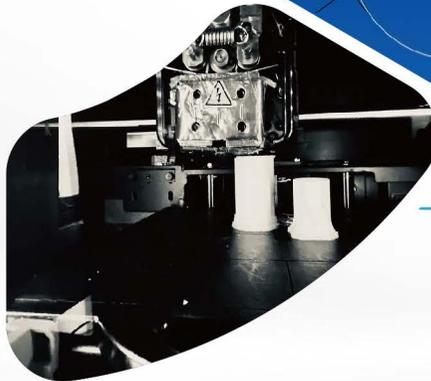
## Design

Cooperation with Italian designer, Glaspray fuses global perspectives from eastern and western to create inspirational ideas.



## Customization

Uncompromising creators turn idea into creative solutions. Glaspray implements a seamless process that includes optimization of design and engineering, reduction of time-to-market and a network of resources. Our customization process creates new customer loyalty for your ideas.



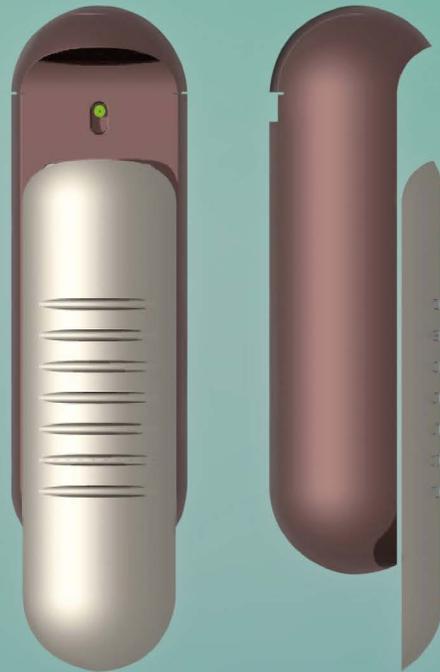
## Engineering

A team of engineers and designers provides consistent and precise engineering services including structural design and rapid prototyping. Courtesy of latest 3D printing technology, we are able to reduce development lead-time and costs.





simple is better.  
semplice è meglio.



Designer  
**Max Giorgetti**

A stylized, handwritten signature in white ink, consisting of the letters 'MG' followed by a long, sweeping horizontal line.

# Cartridge Refill System



All Glaspray twist up dispensers utilize cartridge refill system. A system that is refined, easy-to-use, and innovative. The refill cartridge is easily replaced, and separated for recycling when equipped with a screw pump.

The cartridge refill system is a great way to create a full product line that's novel and attractive. The ability to design a mix and match line of products is extraordinary, based on any number of criteria. A firm might even use it to create a sample set. The possibilities are endless, as are the marketing approaches.

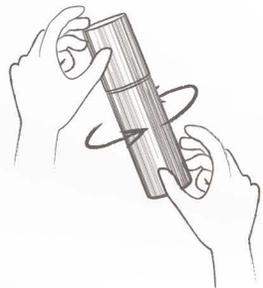
When the first cartridge runs out it may be replaced with a full cartridge. Advantages? Well, not having to purchase a new bottle means less packaging is used, and that means less impact on the environment - reducing and reusing is everyone's responsibility.

# Twist Up Airless Refillable Package

Airelss Bottle : PET, PETG, PP

Pump : Screw on & Snap on

Utility  
Patent



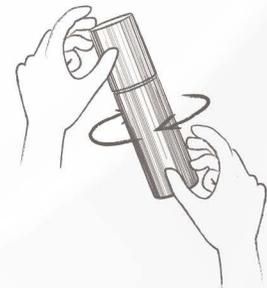
STEP 1



STEP 2



STEP 3



STEP 4

# Twist Up Airless



Glaspray's product development strategies focus on reusability due to increasing demand for a true sustainable packaging.

Our AIRLESS refill cartridge system, TUA (Twist Up Airless) is a patented system that carries balance between glamour and sustainability. Pure Path pump engine is used to provide precise delivery.

Our packaging design has compact features and so that they can be part of our on-the-go life style, being there when needed.

The airless refill cartridge system means less impact on the environment, reducing and reusing. In the full plastic TUA package, when the canister is reused for additional inner cartridges, consumption of plastic is reduced by 66% therefore leading to reductions of carbon footprint in all stages of production and transportation.

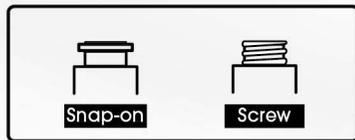


# Pure Path metal-free

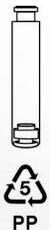
## *Cartridge Refill System*

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Airless pump cartridge utilizes pure path dispensing technology to achieve a metal-free path for all formulas. Twist Up Airless and cartridge refill system offers a luxurious packaging with flexibility and mobility, available in 15, 20 and 30ml.



Inner bottle  
Material available



# Twist Up Airless — PET Canister



## Roma

1 actuator shape  
many decorative possibilities

PET Moulded color  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TUA30	30	36.2 x 153
TUA50	50	41.5 x 161



Silgan  
Pure path technology



Dosage : 0.2 ml

Safety clip for refill



Refill Cap



### Material Neck Type

PET	18 / 400 snap-on
	18 / 400 Screw
PETG	18 / 400 snap-on
	18 / 400 Screw

Standard colors

natural

Patented

# Twist Up Airless — ABS Canister



Roma

ISA

2 actuator shapes  
many decorative possibilities

ABS Moulded color  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TUA30.PL	30	33 x 152



Silgan  
Pure path technology



Dosage : 0.2 ml

Safety clip for refill



Refill Cap



## Material Neck Type

PP	18 / 400 snap-on 18 / 415 Screw
PET	18 / 400 snap-on 18 / 400 Screw
PETG	18 / 400 snap-on 18 / 400 Screw

Standard colors

natural

Patented

# Twist Up Airless — Aluminum Canister



Roma

ISA

2 actuator shapes  
many decorative possibilities

Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUA15	15	33 x 111
TUA20	20	33 x 130
TUA30	30	33 x 152



Silgan  
Pure path technology



Dosage : 0.2 ml

Safety clip for refill



Refill Cap



## Material Neck Type

PP	18 / 400 snap-on
	18 / 415 Screw
PET	18 / 400 snap-on
	18 / 400 Screw
PETG	18 / 400 snap-on
	18 / 400 Screw

Standard colors

natural

\*\* 15 and 20 ml are available with PP snap-on inner airless bottle only

Patented

GoTwist™

# Twist Up Dispenser



TUD (Twist Up Dispenser) is Glaspray's new line of dispensing packages for the skincare market. The upscale design and finish offer one of a kind package. TUDs are paired with precision atmospheric pumps to ensure quality delivery of products.

TUDs are supplied with glass and PETG bottles to offer non-reactive environment for any active ingredients to ensure the longevity and functions of the contents.



# Twist Up Dispenser — Aluminum Canister



2 actuator shapes  
many decorative possibilities

Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TUD20	20	29 x 111
TUD30	30	33 x 136



Silgan  
Pure path technology



Dosage : 0.2 ml

Refill Cap



## Material Neck Type

PETG 18 / 400 Screw ( 20 / 30 ml )  
Glass 18 / 400 Screw ( 20 / 30 ml )

Patented

# Twist Up Dispenser — Aluminum / P.P. Canister



**Elica Flavia**

2 actuator shapes  
many decorative possibilities

Aluminum ( anodization and spray coating )  
P.P. Moulded color  
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUD15 / TUD15.PP	15	31.1 x 118.1



 Dosage : 0.13 ml

Refill Cap



**Material Neck Type**

Glass 18 / 415 Screw

Patented

# Twist



# &

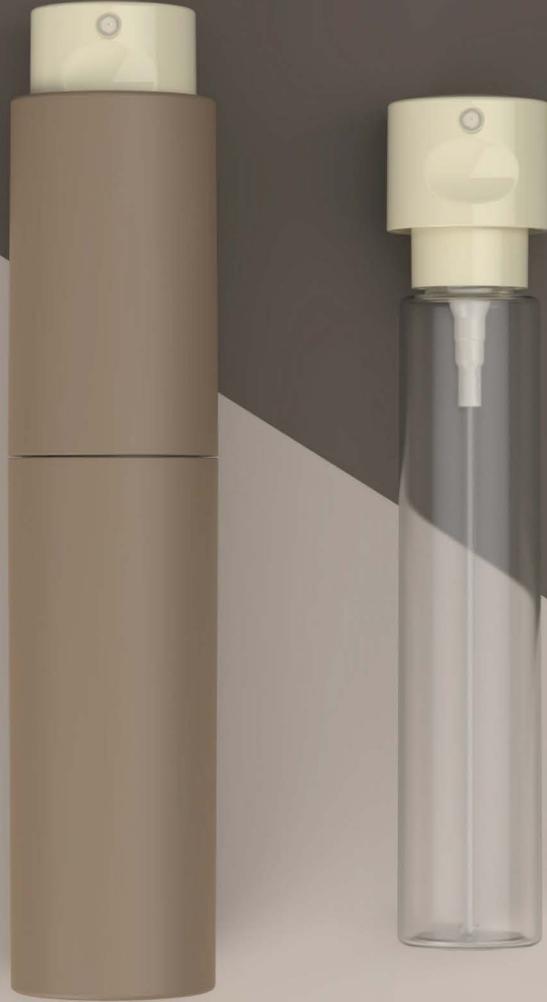
# Spray

Glaspray is the foremost travel spray designer and manufacturer in the international fragrance and cosmetic industry. With our design and manufacturing expertise in dispensing systems, metal technologies and plastic moulding, we are confident we can provide a distinguishable packaging solution for your brand.

Glaspray's Twist and spray packages have different specifications that are suitable for fragrance, facial mist, cosmetics and alcohol based products.



TUS PET



# Twist & Spray — TUS PET



## Roma

1 actuator shape  
many decorative possibilities

PET Moulded color  
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUS40-ROMA (PET)	40	36.2 x 153
TUS70-ROMA (PET)	70	41.5 x 161



Screw

🚰 Dosage : 0.13 ml

Refill Cap



### Material

HDPE  
( 40 ml )

PETG  
( 40 ml )

PETG  
( 70 ml )

### Neck Type

18 / 400 Screw

18 / 400 Screw

18 / 400 Screw

Standard colors

natural

Patented

TUS Aluminum



# Twist & Spray — TUS Aluminum



## Roma

1 actuator shape  
many decorative possibilities

Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TUS20-ROMA	20	33 x 111
TUS30-ROMA	30	33 x 130.1
TUS40-ROMA	40	33 x 152



Screw

● Dosage : 0.13ml

Refill Cap



**Material**

HDPE  
( 40 ml )

PETG  
( 20, 30, & 40 ml )

**Neck Type**

18 / 400 Screw

18 / 400 Screw

Standard colors

natural

Patented

# Twist & Spray — Cylindrical Collection



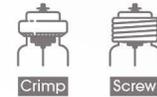
6 actuator shapes  
many decorative possibilities

### Band types



Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TSR10	10	25 x 103
TSR15	14	25 x 128
TSR20	20	29 x 115
TSR30	30	33 x 130



● Dosage : 0.07 ml

Standard colors **Silver / Gold**

### Material Neck Type

Glass	FEA 13 mm ( 10 ml / 14 ml ) FEA 15 mm ( 20 ml )
Glass	EUROPA 4
Glass	GCM1 15 ( 20 ml )

**Patented**

# Twist & Spray — Quadra



## Quadra

1 actuator shape  
many decorative possibilities

Two-Tone Finish  
Brushed Finish

Item No.	Capacity/ml	Dim/mm
TSS15	15	26 x 26 x 115
TSS20	20	30 x 30 x 105



Crimp



Screw

● Dosage : 0.07 ml

Standard colors **Silver / Gold**

### Material Neck Type

Glass	FEA 15 mm ( 15 ml / 20 ml )
Glass	EUROPA 4

Patented

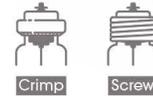
# Twist & Spray — STILO



1 actuator shape  
many decorative possibilities

Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TSR12	12	21 x 128



● Dosage : 0.07 ml

Standard colors **Silver / Gold**

## Material Neck Type

Glass	FEA 13 mm
Glass	EUROPA 4



# Twist & Spray — *Octo*



1 actuator shape  
many decorative possibilities



Crimp



Screw

● Dosage : 0.07 ml

Standard colors **Silver / Gold**

Aluminum ( anodization and spray coating )  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TSO20	20	30.05 x 115.6

## Material Neck Type

Glass	FEA 15 mm
Glass	EUROPA 4
Glass	GCM1 15

Patented

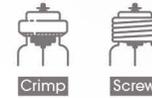
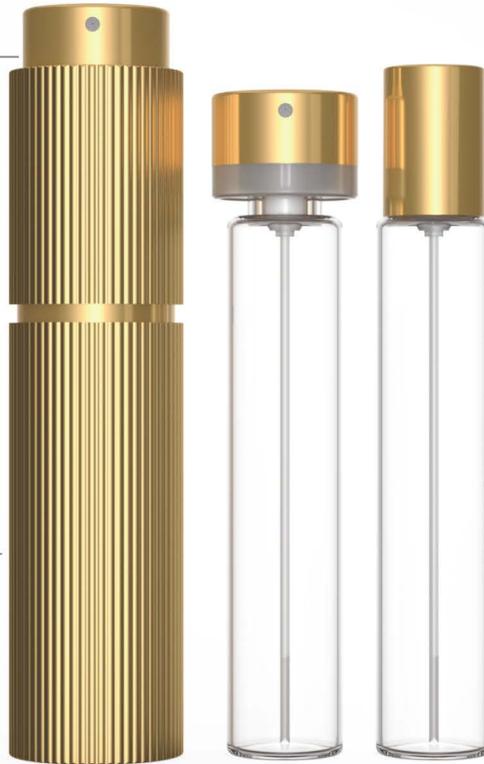
# Twist & Spray — Aluminum Canister



3 actuator shapes  
many decorative possibilities

Aluminum ( Moulded color )  
UV coating and decoration possibilities

Item No.	Capacity/ml	Dim /mm
TSR10-RC-GV	10	25 x 103
TSR20-RC-GV	20	29 x 115



● Dosage : 0.07 ml

Standard colors **Silver / Gold ( FEA15 )**  
**Black ( GCMI15 )**

Material	Neck Type
Glass	FEA 15 mm ( 20 ml )
Glass	FEA 13 mm ( 10 ml )
Glass	EUROPA 4
Glass	GCMI 15 (20 ml )

# Twist & Spray — Plastic Canister (PP)



RONDO



SCALA



LEA



3 actuator shapes  
many decorative possibilities

PP ( Moulded color )  
UV coating and decoration possibilities

Item No.	Capacity /ml	Dim /mm
TSR20-PP	20	31.1 x 118.1



Crimp



Screw

● Dosage : 0.07 ml

Standard colors    **Silver / Gold ( FEA15 )**  
                              **Black ( GCM15 )**

## Material    Neck Type

Glass	FEA 15 mm
Glass	GCM1 15
Glass	EUROPA 4

Patented

# Cartridge Refill System

Fragrance



# SOFFiO

## Perfume Brush

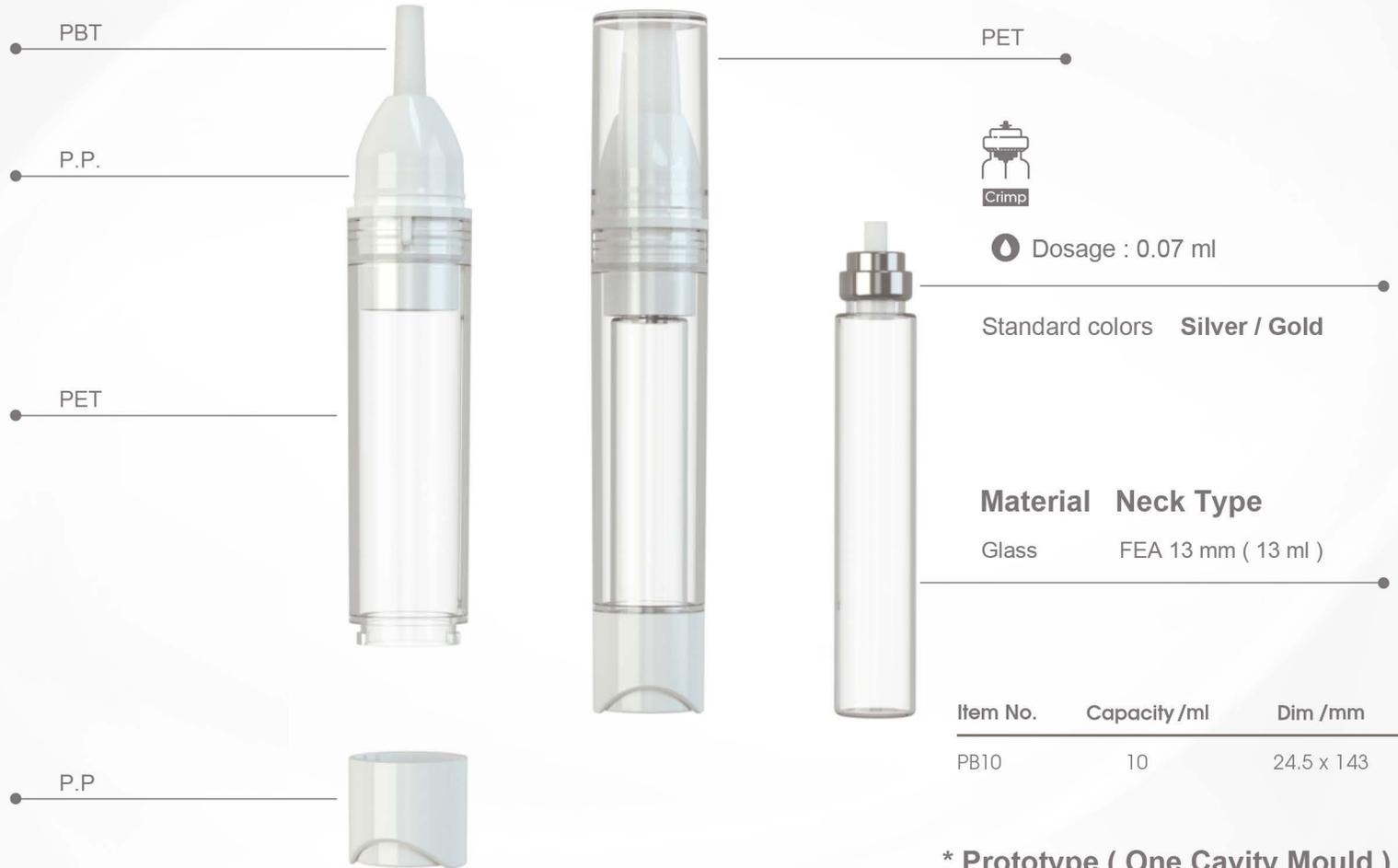
- Innovative delivery system
- Uni-dosage
- Glass cartridge refill system



Patented

# Perfume Brush — SOFFiO

perfume brush



Item No.	Capacity/ml	Dim /mm
PB10	10	24.5 x 143

\* Prototype ( One Cavity Mould )

# CNC ALUMINIUM TWIST-UP PACKAGES

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Crafted from high-grade Aerospace Aluminum Alloy T6061 using CNC (Computer Numerical Control) machines.

CNC finished twist-up packages have high rigidity and durability. The heavier weight of aluminum alloy provides a luxury feel.

CNC Aluminum twist-up packages are available in all fragrance and skincare lines.





# CNC ALUMINIUM

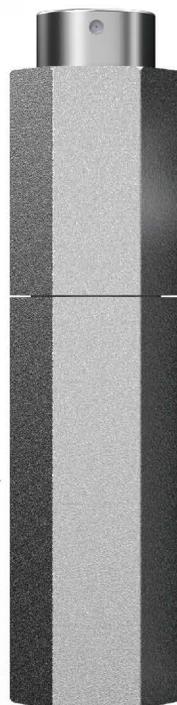
## 6 SEi ( Hexagon )



1 actuator shape  
many decorative possibilities

Sandblasted  
Brushed Finish

Item No.	Capacity/ml	Dim /mm
TSH10-CNC	10	26 x 109
TSH20-CNC	20	30.8 x 118.4



● Dosage : 0.07 ml

Standard colors **Silver / Gold**

### Material Neck Type

Glass	FEA 13 mm ( 10 ml )
Glass	FEA 15 mm ( 20 ml )
Glass	EUROPA 4
Glass	GCEMI 15 ( 20 ml )

Patented

# CNC ALUMINIUM

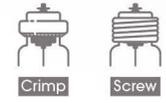
## Cylindrical Collection



6 actuator shapes  
many decorative possibilities

Sandblasted  
Brushed Finish

Item No.	Capacity /ml	Dim /mm
TSR10-CNC	10	25.8 x 108.4
TSR15-CNC	14	25.8 x 133.6
TSR20-CNC	20	30.5 x 118.3



● Dosage : 0.07 ml

Standard colors    Silver / Gold

Material	Neck Type
Glass	FEA 13 mm ( 10 ml / 14ml ) FEA 15 mm ( 20 ml )
Glass	EUROPA 4
Glass	GCMI 15 ( 20 ml )

Patented

CNC  
ALUMINIUM

# Hybrid QeX (Quick Exchange) system

The ultimate expression of innovation, combining with CNC craftsmanship and revolutionary design. Ingenious styles of HYBRID reflect the strength of luxury twist-up with cartridge refill system. And most importantly a playful aspect where skin shell system can be switched by its QeX (Quick Exchange) system. Skin Shell system comes in a variety of materials and finishes that provides different expressions.



*Skin Shell Accessories*

# CNC ALUMINIUM — Hybrid

## Utility Patent



Item No.	Capacity /ml	Dim /mm
TSR10-CNC-HY	10	31 x 108



Patented

# Aluminum Refillable Travel Pack

For Viscous Formula

Item No.	Capacity/ml	Dimensions /mm
ARA-007	15	26 x 107
ARA-007L	20	28 x 120



# Aluminum Refillable Travel Pack

For Fluid Formula

Item No.	Capacity /ml	Dimensions /mm
ARA-007	15	26 x 107
ARA-007L	20	28 x 120



# *Plastic Travel Spray*

Item No.	Capacity/ml	Dimensions /mm
PSA-001	10	25 x 25 x 91
PSA-001L	15/20	25 x 25 x 120



## Roller Ball Bottle

Item No.	OFC/ml	Dimensions /mm
RL-009	7.0	15 x 71
RL-010	8.0	15 x 78
RL-011	10.6	15 x 98
RL-012	13.7	15 x 120



# treatments & decos



Simple treatment and decoration bring life to a beautiful designed package.

Glaspray utilizes different methods to distinguish your brand from competition.

Treatment and decoration process that are available for your unique designs.



Brushed Finish



Anodizing



Double Anodizing



Spray Coating



Vacuum Metallization



Multicolor Labels



Silk-Screen Printing



Hot Stamping



Offset Printing



Deboss / Emboss logo



Water Film Transfer



Hot Film Transfer



Sand-blasted



Laser Engraving



Digital Printing

# dispensing pumps

A technological alliance with our European partner has allowed Glaspray to consistently achieve the desired quality to widen our breakthrough in dispensing technology that provides standard and customized fine mist sprayers and cream pumps for your dispensing solutions.



## LP



20 mm



18 mm



17 mm



15 mm



13 mm

Size /mm	Dosage /ml
20	0.07 / 0.10 / 0.13
18	0.07 / 0.10 / 0.13
17	0.07 / 0.10 / 0.13
15	0.07 / 0.10 / 0.13
13	0.07 / 0.10 / 0.13

## LFV



18 / 415



18 / 400



EUROPA 4

Size /mm	Dosage /ml
18 / 415	0.07 / 0.10 / 0.13
18 / 400	0.07 / 0.10 / 0.13
EUROPA 4	0.07 / 0.10 / 0.13

The extremely small pump body, a super transparent dip tube and the very low height of the actuator make our "low profile" pumps the best solution for fragrance packaging that requires a very sophisticated, aesthetic look.

LP "Low Profile" pumps are available in various sizes for crimping and screw type neck bottles. Standard colors are shiny silver/gold. Custom colors are available with a set MOQ.

# FV

# AV

Spray



24 / 410



20 / 410



18 / 415



18 / 415

Cream



24 / 410



20 / 410



18 / 415



18 / 415

The range of FV and AV screw pumps are available with metal thread screw ferrule and can be supplied in standard anodized colors. Both mist spray and cream pump are available.

<b>Standard Threads</b>	<b>Dosage /ml</b>
24 / 410	0.16
20 / 410	0.16
18 / 415	0.16

# UPSIDE-DOWN



Glaspray's Upside-Down (USD) fine mist spray is designed for applications that require spray action when holding the bottle upside down. The unique design allows the formulation to be completely emptied in the upside down position.

Glaspray's USD module is a complementary technology to our GMD fine mist spray series, and is available with all standard threads including our trigger spray.

## 360° Trigger Spray

Glaspray's mini trigger spray, TG-002 is equipped with our precise and durable GMD series pump module and structure has a free turning handle that makes alignment with bottle and printing an easy job. And it's ergonomic design provides easy spray action.

Glaspray's mini trigger spray is popular among hair and personal care applications and it's available in 24/410 thread and USD (Upside-Down) spray module.



# GMD

## spray pump

Ribbed



24 / 410



22 / 415



20 / 410



18 / 415



PAV 135

Smooth



24 / 410 (SH)



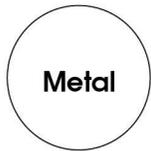
24 / 410 (NR)



18 / 415

Type	Standard Threads	Dosage /ml
Ribbed	24 / 410	0.16
	22 / 415	0.16
	20 / 410	0.16
	18 / 415	0.16
	PAV 135	0.07
Smooth	24 / 410	0.16
	18 / 415	0.16

GMD is a high viscosity pump for liquid and cream. It's double springs provide excellent priming force and anti-leakage functions. GMD engine is developed in module and is used in many of our pump series, thus make it flexible for customization. Various sizes and aesthetic options available.



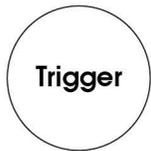
24 / 410 (SH)



24 / 410 (NR)



18 / 415



24 / 410

Type	Standard Threads	Dosage /ml
Metal	24 / 410	0.16
	18 / 415	0.16
Trigger	24 / 410	0.18

# GMD

## cream pump

Ribbed



24 / 410



22 / 415



20 / 410



18 / 415

ELISIA



24 / 410



18 / 415

Smooth



24 / 410 (SH)



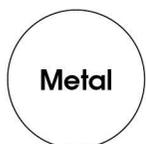
24 / 410 (NR)



18 / 415

Type	Standard Threads	Dosage /ml
Ribbed	24 / 410	0.16
	22 / 415	0.16
	20 / 410	0.16
	18 / 415	0.16
Smooth	24 / 410	0.16
	18 / 415	0.16
Elisia	24 / 410	0.16
	18 / 415	0.16

GMD is a high viscosity pump for liquid and cream. It's double springs provide excellent priming force and anti-leakage functions. GMD engine is developed in module and is used in many of our pump series, thus make it flexible for customization. Various sizes and aesthetic options available.



24 / 410 (SH)



24 / 410 (NR)



18 / 415



24 / 410



20 / 410

Type	Standard Threads	Dosage /ml
Metal	24 / 410	0.16
	18 / 415	0.16
PSLV	24 / 410	0.16
	20 / 410	0.16

Series	Size	Type	Caps
AV	18 / 415		Aluminum Overcap <i>Available with actuator ERT15 / C3</i>
FV	18 / 415 20 / 410 24 / 410		K-Resin Overcap Aluminum Cap <i>Available with actuator ERT15 / C3</i>
GMD	18 / 415 20 / 410 22 / 415 24 / 410	Ribbed	PP Small Cap
	PAV 135 18 / 415 20 / 410 24 / 410	Ribbed	PP Overcap
	18 / 415 24 / 410	Smooth	PP Small cap
	24 / 410 (SH)	Smooth	K-Resin Overcap
	18 / 415 24 / 410 (NR)	Metal	PP Small Cap
	24 / 410 (SH)	Metal	PP Small Cap K-Resin Overcap
	20 / 410 24 / 410	PSLV	PCTA Overcap
	18 / 415 24 / 410	Elisia	Dust Cap

*For GMD cream pump small PP cap is only available with actuator P012.*

Series	Actuators
LP	ERLP15, ERLPE13
LFV	ERLP15
AV	ER15, ERT15 / C3
FV	ER15, ERT15 / C3

notes

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Revision:202406

## 牧信企業股份有限公司

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W W W . G L A S P R A Y . C O M