




# INNOVATIVE TUBE BROCHURE

深圳德昌裕新材料科技有限公司  
UDN PACKAGING CORPORATION





As a tube specialist,  
through professionalism and passion  
assist our customers to create products  
that make consumers love at first sight



UDN

# Company Profile

UDN Packaging Corp. was founded in 2002 in Shenzhen, China.

Our mission is to act as a TUBE specialist, helping our customers create products that consumers would love at first sight.

In past 20 years, we put all our efforts into innovation, mainly researching and developing more sustainable, more user-friendly, lower consumption packaging.

As we believe packaging is a static communication way between the brand and consumers, our tube can add more value to the product, helping brands provide a luxurious experience to consumers.

We have worked with many world-class brands providing innovative tubes to meet the diverse needs of the consumer market.



Scan here to know  
more about UDN



# Core Value



## Innovation

Since 2002, UDN has always maintained an industry-leading number of patents. By setting innovation targets every year, UDN maintains its position as an innovation leader.

## Commitment

UDN has a commitment to quality and delivery to our customers. Through each project cooperation with customers, UDN has continuously improved the productivity and quality assurance of UDN.

## Service

Customer satisfaction is an important business indicator for UDN. We continue to improve customer satisfaction through fast response, quick quotations and after-sales follow-up.

## Sustainability

UDN focuses on sustainable operations and the sustainability of the planet, so we spend a lot of time establishing standard management and investing equipment and effort to continuously improve the environmental impact of our operations.

# 5R CONCEPT

## REUSE

Product design and development can be reused  
Using recycled raw materials to produce tube

## REDUCE

Energy saving  
Reduce consumables  
Automation process

## RECYCLE

Sustainability strategy  
Only make recyclable tube

## REPLACE

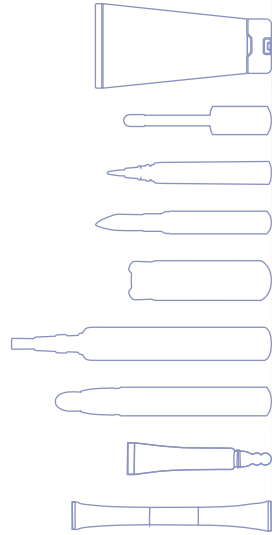
Replace native materials with eco-friendly materials

## RENEW

Material renewal to maintain stability

**UDN** has continued to refine product design, production processes, selection of equipment, and expand cutting-edge knowledge so that employees can work in a safe and comfortable environment to innovate safe, qualified, authentic products, and good user experience. We keep our promise to reduce energy consumption, carbon emissions, and enhance environmental protection.

- *Innovative Packaging*
- *Better User Experience*
- *Extraordinary Design*



# R&D THINKING

# SUSTAINABILITY



## E ENVIRONMENTAL



- Sustainable product development
- Process upgrade and energy conservation
- Reduce plastic use and lower carbon emissions

## S SOCIAL



- Client relationship management
- Employee care and incentivization
- Public welfare and charitable activities engagement

## G GOVERNANCE



- Upholding compliance and regulatory standards
- Regularly organizing management training sessions
- Establish and maintain an ethical business environment



**SA8000**  
Social Accountability

**ecoVadis**  
SUSTAINABLE SUPPLY MANAGEMENT



2021  
ISO9001:2015  
Certification



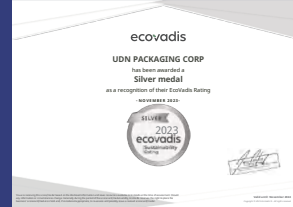
2020  
ISO14001:2015  
Certification



2022  
ISO45001:2018  
Certification



2022  
Global Security  
Verification



2023  
EcoVadis Silver medal



2024  
SA8000  
Certification

# UDN HONORS & CERTIFICATION

# PATENTS & AWARDS

UDN has applied **147** patents globally and over **47** patents are invention patents.



**2023**  
FRENCH DESIGN  
AWARD - Gold Award  
- Tube in Tube



**2023**  
MUSE DESIGN  
AWARDS - SILVER  
WINNER - One Piece  
Tube, Tube in Tube



# Product Introduction



## UDN provides

Plastic Tube, Laminate Tube, and Co-ex Laminate Tube with a variety of designs

## Materials available for the extruded plastic tube

Virgin PE, Virgin PP, Co-ex EVOH, PCR, and Bio-Resin PE

## Material option

Mono-material or Multi-material

## Touch and effect that can be achieved with varnish

Soft Touch, Matte, Gloss

## Printing production process

Offset printing( up to 8 colors), silk screen, hot stamping, and labeling

# 01

Product Introduction

# Sustainability



# ONE-PIECE TUBE

## Product Highlights

- Mono Material PP or PE (sugarcane PE, PCR PE are optional)
- Reducing material usage by 55%
- Greener, Thinner, Lower carbon

## Product Introduction

One-piece tube design reduces resin usage by up to 55% by cutting the thickness of the sleeve and integrating the tube head and closure in one component while preserving the functionality of the dispensing closure on the user-friendly package.

The mono-material tube is available in either PE or PP material to make a recycling-ready package for the environmentally-minded brand and consumer.

Sustainability

Tube Diameter	25/35/50
Tube Length(mm)	64-189
Volume(ml)	15-250
Orifice(mm)	1.5/2.8/3.0/3.5/5.5



**ONE-PIECE  
TUBE**



Watch  
the  
tube

# One-piece Tube

Sustainability



# 1st Generation

UDN's first generation of One-piece tube, which reduces the plastics consumption approx 20%.

Mono-material options for cap and sleeve: PP or PE or sugarcane PE or PCR PE. EVOH can be added.



<b>Tube Diameter</b>	16/25/35/40/45/50
<b>Tube Length(mm)</b>	60-210
<b>Volume(ml)</b>	5-250
<b>Orifice(mm)</b>	1.5/2.3/3.0/3.3/5.3/6.0/6.8





# One-piece Tube 4th Generation



Tube Diameter	35
Tube Length(mm)	90-210
Volume(ml)	30-120
Orifice(mm)	5.0

UDN's One-Piece tube design, intergrates head and cap to bring approx 49% plastic saving.



Watch  
the  
tube



<b>Tube Diameter</b>	35
<b>Tube Length(mm)</b>	69-169
<b>Volume(ml)</b>	25-110
<b>Orifice(mm)</b>	1.2

Sustainability

# MIST TUBE



# Product Highlights

- Mono-material options for cap and sleeve PP or PE (sugarcane PE or PCR PE optional)
- Spray without spring.

# MIST TUBE

## Product Introduction

The most eco-friendly mist pump mechanism ever. Combined with one-piece tube design. Easily recycle entire tube by using single raw material. Surprise you with light and pleasant experience. Perfect for Moisturizing Serum, Disinfectant Spray, Spray Products, etc.



## REPLACEABLE SPONGE TUBE

Sponge applicator can help users apply the formula more evenly over large skin area. The replaceable tip can be replaced after using.

<b>Tube Diameter</b>	50
<b>Tube Length(mm)</b>	90-195
<b>Volume(ml)</b>	80-250
<b>Orifice(mm)</b>	3.4

<b>Tube Diameter</b>	30
<b>Tube Length(mm)</b>	60-170
<b>Volume(ml)</b>	20-80
<b>Orifice(mm)</b>	N/A



## REPLACEABLE FLOCKING TIP TUBE

Flocking head helps apply content softly. Bring comfortable feelings to users and keep clean after use. Easy to replace head extending product life. Also, to avoid packaging waste and content waste. Massage tip is optional.



Watch  
the  
tube

# Tube In Tube

... Sustainability



Watch  
the  
tube

Tube Diameter	19/22/35/50
Tube Length(mm)	50-187
Volume(ml)	5-230
Orifice(mm)	2.5/3.5/3.0/4.5/3.6/4.0



*2 Tubes combine in 1,  
double chamber for multiple function*

UDN patent product Tube in tube is putting a smaller tube into a bigger tube, filled with two different formulas, it comes out separately but integrating into one, optional different orifices which makes an artistic effect when squeezing out.



# 02

Product Introduction



## Various Shapes



Various Shapes



Tube Diameter	19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	1.5

# Delta Tube

The Delta Tube features a unique applicator shape mimicking a traditional lipstick bullet shape. The triangular applicator can be injected in a customized color that matches the lip gloss shade.

Watch  
the  
tube



# Octagonal Tube



Watch  
the  
tube



Aside from round and oval, UDN creates an octagonal shape, making the tube diamond looking and stand out on the shelf.

With our 8 colour offset machine, we can precisely print eight different artworks on each side, giving the brand a vivid design.

Tube Diameter	19/30/50
Tube Length(mm)	50-195
Volume(ml)	5-250
Orifice(mm)	1.5/1.6/2.0/3.0/3.5/4.0/5.0/6.0/6.5/7.0/8.0/3.0*1.0

The sleek hexagonal design, creating a luxurious allure.

Six edges for better grip, ensuring a steady application.

Tube Diameter	35
Tube Length(mm)	69-169
Volume(ml)	25-110
Orifice(mm)	1.7/5.0



Watch  
the  
tube



Various Shapes ...

# Hexagonal Tube

# Side by Side Tube

Various Shapes  
...

Two tubes side by side to perfectly have two formulas squeezed evenly with different orifices.



Watch  
the  
tube

Tube Diameter	13/19/30/40
Tube Length(mm)	40-190
Volume(ml)	5-190
Orifice(mm)	1.0/1.5/2.0/2.5/5.0*2 /11.0*2/12.0*2



# Double-end Tube

Tube Diameter	16
Tube Length(mm)	50-120
Volume(ml)	5-15
Orifice(mm)	N/A, 1.2/1.7

Two 16mm tubes and one connector together, you can use separately or combine two together.

**Head style option:**  
*roller ball, slant tip and ophthalmic tip.*



# 03

Product Introduction



# Perfect Experience



## Perfect Experience



Watch  
the  
tube



Tube Diameter	30
Tube Length(mm)	60-170
Volume(ml)	20-80
Orifice(mm)	N/A

# Spinning Brush Tube




# Spinning Brush Tube

Rotating kit to spin up the brush.  
Easily remove the brush for cleaning.

# Brush Tube

UDN designed a patented automatic valve system, combining with brush, you can squeeze and apply easily.



  
Watch the tube



Tube Diameter	13/16/19/30/35/40
Tube Length(mm)	40-190
Volume(ml)	3-160
Orifice(mm)	N/A

# Perfect



## Flocking Tube

A gentle skin touch

The flock can be anti-bacteria material.

Tube Diameter	10/13/16/19
Tube Length(mm)	40-120
Volume(ml)	1-20
Orifice(mm)	N/A, 0.8/1.0 /1.1/1.2/0.9*1.2



Watch the tube



## Pinpoint Tube

One press, one drop.

Specific area with precise amount.

The color for TPE applicator can be customized.

***PT tube can also be used with a flocked head.***

Tube Diameter	13/16/19/22/25
Tube Length(mm)	40-150
Volume(ml)	3-50
Orifice(mm)	0.9



Watch the tube

# Experience

# Pump Tube

External Spring Design



<b>Tube Diameter</b>	19/25/30
<b>Tube Length(mm)</b>	50-170
<b>Volume(ml)</b>	5-80
<b>Orifice(mm)</b>	2.0/10.2



Perfect Experience  
•••



# Meteor Rolling Tube

Zinc alloy smooth rolling head design  
Horizontal 360 degree scrolling

Watch  
the  
tube



Perfect Experience



Tube Diameter	16/19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	N/A

# Nebula Tube

Soft neck bracket allows for flexible rolling at large angles

Perfect fit to facial contours, precise application



Tube Diameter	16/19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	N/A

# Stellar Tube

Irregular roller ball design with larger application area

Bringing a more efficient eye care experience



Tube Diameter	16/19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	N/A



# Roxy Tube

The slanted tip and embedded 360-degree roller ball combine to ensure smooth dispensing with the right amount of content, providing a soothing and cooling feel to the lips.

**Material Options for the roller ball:**  
*Metal, Plastic, Ceramics*

Watch  
the  
tube



Tube Diameter	16
Tube Length(mm)	50-120
Volume(ml)	5-15
Orifice(mm)	N/A



Watch  
the  
tube

Tube Diameter	16
Tube Length(mm)	50-120
Volume(ml)	5-15
Orifice(mm)	N/A

# Lunar Tube

The head's expanded opening design broadens the roller ball's contact with the skin around the eyes, allowing for a more even and extensive distribution of the content.

**Material Options for the roller ball:**  
*Metal, Plastic, Ceramics*



Tube Diameter	13/16/19/22/30/35/40/50
Tube Length(mm)	40-195
Volume(ml)	3-250
Orifice(mm)	N/A



# Roller Ball Tube

**Material options  
for the roller ball:**  
stainless, plastic,  
ceramics.

**Available styles:**  
Single Roller Ball, Double  
Roller Balls, 3 Roller Balls  
and 5 Roller Balls.



Watch  
the  
tube





Watch the tube



# Comb Tube

When combing the hair, the contents can be squeezed out simultaneously.

**Two orifice styles are available for your options:**  
on the bottom of comb or on the top of the comb.



Tube Diameter	30
Tube Length(mm)	60-176
Volume(ml)	20-80
Orifice(mm)	5.0*1.2/0.8*2hole

# Hair Tube

Liquid release from teeth, nourishing hair roots. Give you a smooth and non irritating scalp care experience.



**Customization:**

The decorative icon on the top of the cap can be customized according to needs.

Watch the tube



Tube Diameter	30
Tube Length(mm)	60-170
Volume(ml)	20-80
Orifice(mm)	1.2*3hole



# Massage Rolling Tube

*Design of Face Lifting applicators.  
Apply and massage directly and evenly.*

## Material

PE, PP, sugarcane PE, PCR PE, or Ocean plastic. EVOH barrier can be added.  
Laminated ABL/ PBL



Watch  
the  
tube



Perfect  
Experience



Tube Diameter	30
Tube Length(mm)	60-176
Volume(ml)	20-80
Orifice(mm)	N/A, 1.5

# 04

Product Introduction

## Clean as New



# Slanted Tip Tube



The slanted tip design comes from the curve of lips.

This applying action is smooth and elegant of lip makeup products.

Slim and easy to carry, providing users with convenient applying experience.



Watch  
the tube



Tube Diameter	13/16/19
Tube Length(mm)	40-120
Volume(ml)	3-20
Orifice(mm)	1.1/1.2/1.4/1.5/1.9/2.3/2.5



# Lip Glow Tube

The innovative slanted and extended tip design closely conforms to the lip contour, ensuring an even and precise application.



*Watch  
the  
tube*



<b>Tube Diameter</b>	19
<b>Tube Length(mm)</b>	50-120
<b>Volume(ml)</b>	5-20
<b>Orifice(mm)</b>	1.2



# Ophthalmic Tube

Unique design with sharp tube head.  
Easily control the amount and the area to apply.  
To keep your product clean and stable.



Tube Diameter	13/16/19/22/25
Tube Length(mm)	40-150
Volume(ml)	3-50
Orifice(mm)	N/A, 1.0/1.7



Watch  
the  
tube



Clean as New





<b>Tube Diameter</b>	13/16/19
<b>Tube Length(mm)</b>	40-120
<b>Volume(ml)</b>	3-20
<b>Orifice(mm)</b>	0.6/1.0/1.2/1.3/1.8/0.8*4/1.1*4



Watch  
the  
tube

# Soft Tip Tube

Slanted nozzle design makes it easier to dispense the amount of product with control. Soft tip with TPE material, resilient and gentle touch. Handy and easy to use.

# Sponge Tube



Watch  
the  
tube

All-in-one packaging solution.  
Sponge applicator or silicone rubber pad.  
Applying and leaving skin clean.



Watch  
the  
tube

# Starry Tube



Tube Diameter	40
Tube Length(mm)	70-175
Volume(ml)	40-150
Orifice(mm)	N/A

The starry orifice made by TPE provides an aesthetic design, making a "wow" moment for consumers and creating a smooth and soft user experience while applying the contents.



## Cooling Head Tube

Tube Diameter	40
Tube Length(mm)	70-175
Volume(ml)	40-150
Orifice(mm)	N/A

Experience the refreshing touch of the head, featuring a built-in ice liquid for an instant chill. Effectively minimizes puffiness and firms up your skin.



[Watch the tube](#)



[Watch the tube](#)

## Silicone Head Tube

Tube Diameter	30/35/40/50
Tube Length(mm)	60-195
Volume(ml)	20-250
Orifice(mm)	N/A, 2.0/2.7/4.4





# Twist off Tube

Suitable for on-the-go consumers, sample packs or medical ointment.  
Specially designed for single use.



Watch  
the  
tube

<b>Tube Diameter</b>	10/13/19
<b>Tube Length(mm)</b>	40-120
<b>Volume(ml)</b>	3-20
<b>Orifice(mm)</b>	N/A

# Soft Spatula Tube

Soft silicone or TPE material. Touch and clean on instant.

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<b>Tube Diameter</b>	13/16/19/30/35/40
<b>Tube Length(mm)</b>	60-170
<b>Volume(ml)</b>	3-160
<b>Orifice(mm)</b>	1.5/0.8*5.0/0.9*1.2 /1.0*6.0/1.8*1.3/4.0*0.5



  
*Watch  
the  
tube*



Clean as New ...

05  
Product Introduction

Surprise You  
at First Sight



# Ultra Slim Tube

Extra thin design.  
Easy to carry.



  
Watch  
the  
tube



Tube Diameter	35/40
Tube Length(mm)	70-190
Volume(ml)	30-130
Orifice(mm)	1.0/1.5/2.0/3.0/5.0



Surprise You at First Sight ...

Easy applying to specific area with precise amount.



Watch the tube

# Mascara Tube

Tube Diameter	16/19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	6.7/6.8/9.1/9.4

Surprise You

# LIPSTICK TUBE SERIES



Watch the tube

Tube Diameter	16/19
Tube Length(mm)	50-120
Volume(ml)	5-20
Orifice(mm)	N/A, 1.2

*UDN* combines the concept of lipstick and tube, in order to show the possibility of dispensing products in different ways.

*With* a range of diameters (16mm and 19mm) and different applicator options, including flocked sponge, soft tip, flocked tip, and roller ball, the Lipstick Tube shows its flexibility to adapt to different cosmetics and skin care products.

*Besides* the tube and cap, the barrel also provides decoration option such as metalized, hot stamping, offset, and silkscreen printing to create a chic and luxurious look.

At First Sight

# Eco-friendly Materials



## PCR



Watch  
the  
tube

Sourced from single-use packaging, particularly recycled milk packs.

UDN's PCR tubes can be manufactured to FDA standards using any amount of PCR material from 20% up to 100%.

## Bio-resin



Watch  
the  
tube

UDN provides sugarcane-resin and edible oil-based resin. The bio-resin tubes reduce carbon footprint by using renewable resources and lessening reliance on virgin plastics.

## OBP



Watch  
the  
tube

Sourced from deep-sea trawling nets, gillnets, nearshore farming cages, and rope matrices.

These materials comply with REACH standards and have attained GRS and OBP certificates.

# Conventional Materials

## PE

Available categories: HDPE, LDPE, (MDPE)LLDPE. EVOH barrier can be added.

## PP

For mono-material tube.  
EVOH barrier can be added.

The mono-material tube is available in either PP or PE.

## Laminate Tube

Laminate has the characteristics of smoothness, softness, elasticity, and good barrier property.

**UDN provides:**

PBL: Plastic barrier laminate

ABL: Aluminum barrier laminate

# Order Process

## Enquiry 01

The customer sends an enquiry with detailed artwork and product specifications, packaging method, quantity and delivery conditions.

## Quotation 02

We provide quotations and any other information required.

## Pre-production Sample(PPS) 03

We make the print proof according to customer's artwork and start to run the PPS once the proof is approved.

## Sending Sample 04

We send the sample out once ready.

## 05 Mass Production

When we received the order and the PPS is confirmed, the production will be started.

## 06 Inspection

We will do in-process inspection for the semi-products and full inspection for the finished products. And we accept customer's arrangements on the inspection before shipment.

## 07 Payment

Normally 50% deposit and 50% balance before shipment.

## 08 Shipping

UDN contacts with forwarder and arranges the booking.

## Production lead time

If there is no needs for externally purchased parts, the lead time is 20 days; If required, the lead time is 25 days. Lead times are confirmed separately for special/bulk orders.

# Follow Latest TUBE Innovation



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 Website

[www.udnpack.cn/en/](http://www.udnpack.cn/en/)



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