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**Innovative Tubes**  
from Lean Thinking

# About Udn Packaging Corp.

**Udn** Packaging Corp. provides variety state-of-art cosmetics tubes and innovative solutions to world-class customer's requirements.

We leverage our patented technologies to bring unique, eco-friendly, lean-designed, and high quality cosmetic tubes packaging to market.

Our mission is to support our customers obtain the best and most appealing tube packaging products can be stand out.

## Product Development

- 2004 Developed the whole one-piece family (from 13mm to 50mm in diameter). Full wrap around solid hot stamping technology.
- 2005 Spatula Tube.
- 2006 Soft-Tip Tube, which features a totally new soft-tip for facial and lip applications.
- 2007 Granted all 3 awards of plastic tube in "Tube of the Year competition" of "Tube Council 2007":
  - The most innovation tube of the year
  - The plastic tube of the year
  - The best personal care tube of the year
- 2008 Auto-Open brush applicator tubes and Tube-in-Tube product lines.
- 2009 Pin-Point Tubes.
- 2010 The Tube-in-Tube won the ICMAD Award. Double-End Tube and Sponge Tube were announced.
- 2012 Side by Side Tube. Ultra Slim Tube.
- 2013 Solution to sustainability  
3R: Reusing, Reducing, Recycling




## Index .....




<b>A</b> uto-Open Brush Tube .....	1
<b>D</b> ouble-End Tube .....	3
<b>P</b> in-Point Tube .....	5
<b>R</b> oller Ball Tube .....	7
<b>S</b> ide by Side Tube .....	9
<b>S</b> oft-Tip Tube .....	11
<b>S</b> oft Spatula Tube .....	13
<b>T</b> ube-in-Tube .....	15
<b>U</b> ltra Slim Tube .....	17
<b>D</b> ecoration Options .....	19
<b>A</b> rtwork guideline .....	20










# Auto-Open Brush Tube

Tube	D16-VH002	D16-CM5-H4	D19-VH002
Tube Diameter (mm)	16mm	16mm	19mm
Head Style			
Head Material	PE		
Tube Length (mm)	52~111	52~111	50~105
Capacity (ml)	5~15	5~15	5~20
Orifice (mm)	N/A	N/A	N/A

Tube	D19-CM5-H4	D30-OVAL8	D30-M15R
Tube Diameter (mm)	19mm	30mm	30mm
Head Style			
Head Material	PE		
Tube Length (mm)	50~105	70~151	65~161
Capacity (ml)	5~20	20~70	20~80
Orifice (mm)	N/A	N/A	N/A

Cap Code & Style	D16-T14UD	D16-T117UD	D30-PL014	D30-PL001	D30-T97UD
Picture					
D16-VH002	✓	✓			
D16-CM5-H4	✓	✓			
D19-VH002	✓	✓			
D19-CM5-H4	✓	✓			
D30-OVAL8			✓	✓	
D30-M15R					✓

## FEATURE

Automatic on/ off patent design valve system.  
Customize brush color.

## ADVANTAGE

### User Friendly:

Open/close automatically,  
avoid customers forgetting  
to close the products.




### Green:

Fewer components, reduce carbon footprint.





## Double-End Tube

Tube	D16-AA6	D16-QQ1	D16-LN9
Tube Diameter (mm)	16mm	16mm	16mm
Head Style			
Head Material	PE		
Tube Length(mm)	52~111	52~111	52~111
Capacity(ml)	5~15	5~15	5~15
Orifice(mm)	1.2	N/A	1.7



### FEATURE

Joint two types of tubes via a connector, total 9 combination with 2 function.

### ADVANTAGE

Two Diameter 16mm tubes from 3 head styles: Roller Ball, Slant Tip, and Ophthalmic Tip can be jointed together freely.






Decorations on tubes and connector can be aligned with each other easily.

Connector can have silk screen, metalized, and hot stamping. Presents luxury.





## Pin-Point Tube

Tube	D13-PT2	D16-PT2	D19-PT2	D22-PT2	D25-PT2
Tube Diameter (mm)	13mm	16mm	19mm	22mm	25mm
Head Style					
Head Material	TPR W/PE				
Tube Length (mm)	44~108	52~111	50~105	59~129	64~141
Capacity (ml)	3~10	5~15	5~20	10~35	15~50
Orifice (mm)	0.8	0.8	0.8	0.8	0.8

Cap Code & Style	D13-T115UD	D22-T53UD
Picture		
D13-PT2		
D16-PT2		
D19-PT2		
D22-PT2		
D25-PT2		

### FEATURE

Soft Pin-Point tip bring massage effect.  
Precise dispensing, no dipping, no mess.

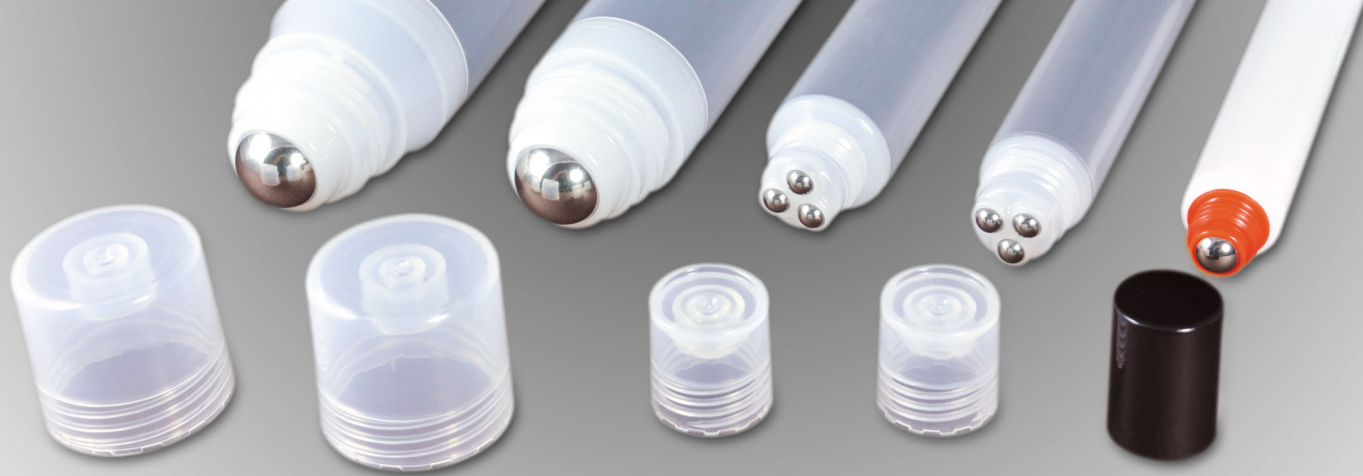
### ADVANTAGE

#### User Friendly:

Easy for the customers to use for the very specific area. Soft touch for cosmetics to be applied evenly and gently.

Customized Pin-Point color.











## Roller Ball Tube

Tube	D16-QQ1	D19-QQ3	D19-AT2-Q061	D22-QQ3
Tube Diameter(mm)	16mm	19mm	19mm	22mm
Head Style				
Head Material	Ball: Material- Stainless Steel 316L, Plastic: POM; Head: PE			
Tube Length (mm)	52~111	50~105	50~105	59~129
Capacity(ml)	5~15	5~20	5~20	10~35
Orifice(mm)	N/A	N/A	N/A	N/A

Tube	D30-QQ4	D35-QQ4	D40-QQ3
Tube Diameter (mm)	30mm	35mm	40mm
Head Style			
Head Material	Ball: Material- Stainless Steel 316L, Plastic: POM; Head: PE		
Tube Length (mm)	65~161	72~165	77~170
Capacity(ml)	20~80	25~110	40~150
Orifice(mm)	N/A	N/A	N/A

Cap Code & Style	D16-T81UD	D16-T104UD	D19-T100UD	Y0160B	D30-T109UD	D40-T127UD
Picture						
D16-QQ1	✓	✓				
D19-QQ3			✓			
D19-AT2-Q061				✓		
D22-QQ3			✓			
D30-QQ4					✓	
D35-QQ4					✓	
D40-M35						✓

### FEATURE

The most concise design brings you the action of stimulation, application and massage in addition to providing a cooling effect.

### ADVANTAGE

Less component, green and reduce carbon foot print.

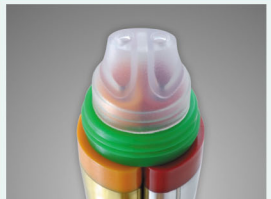


Directly use and no open/ close valve.

Ceramic ball, gold plating ball, and titanium ball are available.









## Side by Side Tube

Tube	D19-SBS02	D19-SBS04	D30-SBS07
Tube Diameter (mm)	25	25	40
Head Style			
Head Material	PE		
Tube Length(mm)	59~108	59~108	80~160
Capacity(ml)	10~35	10~35	40~12
Orifice(mm)	11.0*5.5*2	6.0*2	5.0*2
Front Filling	Available	Available	N/A

Tube	D40-SBS01	D40-SBS06
Tube Diameter (mm)	50	50
Head Style		
Head Material	PE	
Tube Length(mm)	50~105	77~170
Capacity(ml)	5~15	50~140
Orifice(mm)	2.5*2	Cap: 5.0*2
Front Filling	N/A	Available

Cap Code & Style	D25-T118UD	D25-F16UD	D25-F18UD	D40-F19UD
Picture				
D19-SBS02	✓			
D19-SBS04		✓	✓	
D30-SBS07				✓

Cap Code & Style	D50-F15UD	D50-F16UD	D50-F18UD
Picture			
D40-SBS01	✓		
D40-SBS06		✓	✓




### FEATURE



Accurate dispense ratio of 2 contents.  
No sealing issue with pre-sealed tube.  
Big nozzles for front filling;  
small orifices for dispensing.





## Soft Tip Tube

Tube	D13-ST3	D16-ST2	D19-ST1
Tube Diameter (mm)	13mm	16mm	19mm
Head Style			
Head Material	TPR		
Tube Length (mm)	44~108	52~111	50~105
Capacity(ml)	3~10	5~15	5~20
Orifice(mm)	0.6/1.2	1.0	2.0

Tube	D19-ST2	D19-ST6
Tube Diameter (mm)	19mm	19mm
Head Style		
Head Material	TPR	
Tube Length (mm)	50~105	50~105
Capacity(ml)	5~20	5~20
Orifice(mm)	1.0	1.5

Cap Code & Style	D13-T13UD	D16-T21YJ	D16-T22YJ	D16-T21UD	D16-T22UD
Picture					
D13-ST3	✓				
D16-ST2		✓	✓	✓	✓
D19-ST2		✓	✓	✓	✓

Cap Code & Style	D16-T23UD	D19-T61UD	D19-T65YJ	D19-T67UD	D19-T71YD
Picture					
D16-ST2	✓				
D19-ST1		✓			
D19-ST2	✓				
D19-ST6			✓	✓	✓

### FEATURE

Use TPR as the head provide soft touch to human skin. Tubes with our TPR spot tip provide more soft and accurate way to dispense the content. It is resilient but soft touch, handy and easily to apply on skin.



### ADVANTAGE

#### User Friendly:

Soft TPR tip is used to apply component more gently.

#### Green:

Reduce the component by over-modeling the soft-tip head.





## Soft Spatula Tube

Tube	D13-SP1	D16-SP1	D19-SP1	D22-SP1
<b>Tube Diameter(mm)</b>	13mm	16mm	19mm	22mm
<b>Head Style</b>				
<b>Head Material</b>	TPR/ Silicon + PE			
<b>Tube Length(mm)</b>	44~108	52~111	50~105	59~129
<b>Capacity(ml)</b>	3~10	5~15	5~20	10~35
<b>Orifice(mm)</b>	2.0*1.5mm	2.0*1.5mm	2.0*1.5mm	2.0*1.5mm

Cap Code & Style	D13-T14UD	D16-T13UD
<b>Picture</b>		
<b>D13-SP1</b>	✓	
<b>D16-SP1</b>		✓
<b>D19-SP1</b>		✓
<b>D22-SP1</b>		✓

### FEATURE

Patented design no moving parts for closing/ opening by cap automatically.

### ADVANTAGE

#### User Friendly:

Easy to squeeze out the content with soft feeling of applicator.





#### Clean:





No moving parts, leak proof contents won't be polluted. No coagulation issue like brush.






## Tube-in-Tube

Tube	D19/ D10-AA13	D19/ D13-AA14	D19-XD3/ D13-NJ006	D35/ D25-OPV3
Tube Diameter(mm)	19mm	19mm	19mm	35mm
Head Style				
Head Material	PE			
Tube Length (mm)	55~105	44~108	44~108	95~161
Capacity(ml)	5~15	3~10	3~10	40~100
Orifice(mm)	1.2*2	1.2*2	1.0*2	Cap: 3.0*2

Tube	D35-NM228/ D25-NJ012	D50-NM224/ D35-NJ007	D50-NM228/ D35-NJ012	D50-NM229/ D35-PF002
Tube Diameter(mm)	35mm	50mm	50mm	50mm
Head Style				
Head Material	PE			
Tube Length (mm)	75~165	72~187	72~187	72~187
Capacity(ml)	20~100	50~260	50~260	50~260
Orifice(mm)	4.0	1.5*6+3.5	4.0	Cap: 5.0*2

Cap Code & Style	D19-T19UD	D35-T15UD	D50-T16UD	D50-F15UD
Picture				
D19/D10-AA13	✓			
D19/D13-AA14	✓			
D19-XD3/D13-NJ006	✓			
D35-NM228/D25-NJ012		✓		
D50-NM224/D35-NJ007			✓	
D50-NM228/D35-NJ012			✓	
D50-NM229/D35-PF002				✓





## Ultra Slim Tube

Tube	D35-OVAL10	D40-OVAL10
Tube Diameter (mm)	35mm	40mm
Head Style		
Head Material	PE	
Tube Length (mm)	108~188	92~168
Capacity(ml)	30~110	50~140
Orifice(mm)	1.5/3.0/5.0	1.5/3.0/5.0

Cap Code & Style	D35-V46UD	D35-V48UD	D40-V46UD
Picture			
D35-OVAL10	✓	✓	
D40-OVAL10	✓	✓	✓

### FEATURE

#### Thickness

The thickness is not more than 16mm, compact space is excellent for delivery cost saving.

#### Ultra size impression

Front panel decoration area is 16% more than the conventional one.





## Decoration Options

Udn offers variety of head styles, for tube from diameter 13mm to 50 mm. The materials of tube are available in PE, PP, co-extrusion EVOH and Laminate (ABL, PBL).

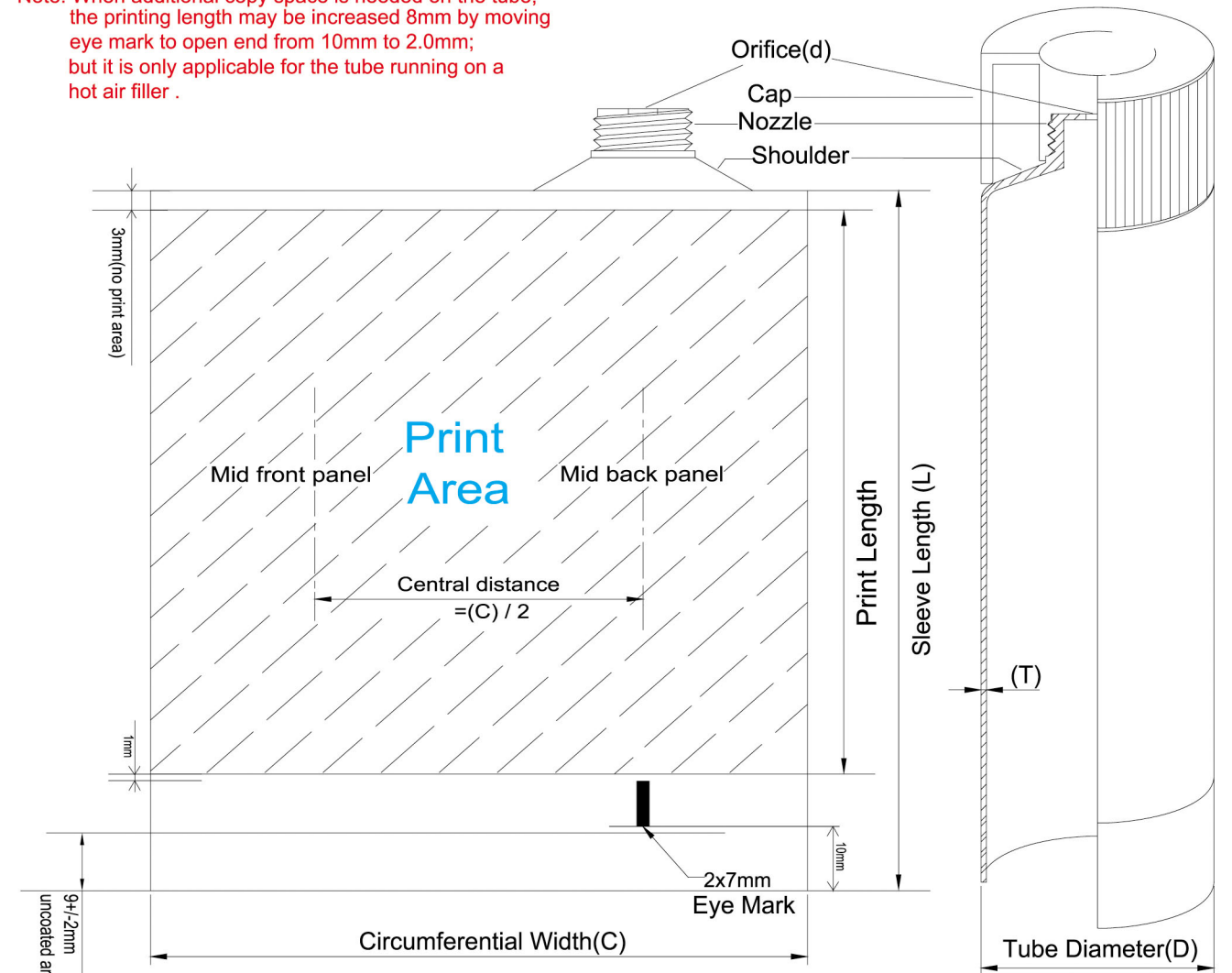
Decorating options include one- to six-color offset, one- to five-color silk screen print, up to 100% hot stamping, spot-and full wrap labeling, as well as a variety of custom options.

Thanks to sleeve decoration before heading the tube, over shoulder decorations and artwork oriented to applicator and flip top cap is available.

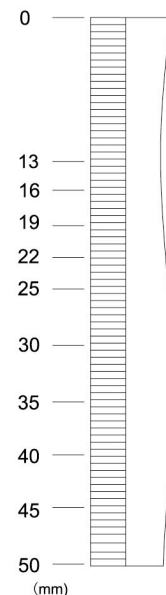


## Artwork Guideline

Note: When additional copy space is needed on the tube, the printing length may be increased 8mm by moving eye mark to open end from 10mm to 2.0mm; but it is only applicable for the tube running on a hot air filler.



Measure tube diameter:  
Place one edge of tube seal here



Tube Diameter (D) (D) +/- 0.5mm	Sleeve Length (L) Min. Max.	Wall Thickness (T) (T) +/- 0.03mm	Orifice Diameter (d) (d) +/- 0.2mm	Circumferential Width (C) (mm)
13	40 - 110	0.40	0.6 to 1.5	40.8
16	50 - 110	0.40	1.0 to 4.5	50.2
19	50 - 105	0.40	1.0 to 4.5	59.7
22	60 - 129	0.40	1.0 to 4.5	69
25	70 - 141	0.40	1.0 to 4.5	78.5
30	75 - 161	0.45	1.0 to 7.0	94.2
35	90 - 165	0.45	1.0 to 7.0	110
40	100 - 170	0.45	1.0 to 7.0	125.6
45	100 - 170	0.45	1.0 to 8.0	141
50	100 - 183	0.50	1.0 to 8.0	157