

# VIVA IML TUBES

In Mold Labeled Tubes - Cutting Edge Innovation for Top Tier Brands



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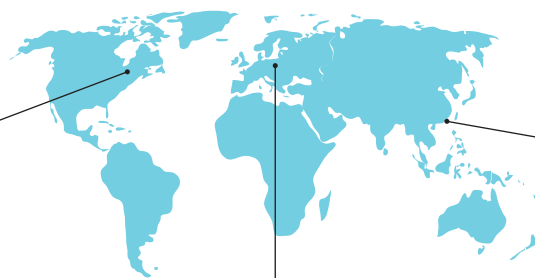
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# About VIVA

## Global Manufacturing



Toronto, Canada  
(2 plants)



Hong Kong, China  
(HQ)



Warsaw, Poland

## Fully integrated Tube and In-Mold label manufacturing

### Printing

- IML film extrusion
- Esko artwork processing
- Gallus IML printing /Digital IML printing

### Tube/ Cap production

- Tube and cap injection-molding with Sumitomo / Netstal molding lines
- Tube and cap assembly by in-house-made fully automated machines
- Fully automated finished-product QC

## New Concepts (from concept to manufacturing)

- State-of-the-art 3D design and simulation software
- 3D-printing prototype
- Digital-printing
- Prototype mold design and fabrication
- Prototype trials and qualifications based on industry quality requirements
- Production mold design and fabrication
- In-house design and building of manufacturing process and automatic production lines

# In-Mold Label Tube (IML Tube)

**Process :** Injection-molding with in-mold labeling

**Tube material :** Polypropylene (FDA approved)

**Cap material:** Polypropylene (FDA approved)

## In-mold Label substrates:

- CPP standard barrier properties
- EVOH barrier equivalent to PBL (0.6cc/m2/day)
- Foil barrier equivalent to PBL (0.8cc/m2/day)
- Aluminum (ABT) barrier equivalent to ABL (0.06cc/m2/day)



## Gallus IML printing:

- Flexo / Offset / Silkscreen
- Cold foil / Hotstamp
- Matt, gloss, soft touch
- Holographic
- up to 12 colors print
- full flood cold foil or knockout
- spot or full flood
- standard or custom holographic pattern

## Digital IML printing:

- Suitable for mockup sample or short production run
- Up to 7 colors print
- Offline varnish printing
- Offline hotstamp / cold foil



# Round Tube

|   |   |  |   |
|---|---|--|---|
|  <p><b>D19 (3/4")</b></p>       |  <p>Orifice~<br/>0.5, 1.2, 2, 3, 5mm</p> |  <p>Lip ~1.3, 2mm<br/>Nose 1 ~1.2mm<br/>Nose 2 ~1.3, 3mm<br/>Nose 3 ~4, 5, 6, 7mm</p> |  <p>Lip ~1.3, 2mm<br/>Nose 1 ~1.2mm<br/>Nose 2 ~1.3, 3mm<br/>Nose 3 ~4, 5, 6, 7mm</p>   |
|  <p><b>D25 (1")</b></p>         |  <p>Orifice~<br/>1.5, 3, 5mm</p>         |  <p>21mm Width<br/>Orifice~<br/>0.5, 1.2, 2, 3, 5mm</p>                               |  <p>19mm Diameter<br/>Lip~ 1.3, 2mm<br/>Nose 1 ~1.2mm<br/>Nose 2 ~1.3, 3mm<br/>Nose 3 ~4, 5, 6, 7mm</p>   |
|  <p><b>D30 (1-3/16")</b></p>    |  <p>Orifice~<br/>1.5, 3.5mm</p>          |  <p>21mm Width<br/>Orifice~ Max 4mm</p>   |   |
|  <p><b>D35 (1-3/8")</b></p>    |  <p>Orifice~<br/>1.5, 3.5mm</p>         |  <p>21mm Width<br/>Orifice~<br/>0.5, 1.2, 2, 3, 5, 8mm</p>                           |  <p>Nose 1 ~1.2mm<br/>Nose 2 ~3mm<br/>Nose 3 ~4, 5, 6, 7mm</p>  <p>Snap On<br/>Orifice ~<br/>1.5, 3, 5, 6mm</p>                      |
|  <p><b>D38.5 (1-1/2")</b></p> |  <p>Orifice~<br/>1.5, 3.5, 5, 6mm</p>  |  <p>21mm Width<br/>Orifice~<br/>0.5, 1.2, 2, 3, 5, 8mm</p>                          |  <p>35mm Diameter<br/>Nose 1 ~1.2mm<br/>Nose 2 ~3mm<br/>Nose 3 ~4, 5, 6, 7mm</p>  <p>Snap On<br/>Orifice~<br/>1.5, 3.5, 5, 6mm</p> |
|  <p><b>D48.5 (2")</b></p>     |  <p>Orifice~<br/>1.5, 3, 5, 6mm</p>    |  <p>21mm Width<br/>Orifice~<br/>2, 3, 5, 10mm</p>                                   |  <p>Snap On<br/>Orifice ~ 1.5, 3, 5, 6mm</p>  |
|  <p><b>D50 (2")</b></p>       |  <p>Orifice~<br/>1.5, 3, 5, 6mm</p>    |  <p>21mm Width<br/>Orifice~<br/>2, 3, 5, 10mm</p>                                   |   |
|  <p><b>D55 (2-3/16")</b></p>  |  <p>Orifice~<br/>3, 5, 6mm</p>         |  <p>48.5mm Diameter<br/>Orifice~ 2, 3, 5, 10mm</p>                                  |   |



# Oval Tube



D30 Flat Oval



Orifice~ 1.5mm, 2mm



D30 Round Oval



Orifice~ 1.5mm



D38.5 Round Oval



Orifice~ 2.6mm



Orifice~ 1.5, 3, 5, 6mm



D48.5 Round Oval



Orifice~ 2.6mm



Orifice~ 3, 5, 6mm



# Dual Tube

**Tube size:** D48.5 (2") diameter

**Capacity:** 236ml (8oz) 4oz per side

**Cap:** Fliptop, single or double flip and orifice



# Airless Pump Tube

## Airless pump:

Aptar

## Available tube sizes:

D25, D35, D38.5, D48.5

## Pump flow rate:

D25- 150ul  
D35, D38.5 D48.5 - 200ul



D25

D35

D38.5

D48.5

# Cosmetic Tube

## Brush Tube

- Mascara brush
- Doe foot brush
- Lip brush



## Eyecare Tube

- Zinc Alloy tip
- Ceramic tip



# Applicators Tube

## D19 / D25 Custom Applicators



Metal Ball  
Part : Ball



Spatula (TPR)  
Part : Spatpr



Spatula (Silicone)  
Part : Spa



Doe foot Scrub (Silicone)  
Part : Scrub



Doe foot with 5 holes (Silicone)  
Part : Foot5



Doe foot with 4 holes (Silicone)  
Part : Foot4



Doe foot with 1 hole (Silicone)  
Part : Foot1 (with or without spring)



Lip brush (PBT)  
Part : Brush



Flocked doe foot (Hytrell + 1405M)  
Part : Flock

## D19 / D25 Polypropylene Applicators



Lip balm tip  
Part : Lip



1.2mm Nose tip  
Part : Nose 1



1.3mm / 3mm Nose tip  
Part : Nose 2



7mm Nose tip  
Part : Nose 3



# Stock Tube

## IML Label Inventory

- Preprint label program
- Reduce 50% lead time



Pre-print IML Label

## Stock Tube with Custom IML substrate

- Any choice of substrates for your barrier and decor requirements
- Apply adhesive labels or direct printing at filling on unprinted tube stocks
- Options:
  - ▶ Standard white/clear in CPP or EVOH
  - ▶ Foil or ABT silver metallic
  - ▶ Holographic pattern



Stock Tube

# Amenity Tube

Applications: Amenity

- Tube Decorations:
- Silkscreen direct print
  - Adhesive label
  - In-mold labeling



# Special Closure & Tamper Proof

## Special Closures



Metalized Cap



Metal Overshell Cap



Hotstamped Ring



Octagonal Cap



Vented Low Profile Cap

- D48.5 (21mm height)
- D50 (22mm height)

## Tamper-proof



Induction Seal



Foil Seal



Transparent Seal



Tamper-proof  
Fliptop Cap



Tamper-proof  
Shrink Sleeve

# Tube Volume to Size Chart

| Types                  |     | D19                   | D25   | D30    | D35   | D40   | D48.5 | D50   | D55    |
|------------------------|-----|-----------------------|-------|--------|-------|-------|-------|-------|--------|
| Actual Diameter (mm)   |     | 19                    | 25    | 30     | 35    | 38.5  | 48.5  | 50    | 55     |
| Actual Diameter (Inch) |     | 3/4                   | 1     | 1-3/16 | 1-3/8 | 1-1/2 | 2     | 2     | 2-3/16 |
| Shape                  |     | Round                 | Round | Round  | Round | Round | Round | Round | Round  |
| fl. oz.                | mL  | Tube Body Length (mm) |       |        |       |       |       |       |        |
| 0.34                   | 10  | 60                    |       |        |       |       |       |       |        |
| 0.41                   | 12  | 70                    |       |        |       |       |       |       |        |
| 0.50                   | 15  | 80                    |       |        |       |       |       |       |        |
| 0.57                   | 17  | 90                    | 60    |        |       |       |       |       |        |
| 0.75                   | 20  | 100                   | 70    |        |       |       |       |       |        |
| 0.85                   | 25  |                       | 80    |        |       |       |       |       |        |
| 1.00                   | 30  |                       | 90    | 75     |       |       |       |       |        |
| 1.25                   | 35  |                       | 100   | 85     |       |       |       |       |        |
| 1.50                   | 45  |                       | 110   | 100    | 90    |       |       |       |        |
| 1.75                   | 50  |                       | 120   | 105    | 95    |       |       |       |        |
| 2.00                   | 60  |                       | 130   | 120    | 105   |       |       |       |        |
| 2.25                   | 65  |                       |       | 130    | 110   |       |       |       |        |
| 2.50                   | 75  |                       |       |        | 120   | 100   |       |       |        |
| 2.75                   | 80  |                       |       |        | 125   | 105   |       |       |        |
| 3.00                   | 90  |                       |       |        | 135   | 115   | 90    |       |        |
| 3.25                   | 95  |                       |       |        | 140   | 120   | 95    | 90    |        |
| 3.50                   | 105 |                       |       |        | 146   | 130   | 100   | 95    |        |
| 3.75                   | 110 |                       |       |        |       | 135   | 105   | 100   |        |
| 4.00                   | 120 |                       |       |        |       | 145   | 110   | 105   |        |
| 4.25                   | 125 |                       |       |        |       | 150   | 115   | 110   |        |
| 4.50                   | 130 |                       |       |        |       | 155   | 120   | 115   |        |
| 4.75                   | 140 |                       |       |        |       | 160   | 125   | 120   |        |
| 5.00                   | 145 |                       |       |        |       | 165   | 130   | 125   |        |
| 5.25                   | 155 |                       |       |        |       | 174   | 135   | 130   |        |
| 5.50                   | 160 |                       |       |        |       | 180   | 140   | 135   |        |
| 5.75                   | 170 |                       |       |        |       | 190   | 145   | 140   |        |
| 6.00                   | 175 |                       |       |        |       | 195   | 150   | 145   |        |
| 6.25                   | 185 |                       |       |        |       | 200   | 155   | 150   |        |
| 6.75                   | 200 |                       |       |        |       |       | 160   | 155   |        |
| 7.00                   | 205 |                       |       |        |       |       | 165   | 160   | 125    |
| 7.50                   | 220 |                       |       |        |       |       | 170   | 165   | 135    |
| 8.00                   | 235 |                       |       |        |       |       | 176   | 170   | 145    |
| 8.50                   | 250 |                       |       |        |       |       | 180   | 175   | 150    |
| 9.00                   | 265 |                       |       |        |       |       | 190   | 180   | 160    |
| 9.50                   | 280 |                       |       |        |       |       | 200   | 190   | 165    |
| 10.00                  | 295 |                       |       |        |       |       | 206   | 200   | 170    |
| 10.50                  | 310 |                       |       |        |       |       |       | 206   | 180    |
| 11.00                  | 325 |                       |       |        |       |       |       |       | 185    |
| 11.50                  | 340 |                       |       |        |       |       |       |       | 195    |
| 12.00                  | 355 |                       |       |        |       |       |       |       | 200    |
| 12.50                  | 370 |                       |       |        |       |       |       |       | 206    |

Note: Tube data above are only for your reference and final size to be determined by customer.

You may request any specific length for your required tube capacity and diameter.

## Contacts

|  |   |  |
|--|---|--|
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