

A 3D CAD rendering of a plastic injection molding machine. The machine is shown in a semi-transparent grey style, revealing internal components like the barrel, heater bands, and reciprocating screw mechanism. The text is overlaid on this image.

# **Introduction**

## **Plastic Molds for Packaging Industry**

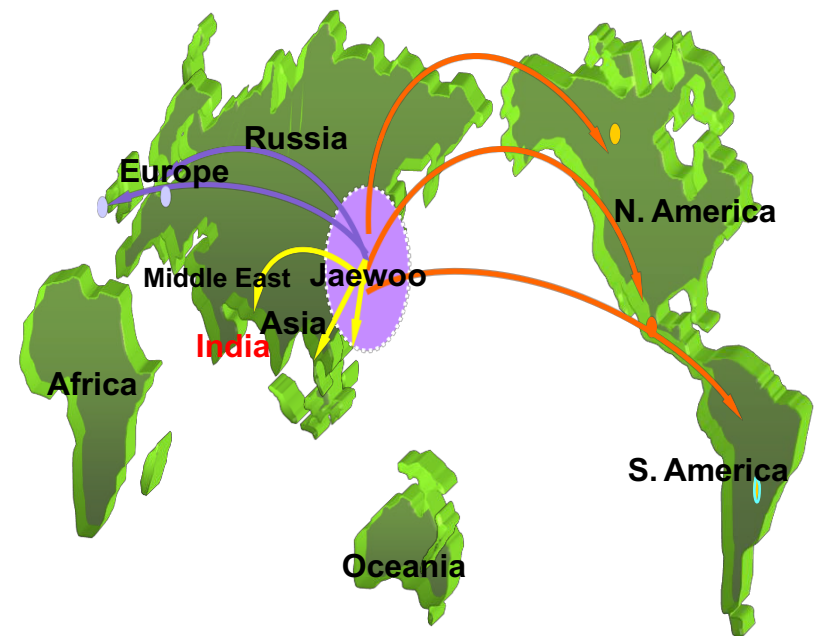
**Jaewoo Corporation**  
**Jaewoo Plastics Co., Ltd**



# Business application for Packaging Industry

- . Injection Molds
- . **Injection Molds with IMC**
- . **Injection Molds with IML**
- . Injection Molds with two color
- . Injection Blow Molds (IBM)
- . Extrusion Blow Molds (EBM)
- . PET/ISB Molds

- . Personal care
- . Cosmetic parts
- . Pharmaceutical/Nutraceutical
- . Food & Beverage
- . Stationary (writing instrument)
- . Medical part (disposable products)
- . Engineering packaging item





## Projects since last 10 years :

India, USA, etc supply to Various molders (Weener) since last 10 years :

- > Spout Cap & Base, 20/24ml Oil cap, Powder Caps, Alpha FTC 15/28mm, etc
- > Rethink Cap 2/3mm Pin, Tamper Evident Cap, Listerine Caps(250/500ml, etc..)
- > Clean & Clean Cap, Savlon Cap, JBP 30, 50,100g (IBM) etc .

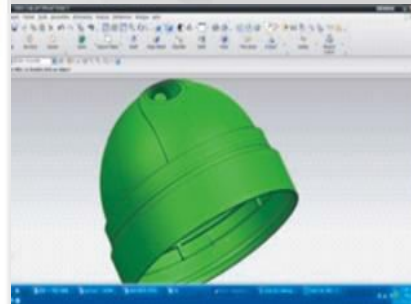
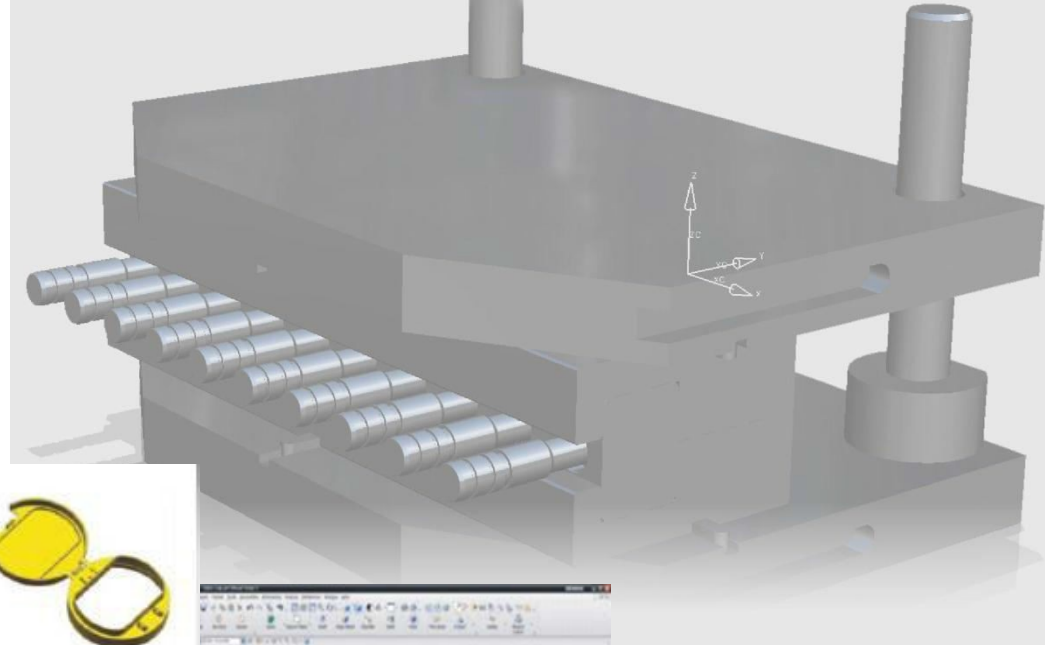
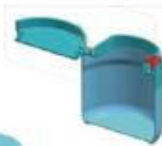
J&J requirements are very critical & high, to use all base RAMAX materials & Core and cavity Stainless Steel(STAVAX) and also high quality Hot runner system ( Mold master, Husky )



# Mold Making Process

## Modeling

**Improving quality by** Advanced Engineering skills **and** CAD/CAM system.

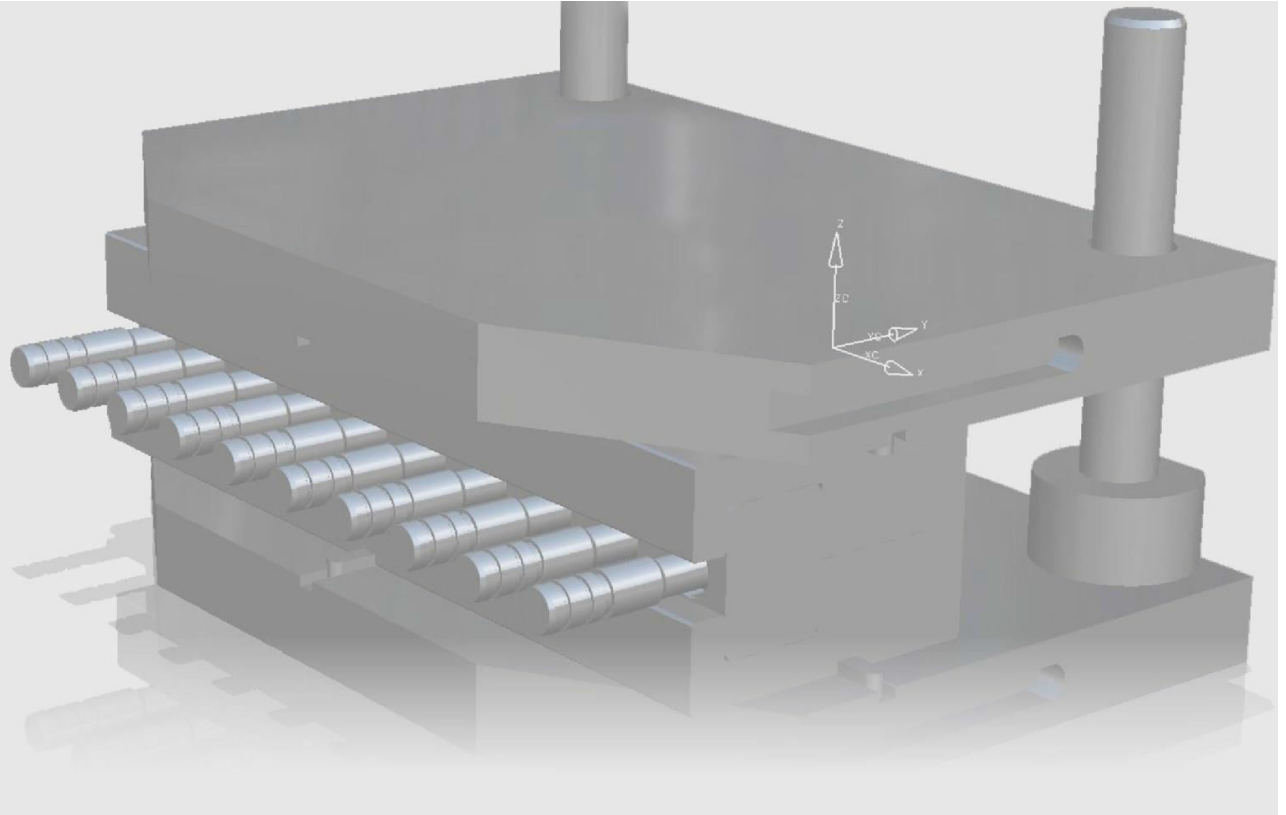
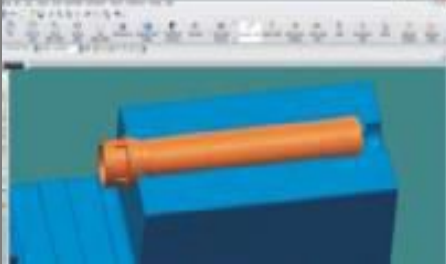




# Mold Making Process

## Mold Design

Auto CAD, CADKEY, 3D Mold Design(Unigraphics)



## Pilot Molds

Pilot Molding Service to get the Quality Control,  
All feedback data Shares with Customers



# Mold Making Process

T  
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## Trial Test

Ready to provide Trial samples

Production Mold, Adjust and

test to approval the Samples





# Injection Molds

Plastic Molds for Cap, Lid, Cover, Plug, Container





## ☐ *Samples for reference*





## ☐ *Samples for reference*



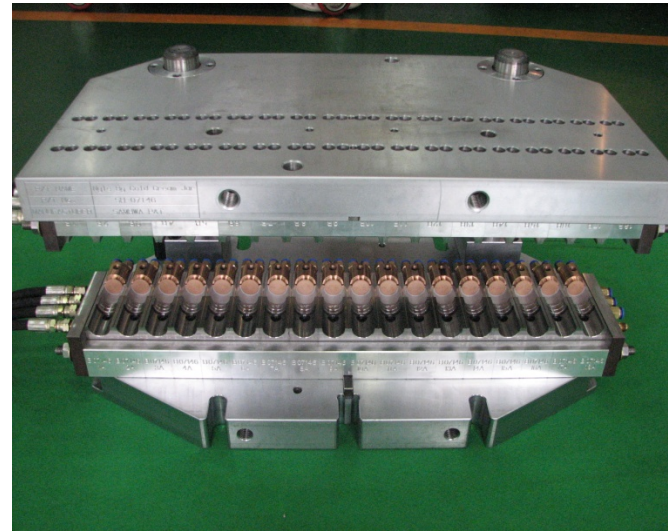
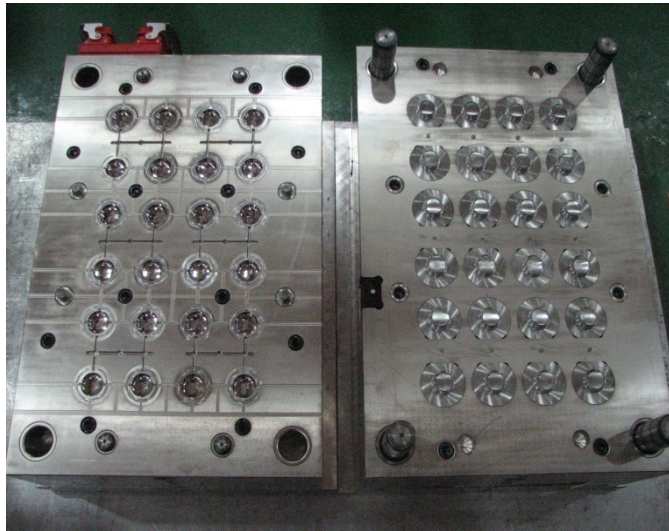


## ☐ *Samples for reference*





## ☐ *Samples for reference*



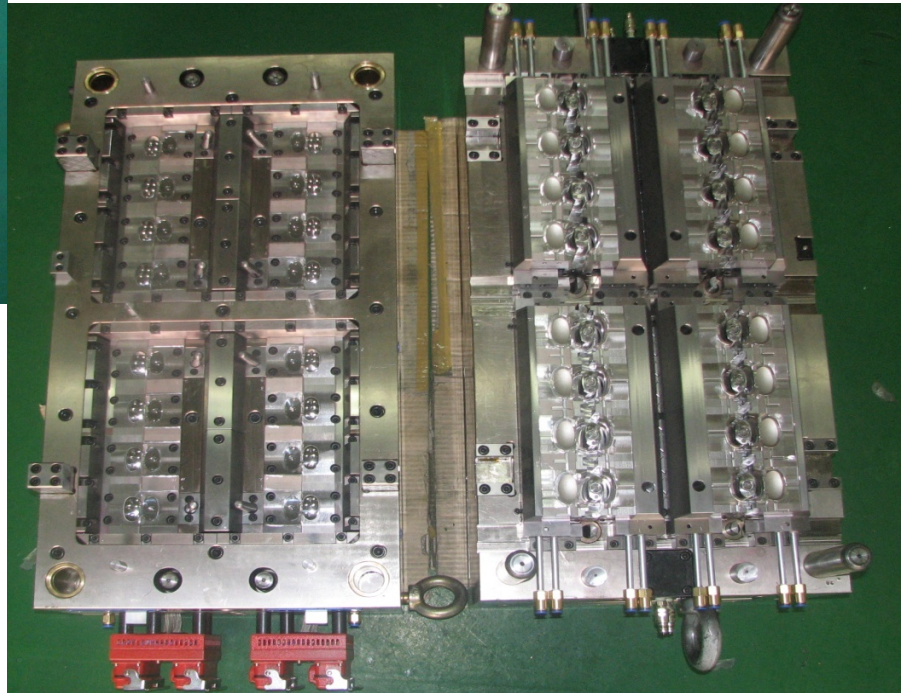
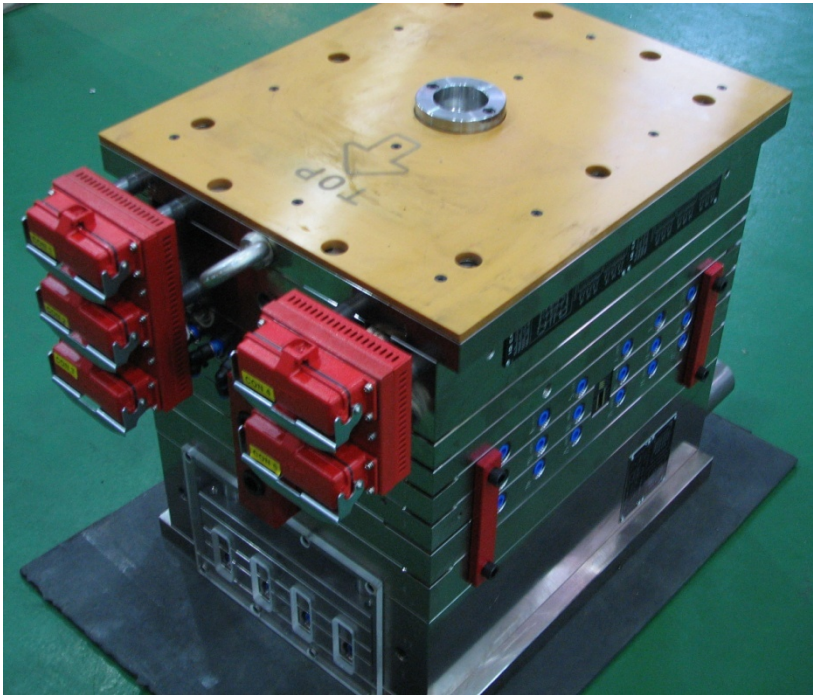


## □ *Samples for reference*



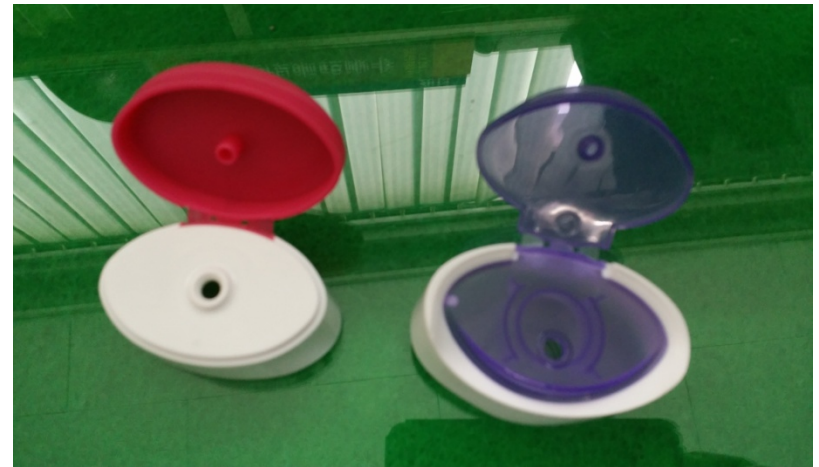
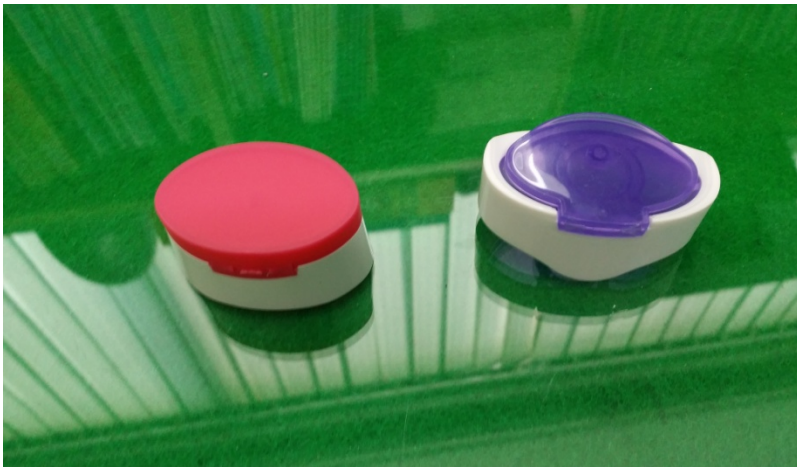
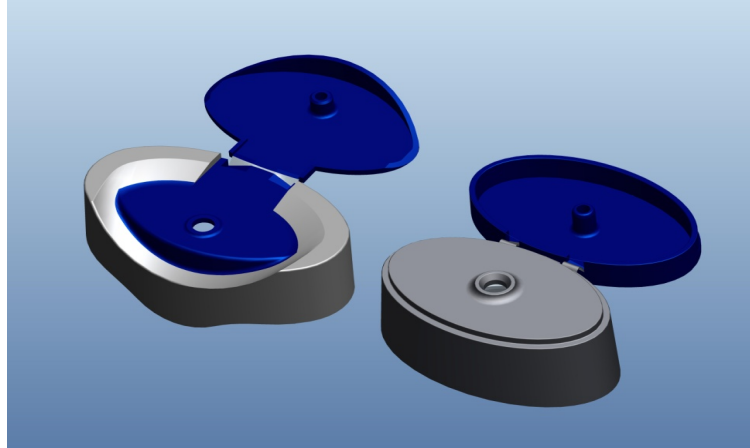


## ☐ *Samples for reference*





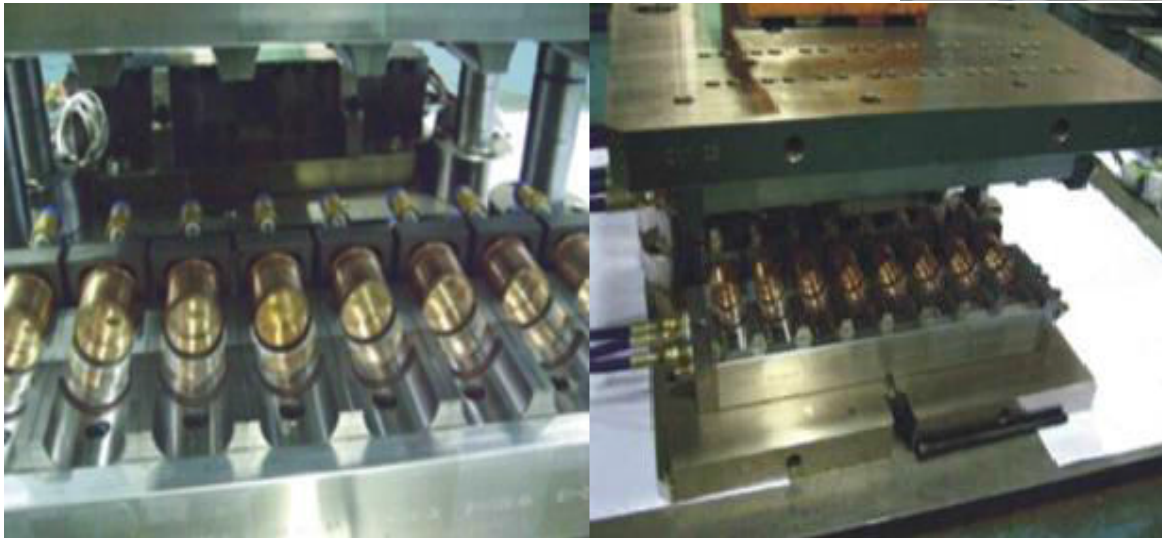
❑ ***Samples for reference “Bi Injection Cap”***





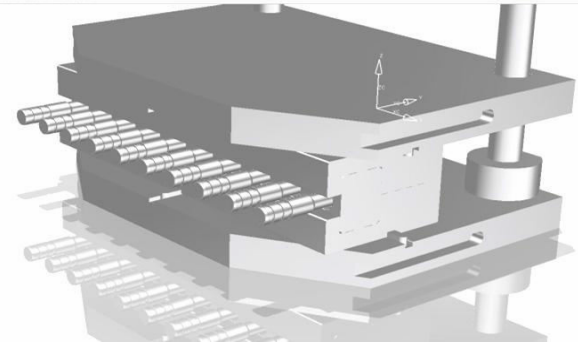
# Injection Blow Mold

Plastic Bottle Molds for Cosmetics, Pharmacy,  
Agricultural Chemicals, Food & Beverage

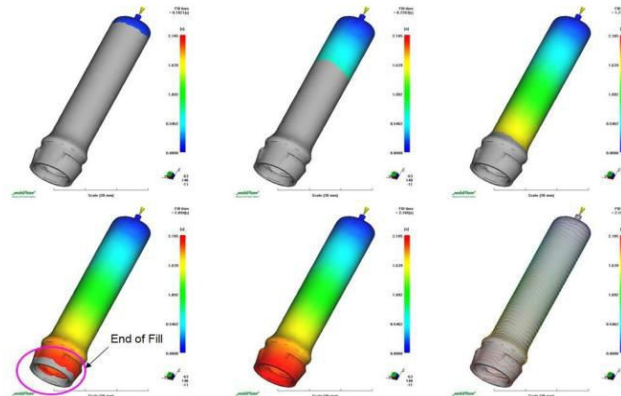




# Injection Blow Mold



- . Specialized in Injection Blow Molds.
- . Deal with several kinds of materials, HDPE, PE, PP etc which will apply to wide variety of Plastic Packers.





□ ***Samples for reference***





□ ***Samples for reference***





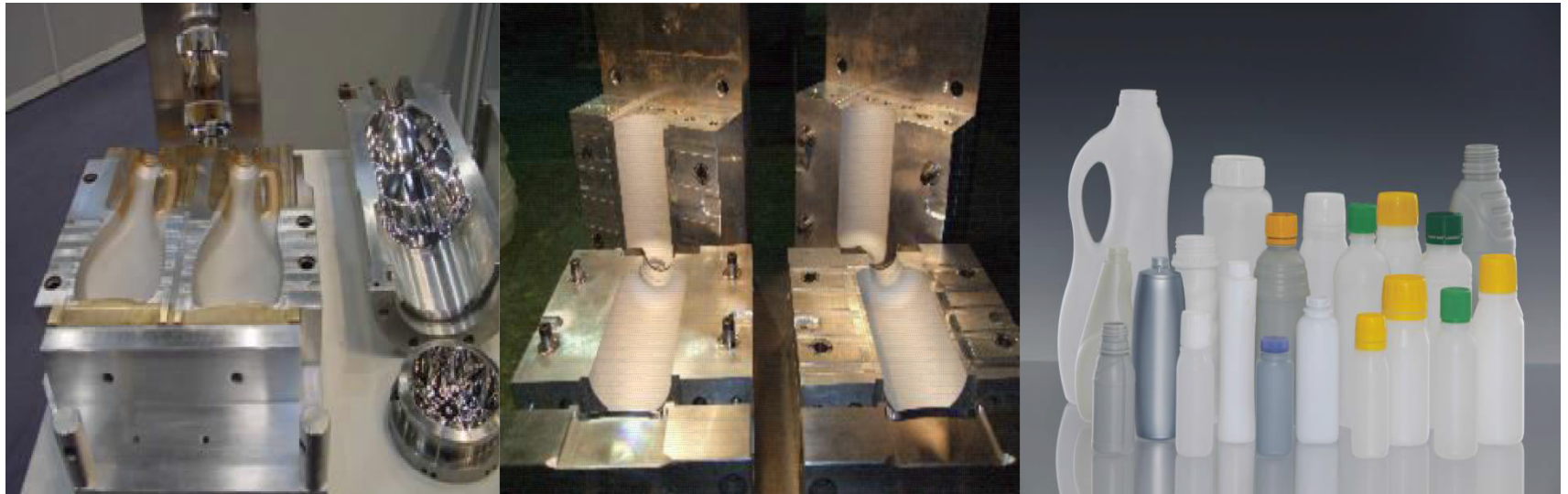
❑ ***Samples for reference “ Pharmaceutical ”***





# Extrusion Blow Mold

Plastic Molds for Detergent, Shampoo,  
Agricultural Chemical Container



BMP



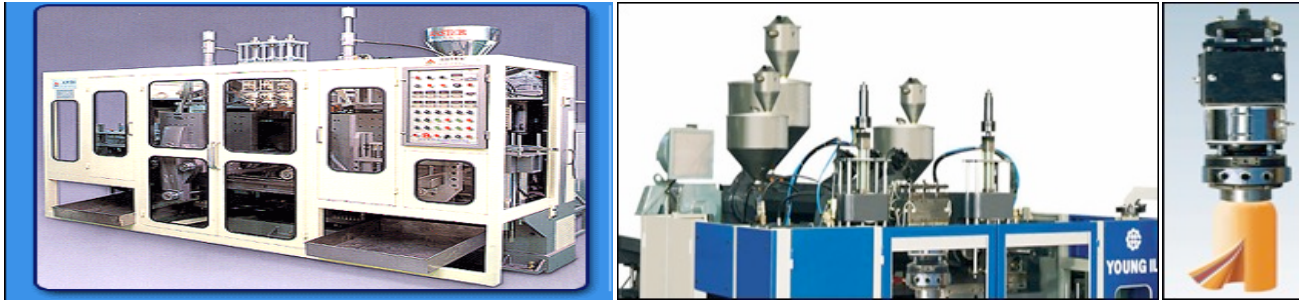
❑ ***Samples for reference “EBM” products***





# Machine for Extrusion Blow Molding (EBM made by PLA-M, IML facilities, from 5cc to 200liter Oil container)

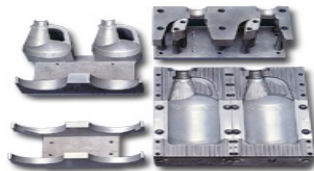
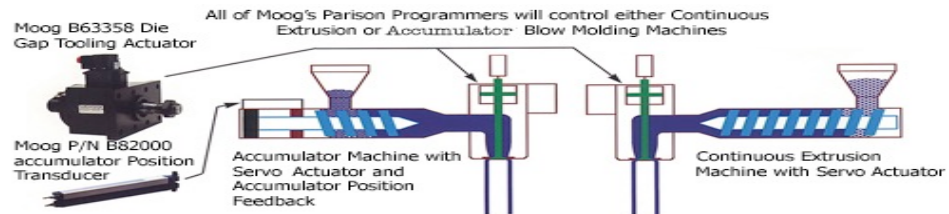
## Machine & accessory



Basic Machine



Moog systems



Mold



Chiller



Hopper loader



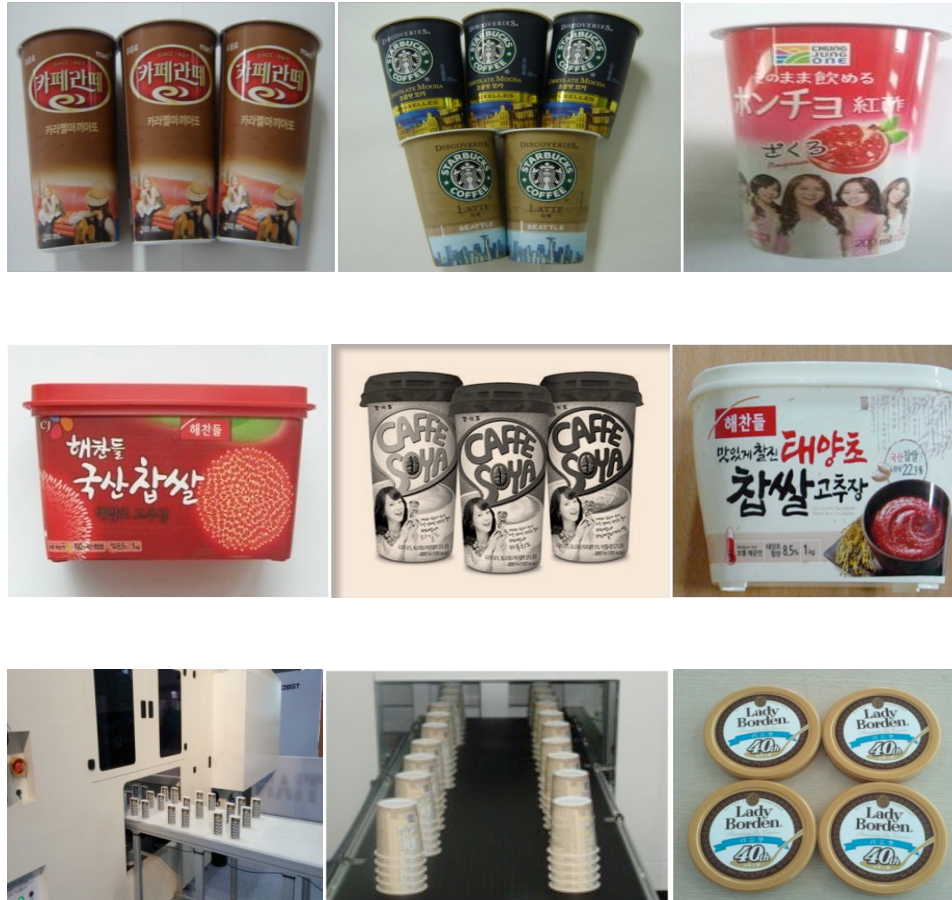
Crusher . Leaker tester



# ☐ Samples for reference “ IML Products “

## IML Products and Molds

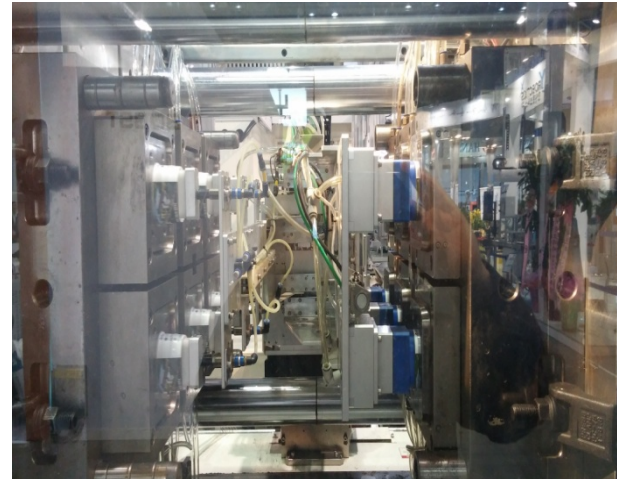
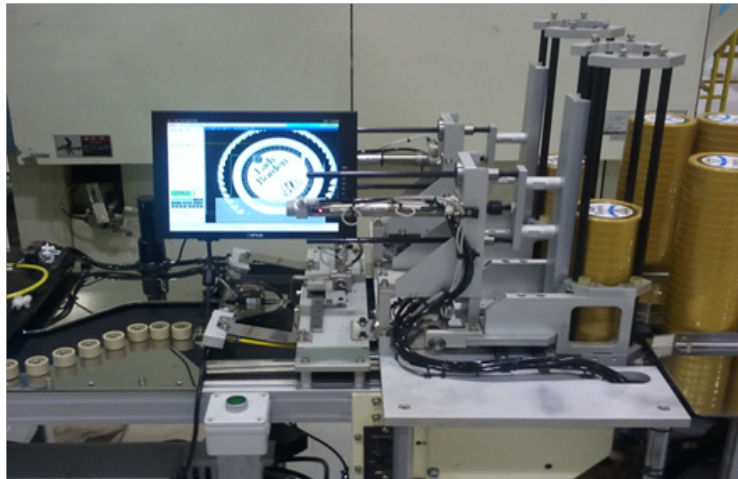
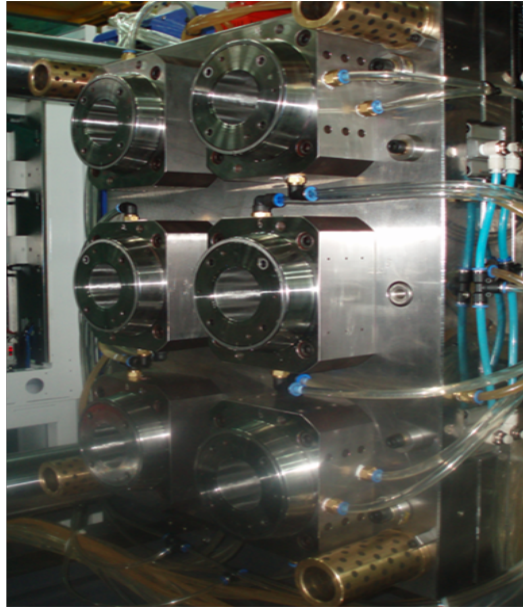
2015. Jan



Wall thickness : 0.4mm + 0.05mm film  
Jaewoo Corporation Mold Div. Korea



## □ *Samples for reference “IML Molds”*





## ❑ ***CNC machining tooling***





# Daewon Writing Instruments





# Writing Instrument Mold part





Daewon and Jaewoo Corp has worked together since last 5 years for promoting the all kinds of writing Instrument Molds .

Daewon has special knowhow and technology to build writing instrument Molds since last 15 for exporting the Molds.

Daewon has competitiveness facilities and good design center capability due to export of the Molds.



## □ ***Our Strength***

- . Develop a critical design & Molds, under 20 years heavy Experiences and Technology/Know**
- . Latest R&D Design capability, Facilities and Skilled Engineers.**
- . Competitiveness Price, Quality and Delivery.**
- . Latest Machining program and Test equipment .**



# ***Design Capabilities***

## 1. 3D CAD (Design S/W)

- . PRO-E
- . CATIA
- . UNI GRAPHICS

## 2. 2D AUTO CAD

## 3. 2D CADKEY

## 4. CAM S/W

- . CATIA
- . CAMTOOL
- . WORK NC
- . NCG (MS)

## 5. CAE S/W

- . Mold Flow
- . I-DEAS

## 6. DNC NC Brain



# Key Facility for manufacturing

No	Description	Maker/Origin	Q'ty	Remarks
1	CNC Machinning Center	DooSanmte / Korea	2	1800x700(10,000rpm)
2	CNC Machinning Center	DooSanmte / Korea	3	1600x600(6,000rpm)
3	CNC Machinning Center	DooSanmte / Korea	2	1000x500(20,000rpm)
4	Complex Milling machine	Micron/Swiss	2	1000x800(24,000rpm)
5	CNC Milling machine	Hwacheon / Korea	2	1050x650x650
6	Lathe	DooSanmte / Korea	4	Φ360
7	CNC Lathe	Hwacheon / Korea	3	
8	Radial Drilling machine	DooSanmte / Korea	2	2300X880
9	Grinding machine	YGS-52B / Korea	2	450x200
10	Grinding machine	KHG-450R / Korea	2	450x200
11	Milling machine	Hwacheon / Korea	4	300x1100
12	EDM machine	Creator / Korea	4	400x700
13	CNC EDM machine	Yooil / Korea	2	2000x1000x1000
14				
15				



## Key Facility for Inspection/ Test

No	Description	Spec	Q'ty	Maker
1	3D Coordinate Measurement M/C	500x400x400	2	MITUTOYO
2	Profile Projector	PJ-A3000	2	MITUTOYO
3	Digital suction Meter	50kgf	4	
4	Block Gauge	103	2	MITUTOYO
5	O/D Micro Meter	75 ~ 100	1	MITUTOYO
6	Digital V/C	0 ~ 600mm	2	MITUTOYO
7	Pin Gauge	Q2.5 ~Q3.0	2	
8	Digital V/C	0 ~300mm	1	MITUTOYO
9	Digital V/C	0 ~600mm	2	MITUTOYO
10	Digital Indicator	0 ~50mm	1	MITUTOYO
11	O/D Micro Meter	0~25,25~50,50~75mm	3	MITUTOYO
12	Dial Height Gauge	0 ~600m	2	MITUTOYO
13	Dial Height Gauge	0 ~300m	2	MITUTOYO
14	Torque Tester	60kgf	2	



# Tool Room in Korea for Luxor India

## Tool Room in Korea : why ?

- . How many Molds buy from Tool makers ?  
if you have Tool Room then how much  
you can save the cost and amount ?
- . CEFA Agreement : No Duty at all
- . Half processed Molds and ship to India
- . Also Make complete Molds in Korea
- . Saving lots of Cost – to be breakdown ?
- . High Quality Molds and products
- . On time delivery and on time marketing
- . Set up Tool room in India which will  
show advancing competitiveness .



# Major Customers

Luxor India  
PABERIC Russia

L'ORÉAL		MONSANTO 	Johnson+Johnson
Nestlé			KOMAX
Ranbaxy CIPLA		Cope Allman Jaycare 	
Silveoak Olifilme	SSF PLASTICS India Private Limited 		NAM YANG 
MPACT Mondi Cap			PARIS BAGUETTE 
NatPack	syngenta 	Johnson A FAMILY COMPANY UNE ENTREPRISE FAMILIALE 	WEENER 
			AVON the company for women 

P & G

Trico Brown

Pelikan Mexico

Gromin

Delfin



# Thanks

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