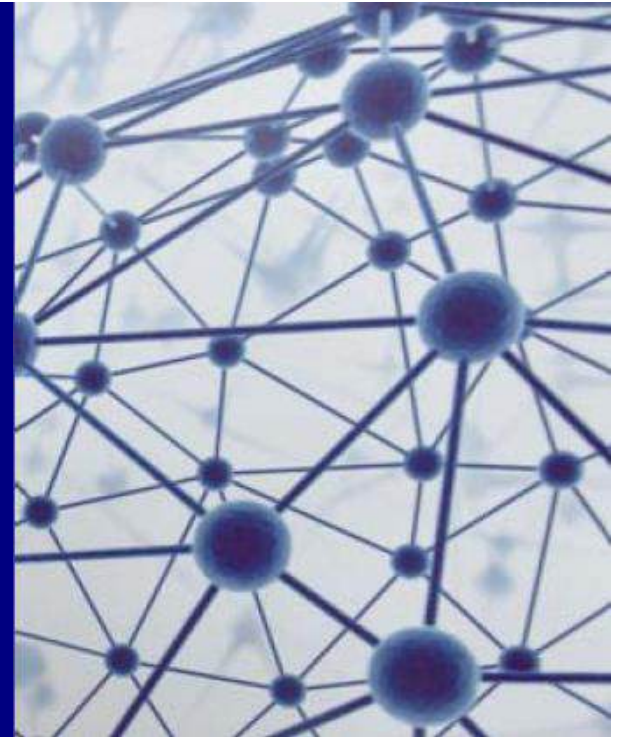


Guangzhou Seal Mould Plastic Co., Ltd.

SEAL Mould Plastic

- Company Show
- Mold Design(DFM & Mold Flow Analysis)
- Equipments & Workshops
- Quality Management System
- Products & Successful Cases
- International Communication



MOULD DESIGN

MOULD MAKING

INJECTION MOULDING

Company Show

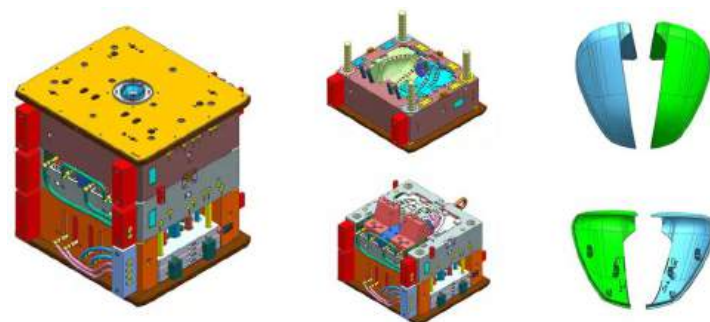


- ◆ *Established in year 2012*
- ◆ *Professional technicians: 120*
- ◆ *ISO management system*
- ◆ *Business area: 10,000 square meters*
- ◆ *Imported high-precision and sophisticated processing equipments*

Guangzhou Seal Mould Plastic Co., Ltd belongs to SEAL Group, which has Seal Vacuum Forming Company and Seal Laser Rapid Prototyping Company.



Mold Design

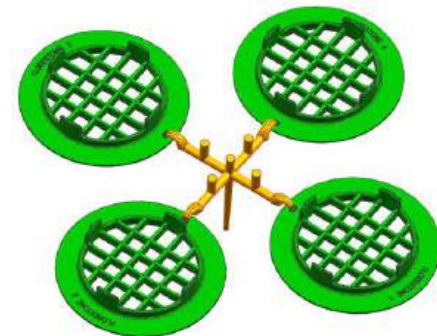


SEAL company has rich-experienced product design and mold design talent team, who adopt the advance mold design and development process, to meet clients' requirements.

DFM Analysis Report

Content

- 1 Basic Information
- 2 Injection Gate
- 3 Cavity Layout
- 4 Product Appearance
- 5 Parting Line
- 6 Thickness Analysis & Suggestion
- 7 Draft Analysis & Suggestion
- 8 Cooling System
- 9 Ejection System
- 10 Engraving Information
- 11 Modification Proposal



No.	Part & Mold Information	
1	Customer Project #	
2	Mould No.	
3	Part Name(NO.)	
4	Part Size(mm)	107.8X107.8X17
5	Part Weight(g)	24.1
6	Part Raw Material	ABS
7	Shrinkage	1.005
8	Core/Cavity Material	718H
9	Cavities	1*4
10	Finish for cavity	SPI-B1
11	Finish for core	SPI-B1
12	Part Color	Black
13	Machine (Ton)	TBD
14	T1 Sample Quantity	10pcs

Mold Flow Analysis

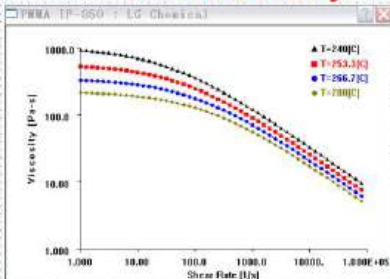
SEAL company has professional mold flow analysis engineers team, to simulate forming process, predict and solve potential defects, like shrinkage, weld lines, air traps, deformation, etc in advance.

Plastic Material Information

General:

Thermoplastic material		
Mechanical Properties	Shrinkage	Th
Description	Recommended Processing	
Family name	ACRYLICS (PMA)	
Trade name	PMA IP-050	
Manufacturer	LG Chemical	
Family abbreviation	PMA	
Material structure	Amyrphous	
Data source	Other - PVT-Supplemental	
Date last modified	MDG-10-2005	
Date tested		
Data status	Non-Confidential	
Material ID	636	
Grade code	CN0835	
Supplier code	LGCPDM	
Fiber/fillers	Unfilled	

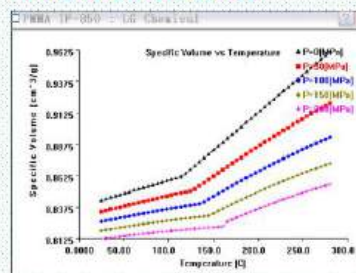
Plot Viscosity



Recommended Processing:

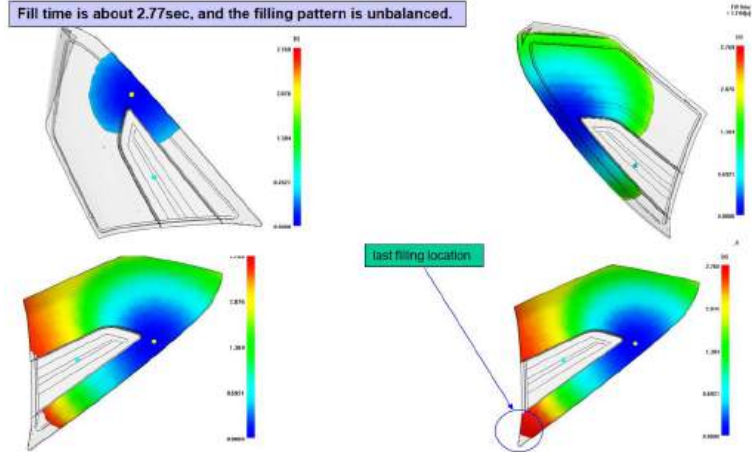
Thermoplastic material		
Mechanical Properties	Shrinkage	Th
Description	Recommended Processing	Unit
Mold surface temperature	50	C
Mold temperature	250	C
Mold temperature range (recommended)		
Minimum	25	C
Maximum	200	C
Mold temperature range (recommended)		
Minimum	240	C
Maximum	280	C
Absolute maximum melt temperatu	320	C
Ejection temperature	85	C
		Unit
Maximum shear stress	0.41	MPa
Maximum shear rate	21000	1/s

Plot PVT data



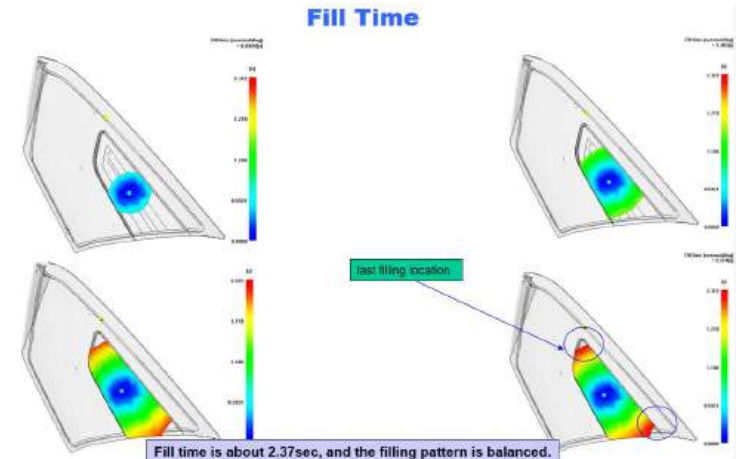
Fill Time

Fill time is about 2.77sec, and the filling pattern is unbalanced.



Fill Time

Fill time is about 2.37sec, and the filling pattern is balanced.



In-House Equipments



Makino Precision CNC Machines



High Speed CNC Machines



Gantry CNC Machine



Deep Hole Drilling Machine



Double Head Spark Machine EDM



Sodick Mirror Spark Machine EDM



Seibu Wire EDM



5-Axis CNC Machine

Main Precision Processing Machines : Makino, Sodick, Seibu, Fanuc

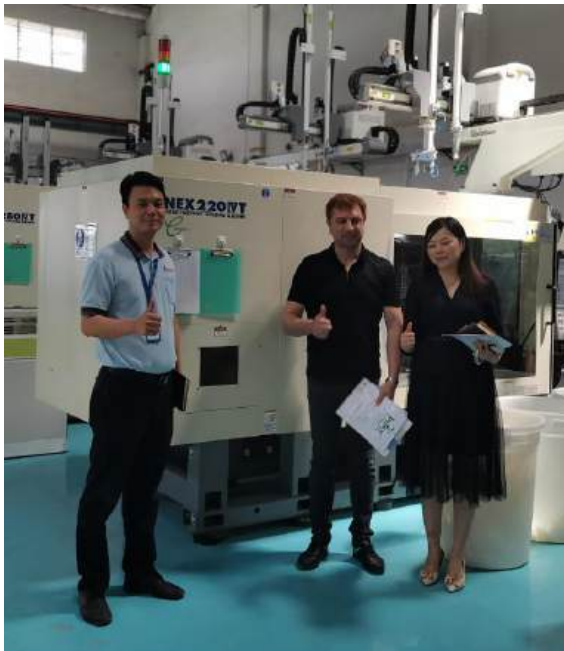
Seal Mould has complete sets of imported mould production equipments. All the workflow can be finished within our factory, which provides reliable guarantee for customers' delivery time.

Mold Assembly Workshop



Mold Clamping Machine

Injection Moulding Workshop



NISSEI all-electric Injection Molding Machines in-house

Surface Finish Workshop



Painting



Screen Printing



Pad Printing



Plating

Quality Management System



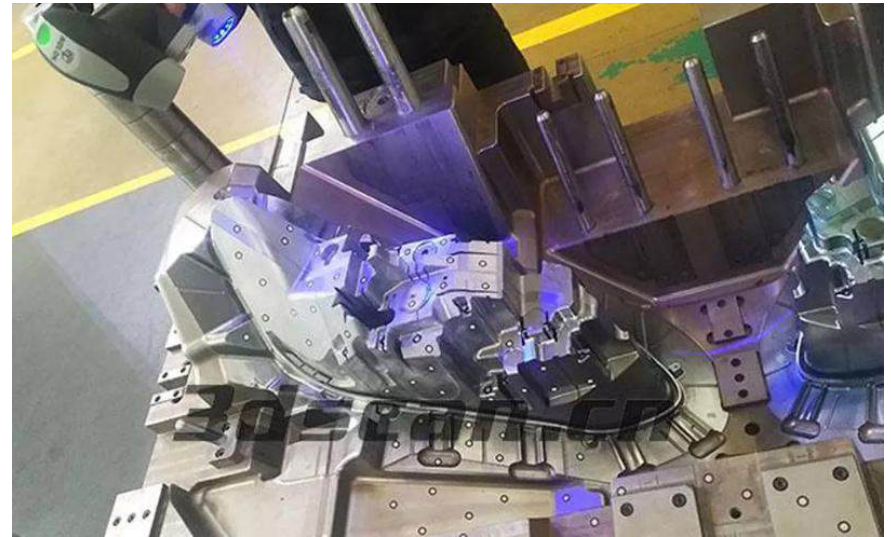
SEAL imported Sweden Hexagon CMM equipment, which ensures the product sizes are fully in accord with 3D data.

**measure dimension:
2100mmX1000mmX800mm**

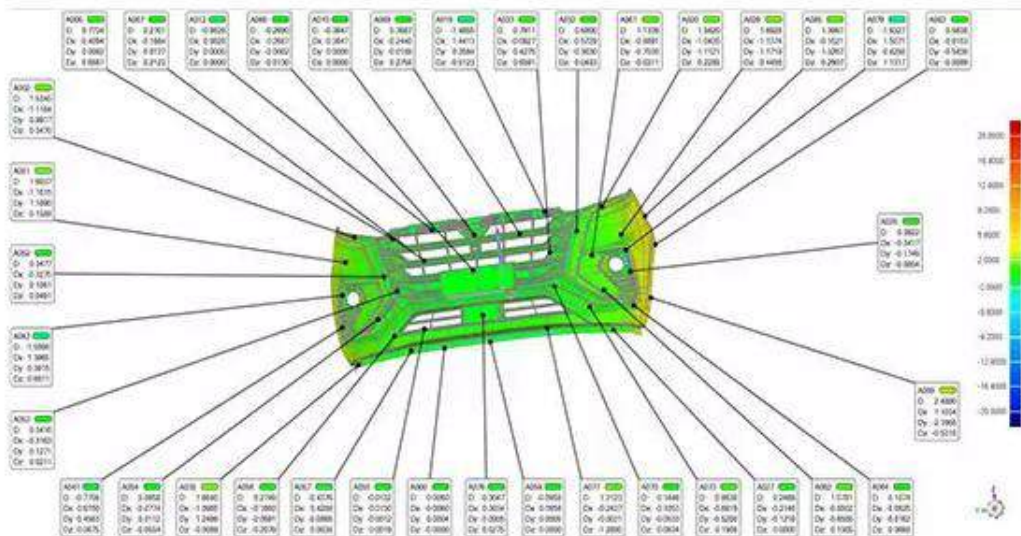


Quality is Seal's life!

Seal also imported CREAMFORM Handheld 3D Scanner from Canada, and allocated perfect QC system to ensure top quality of every product.



Canada CREAMFORM Handheld 3D Scanner



Company Honor & IATF16949 Certificate



Certificate of Registration

This certificate has been awarded to

Guangzhou Seal Mould Plastic Co., Ltd.

Floor 1 of Building A, B03-B06 of Building B, C01 of Building C, No.238, Liangtian North Road, Baiyun District, Guangzhou City, Guangdong Province, China

In recognition of the organization's Quality Management System which complies with

IATF 16949:2016

The scope of activities covered by this certificate is defined below:

Please refer to the Appendix

Certificate Number 122626/A/0001/SM/en			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
22 October 2022	1	23 October 2025	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
22 October 2022	0	22 October 2022	0460816

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



On behalf of the Schemes Manager

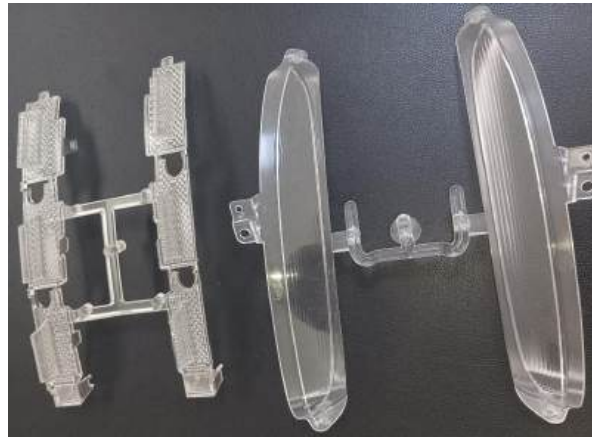
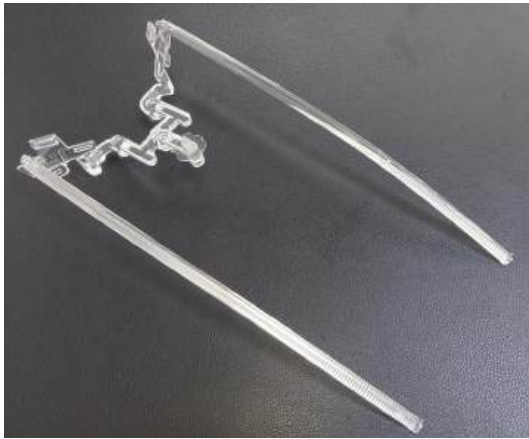


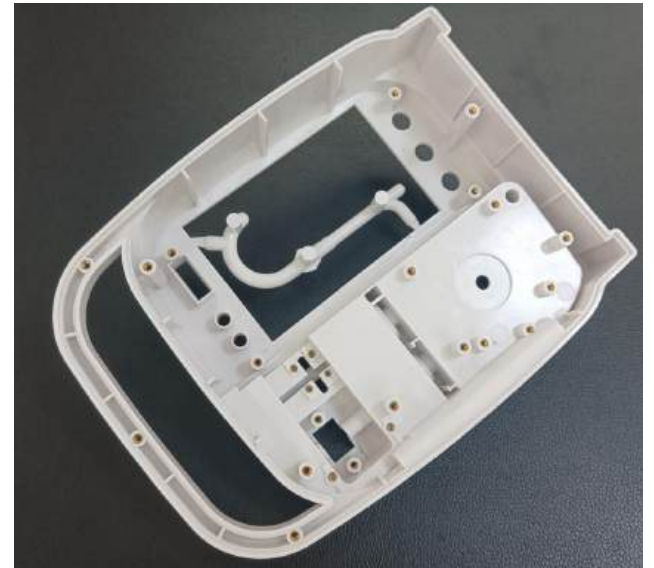
Products & Successful Cases

Material selection: ABS, PP, PC, ASA, AES, PC+ABS, PMMA, PE, POM, PA6, PA66+GF, PP+GF, TPE/TPU and so on.....



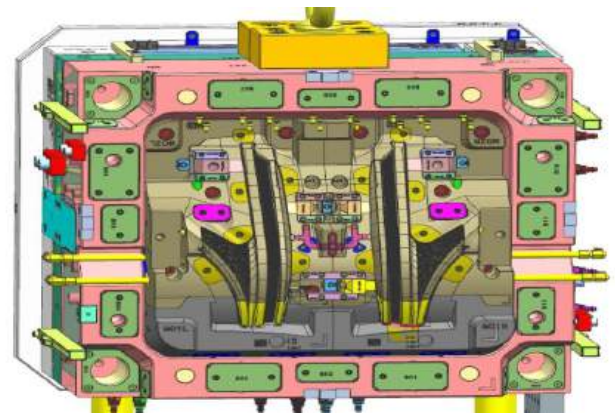
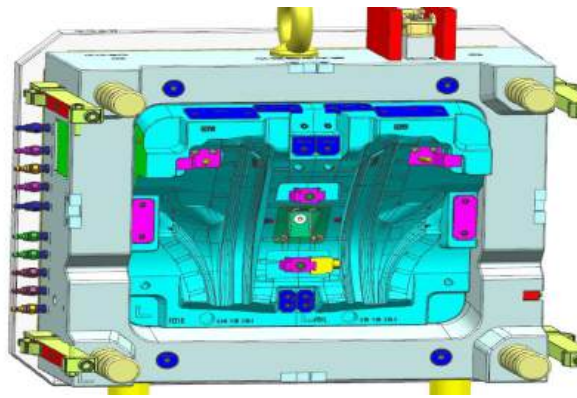






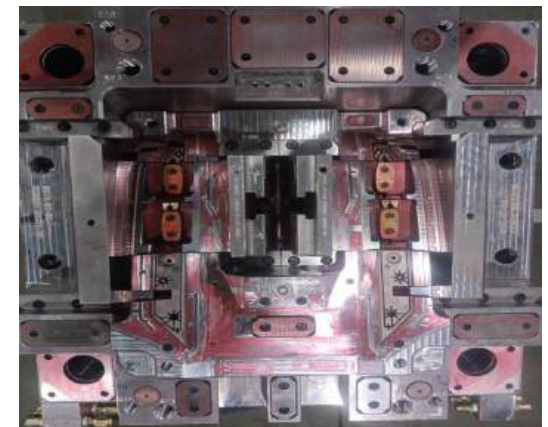
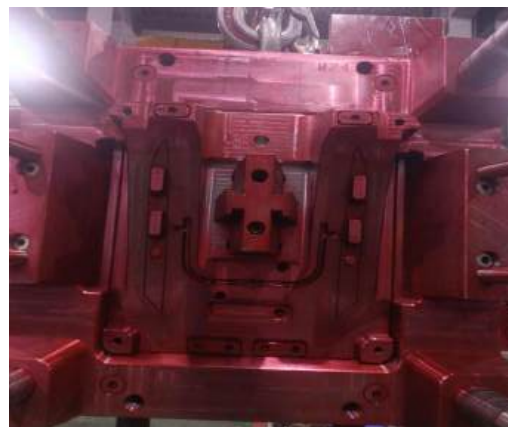
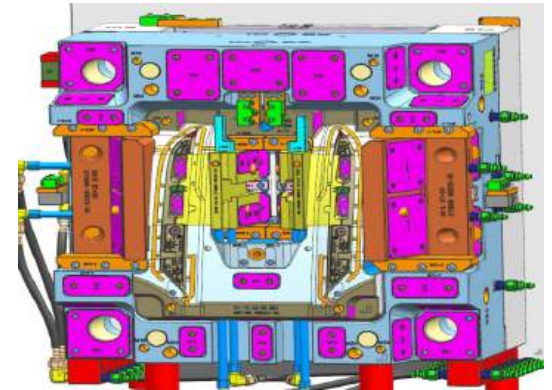
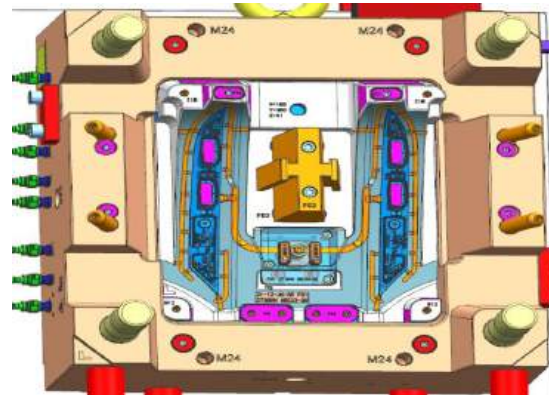
Successful Case-1#

Rear Lamp Lens: red transparent with textures



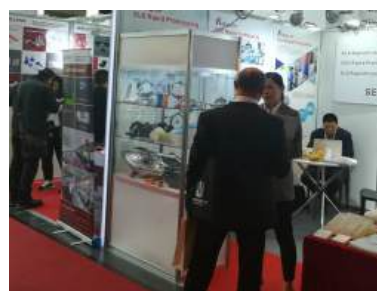
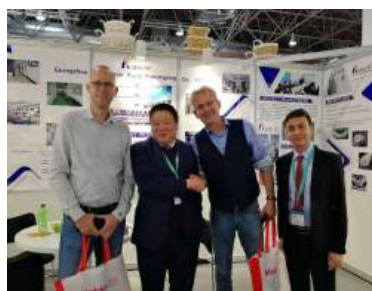
Successful Case-2#

Fog Lamp Housing



International Communication

Through deep international communication and cooperation, Seal has established a widely long-term partnership with customers from America, Japan and Europe, etc.



Welcome to visit us!

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Mobile/Skype/Wechat: +86-13826140059

E-Mail: sales@seal-mould.com

Website: www.seal-mould.cn;www.seal-mould.com/en/

Guangzhou Seal Mould Plastic Co., Ltd.

Company Address: No. 238 North Road, Liangtian Industrial Park, Zhongluotan Town, Baiyun District, Guangzhou 510545, China

It will take about 30 mins from
Guangzhou Baiyun International
Airport to our factory by Car.



Thank you!

