

Customer's value maximization

SAMYOUNG MOLD TECH



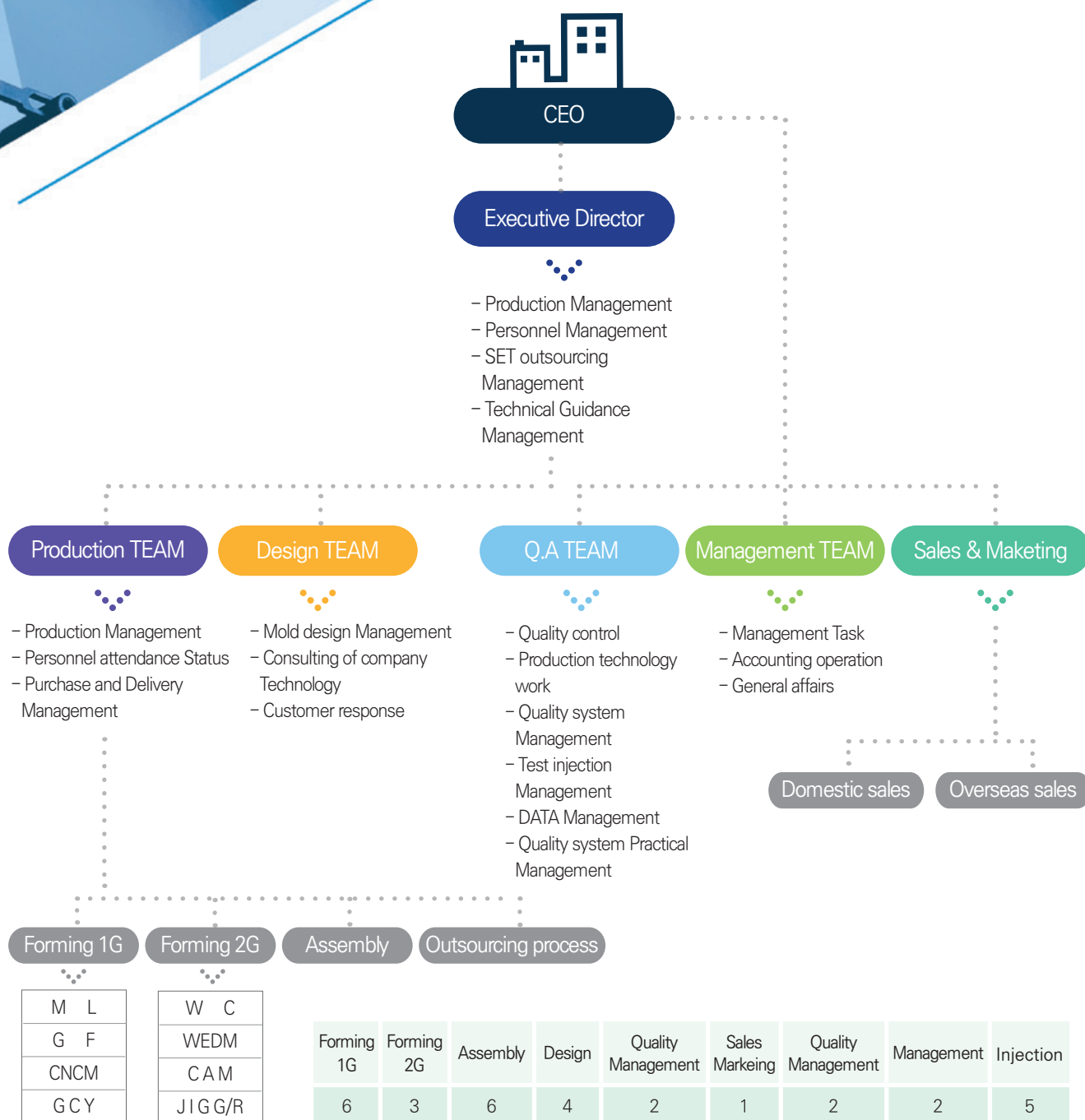
SAMYOUNG MOLD TECH CO., LTD.



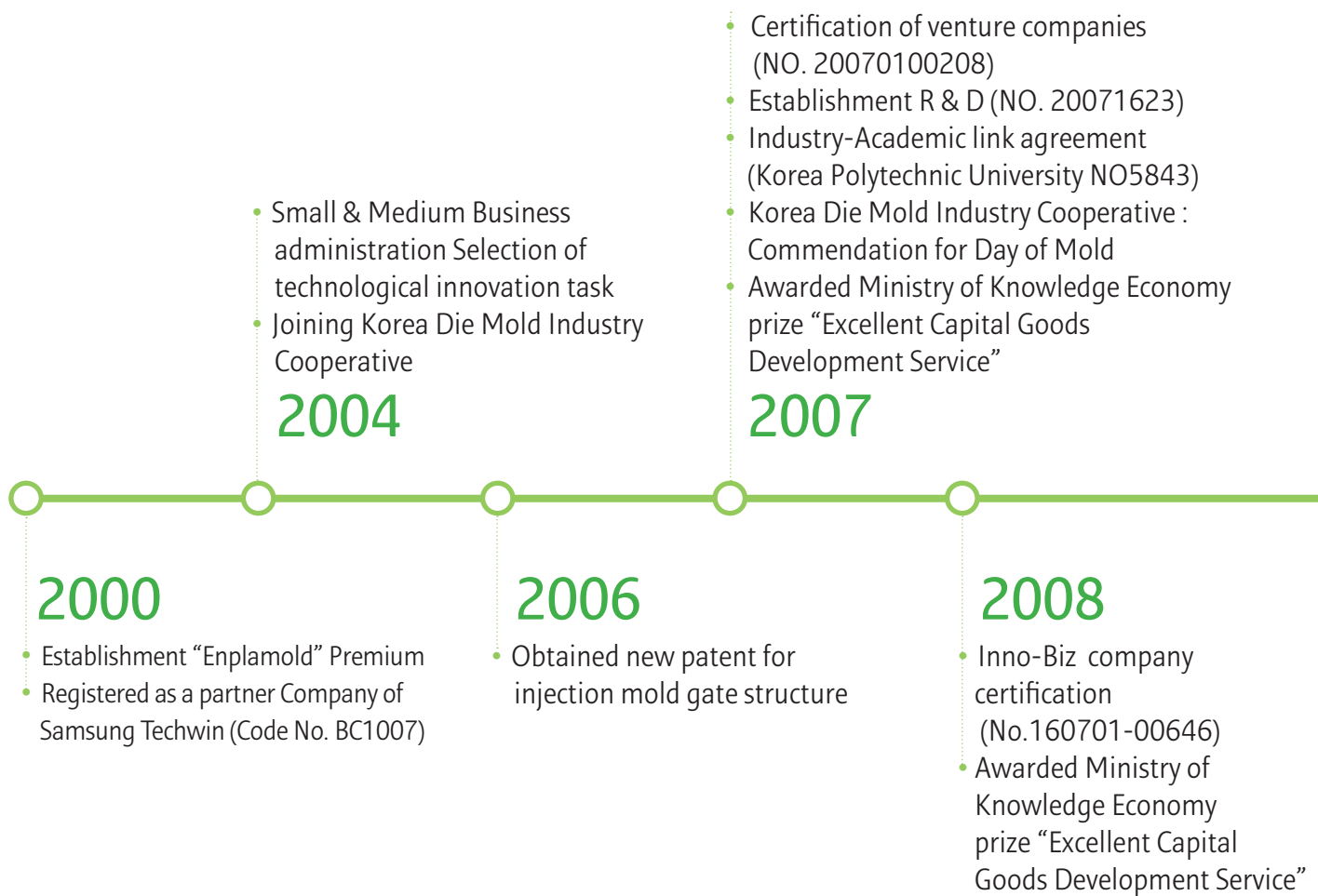
Sam Young Mold Tech Co.,Ltd

- **CEO** : Jeon Hyong, Kyu
- **Establishment** : March 30, 2000
- **Members** : 35
- **Capital** : U\$300,000
- **Location** : 43-7, Gajaeul-ro, Seo-gu, Incheon, Korea
- **Business Fields** : High precision mold, injection molding, assembly.

Organization Chart (2021)



History



- Establishment Injection molding department (Enpla Mold Co.,Ltd)
- Certification of ISO 9001:2008

2015

- Certification of Root enterprise (Incheon city)
- Certification of IFTF 16949

2018

- Selected as a promising small and medium export company in Incheon

2018

2016

- Certified as Incheon University Family Company
- Certification of TS 16949

2019

- Designated as root technology company (Molding technology for optical materials- No. 90702-0081)
- Ministry of Commerce Industry and Energy : Selected as companies specialized in parts and materials
- Selected as a promising small and medium export company in Incheon

Items

Items

Optical parts

Bearing

Automotive parts

Others (Export)

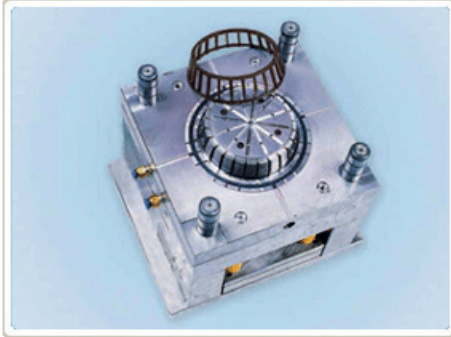
Optical parts

Bearing

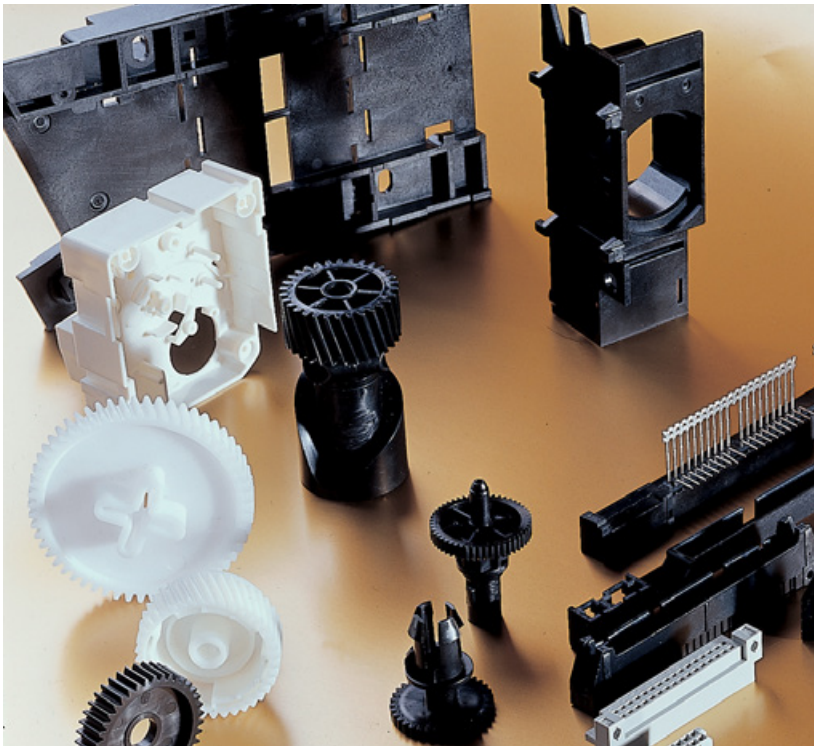
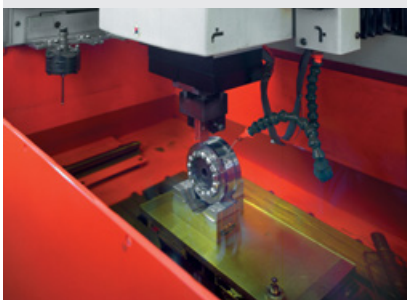
Automotive parts

Others (Export)

High Precision Mold, Art processing equipments



- Mold process / Designated as the world' first class product
(Ministry of Commerce, Industry and Energy)
 - Plastic cage mold for bearings
- Ultra-precision optical tube parts
(Camera barrel, gears, bearing cages, automotive parts)



Mold equipment list

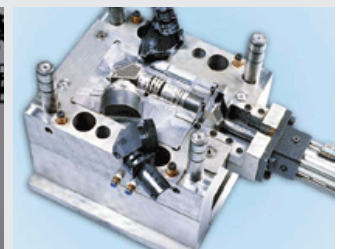
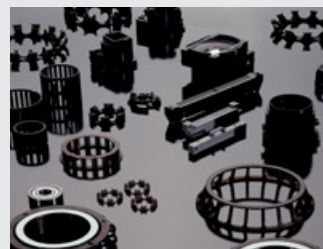
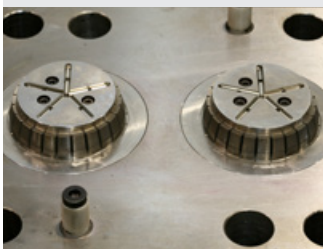
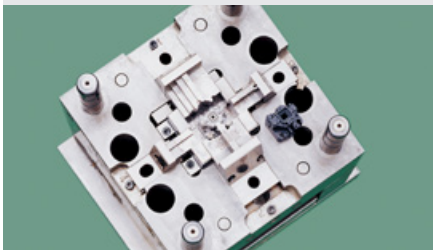
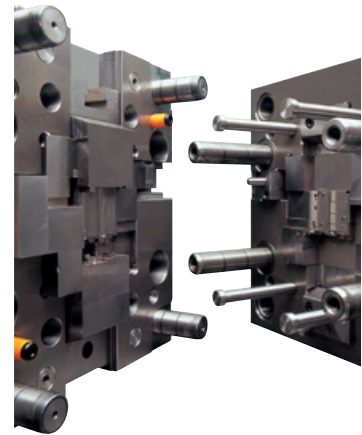
NO	Equipment	Quantity	Brand	Note
1	WIRE CUTTING M/C	2	CHARMILLES (SWISS)	
2	CNC EDM M/C	3	CHARMILLES (SWISS)	
3	CNC HIGH SPEED MILLING M/C	2	Makino(JAPAN) / EXRON (GERMANY)	
4	CNC CYLINDER GRINDING M/C	1	Studer (SWISS)	
5	CNC TOOLING SYSTEM M/C	1	Niken (JAPAN)	
6	MACHINING CENTER M/C	1	DOMESTIC (HWACHEON)	
7	MACHINING CENTER M/C	3	DOMESTIC (HYUNDAI)	
8	JIG GRINDING M/C	1	MITSUI SEIKI (JAPAN)	
9	MILLING M/C	2	DOMESTIC	
10	LATHE M/C	1	DOMESTIC	
11	GRINDING M/C	2	DOMESTIC	
12	GRINDING M/C	1	TSUNODA (JAPAN)	
13	POWER MILL	1	DELCAM (USA)	CAM
14	UG-NX 7.5	5	SIEMENS (GERMANY)	DWG/Design
15	AUTO CAD	8	AUTO DESK (USA)	"
16	BAND SAWING	1	DOMESTIC	
17	SUPER DRILL M/C	1	DOMESTIC	

Measuring Equipment list

NO	Equipment	Quantity	Brand	Note
1	3DC MEASURING MACHINE	1	MICRO-VU (USA)	
2	CONTACT MEASURING MACHINE	1	HEXAGON (CHINA)	
3	AUTO COLLIMATOR	1	PEAL (USA)	
4	PIN GAUGE	2	VERMONT (USA)	
5	GEAR ROLLING TESTER	1	OSAKA SEIMITSU (JAPAN)	
6	POWER FUL MICROSCOPE	10	USA, GERMANY, JAPAN	
7	TORQUE GAUGE	6	THONICHI (JAPAN)	

In-house Mold Process

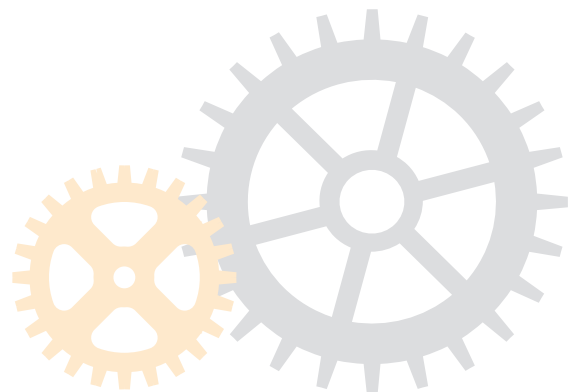
- Ultra-precision optical tube & lens, holder parts using ultra precision mold technology
- Intellectual property rights, Gear (Worm, Spur, Helical), patent for screw mold
- Qualified art processing as plastic cage & ultra-precision optical tube parts
- Set up CAD/CAM System & 3D Design System



W/EDM



- CAD/CAM Design, EDM, W/C
- All Process ► In House



MOLDING



Mold equipment list

NO	Equipment	Quantity	Brand	Note
1	INJECTION MOLDING M/C (55Ton)	3	NISSEI (JAPAN)	
2	INJECTION MOLDING M/C (85Ton)	2	NISSEI (JAPAN)	
3	INJECTION MOLDING M/C (90Ton)	1	DOMESTIC	
4	INJECTION MOLDING M/C (110Ton)	2	DOMESTIC	
5	INJECTION MOLDING M/C (140Ton)	1	JSW (JAPAN)	
6	INJECTION MOLDING M/C (180Ton)	2	JSW (JAPAN)	
7	INJECTION MOLDING M/C (180Ton)	1	NISSEI(JAPAN)	

Why Samyoung

/Sales & marketing capability

Customer's needs & Demand

Mold, injection, assembly system construction



- With many years of manufacturing technology and design experience, providing technical information
- Strengthening customer partnership
 - Globalized Production system
- Production, Quality, Introduction of productivity Management
 - Strict inspection, process management for whole process included mold, injection, assembly, maintaining a thorough cooperative relationship, managing outsourcing competitiveness such as production cost.
- High precision, mold base technical operation knowhow (Mold & injection combination for new family modeling)
- Direct technical & quality response
- Core patents for the related high precision molds
- Organized Mold, injection, assembly system by all in one process.

Non Stop Process



1. Customer



2. Mold DWG 2D 3D / Design



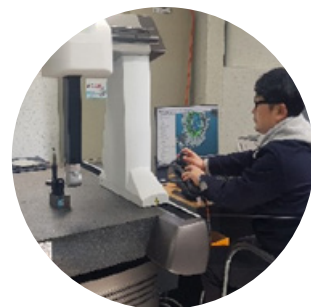
3. Mold Process



4. Mold Assembly



5. Initial test / injection



6. Measuring center



7. Approval / Production



8. Outgoing Inspection



9. Packing



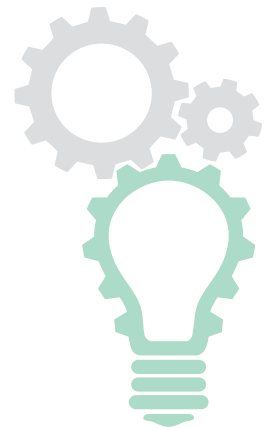
10. Shipment



Measuring Center

- 13 steps for Strict quality control

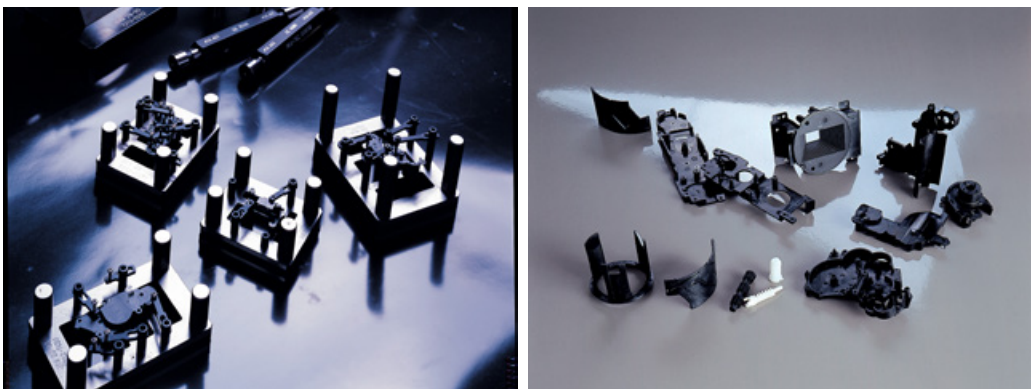
NO	Category	Process
1	DWG Design	Customer's confirmed DWG TFT Team /Technical Team
2		Mold specifications (Approval)
3	Process Inspection	Base, Core, materials inspection (Incoming quality control)
4		Milling (ML)
5		NC process (CNCM)
6		Heat treatment (HT)
7		Grinding (GF)
8		CAM /CAD, CNC process
9		Jig grinding (JG)
10		EDM + W/C (WEDM)
11		Injection process (H/W)
12	Shipments	OQC (Outgoing Quality Control)
13		Packing



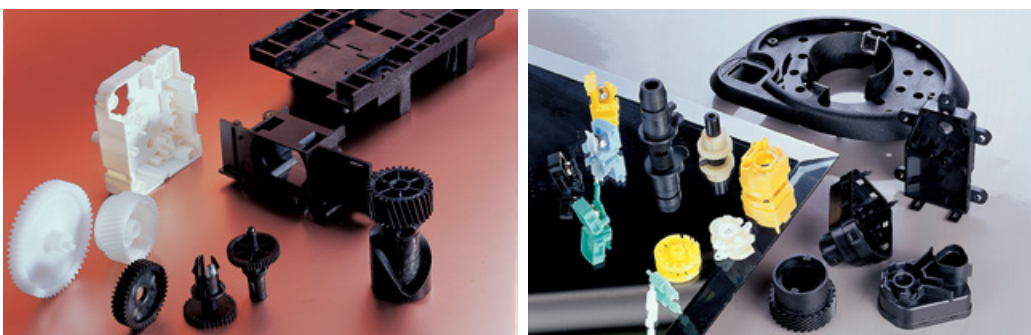
Plastic cage for bearings using engineering plastic mold production technology

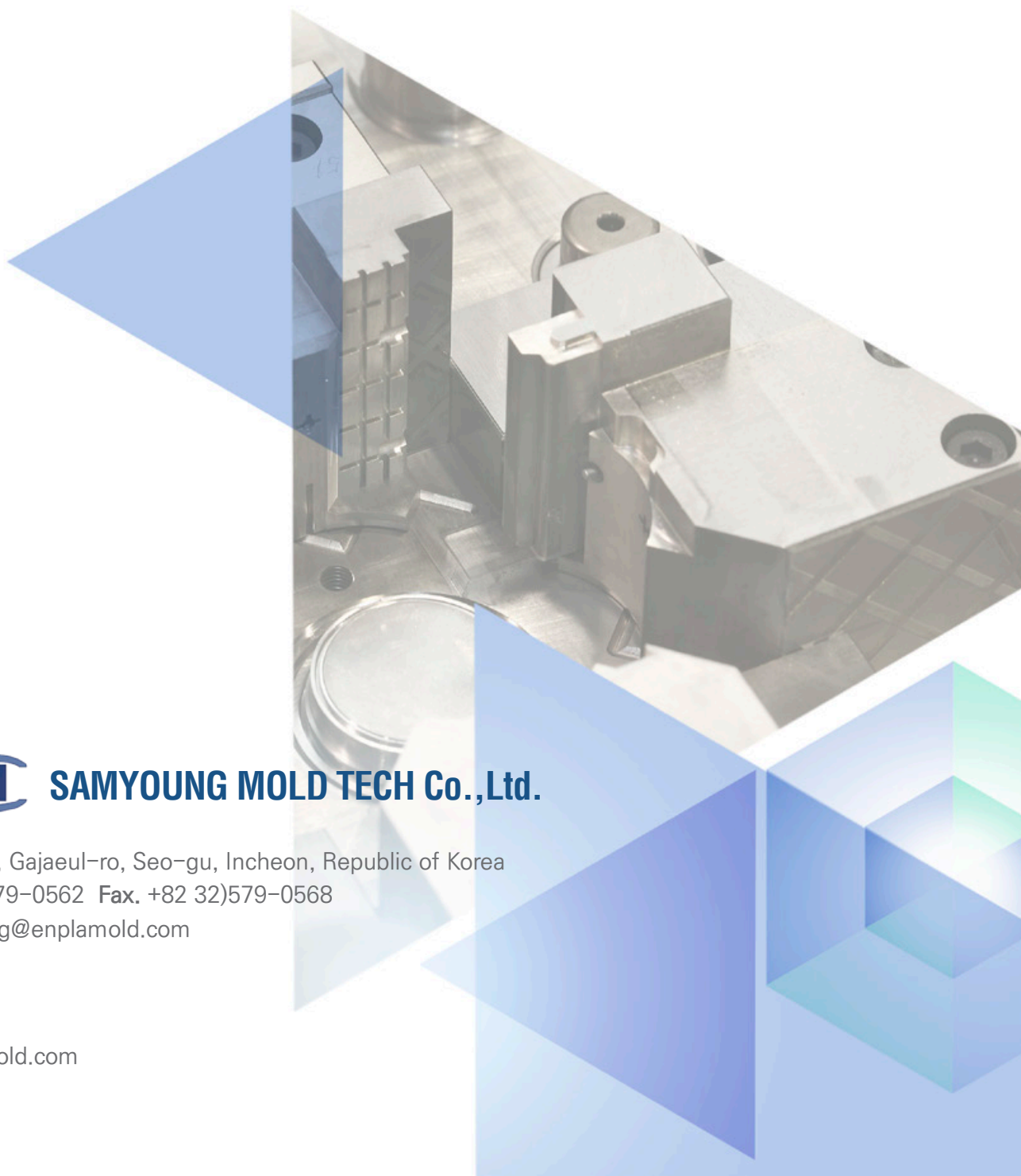


Ultra-precision optical tube parts using ultra precision mold production technology



Gear(worm, spur, helical), automobile parts using engineering plastic mold production technology





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