

JINHUNG Corporation, Korea

Global Business Partner

for Automobile Industry

- Plastic Injection parts for Automobile interior and exterior
- Engine Parts
- Robot / Aero generator Parts



JIN HUNG INDUSTRIAL CO.,LTD

[HEAD OFFICE] 29, Maegoksaneop 1-gil, Buk-gu, Ulsan, Korea
[YEONAM PLANT] 248, Module-hwa saneop-ro, Buk-gu, Ulsan, Korea
[R&D CENTER] 29, Maegoksaneop 1-gil, Buk-gu, Ulsan, Korea

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Web site



PR Video





Jin Hung Ind. Is a leading company in automobile parts industry with cutting edge technology and its potential to dedicate and satisfy its clients and a globalized company by advanced and human centered management system. It continuously seeks the way to develop sustainable technology and superior quality.

Ulsan Maegok Plant

- Mold Division
- Plastic Injection Division
- Part Division
- Management Division
- R & D Center



Ulsan Yeonam Plant

- Die casting Division
- Gravity Division
- Overseas sales team

History

- 1985.01 Started business as Gyeong Nam Metal.1989.05 Registered Hyundai Motors Cooperator.
- 1995.05 Changed Company name to Jin Hung Ind.
- 1996.01 Constructed Gyeong Ju Plant.
- 1998.02 Korean First "HP-S Rim" adoption
- 2001.12 Obtained QS-9000/ISO9002 Certification.
- 2006.09 Constructed Ulsan Plant.
- 2007.10 Obtained ISO/TS16949:2002 (Ulsan).
- 2007.11 Obtained ISO/TS16949:2002 (Gyeong Ju).
- 2008.04 Obtained Hyundai/Kia SQ(Supplier Quality) Certification.
- 2009.04 Nominated INNO-BIZ Company
- 2009.07 Obtained Automobile Interior Patents.
- 2010.12 Became Export-oriented business.
- 2013.03 Established R&D Center.
- 2013.11 Constructed Ulsan Yeonam Plant.
- 2014.05 Extended Ulsan Maegok plant.
- 2017.03 Nominated global small giant Company.

Global Business Partner
for Automobile Industry



04 | 05

JINHUNG INDUSTRIAL

Global Business Partner for Automobile Industry
www.jhind.kr

Leaping to the world best automotive component supplier.

Global Jinhung Corp.

Products

- **Company specializagion**

- **Product Information**

1. Plastic Injection parts for Automobile interior and exterior
2. Engine Parts (Gravity casting)
3. Engine Parts (High pressure Die casting) & Machining Shop
4. Robot / Aero generator Parts (Sand casting)

Company specializagion (ZAS/RIM)

ZAS (Zinc Alloy Steel)

The tooling material is Zinc alloy instead of steel. It has the following characteristics

- Easy for casting due to its low meting temperature and good fluidity
- Easy to machining and ED
- Superior mechanical property, hardness, strength, etc.
- Easier for design change due to good weldability
- Pre-built cooling lines into casting (less machining work)
- Environment-friendly recyclable material for cost reduction

ZAS Material Composition

AL: 3.9 ~ 4.3%, **CU:** 2.85 ~ 3.35%, **FE:** 0.075% or less, **Mg:** 0.03 ~ 0.06%
SN: 0.002% or less, **Pb:** 0.003 or less, **Cd:** 0.001 or less, **Zn:** 93 %

We are doing one-stop-process that is good for developing prototype car is available for ZAS casting & mold production, from manufacturing to produce injection molding products.

Step 01 - Mold Design

Step 02 - Pattern

Step 03 - ZAS melting

Step 04 - Casting

Step 05 - Machining

Step 06 - Mold Polishing

Step 07 - Mold assembly

Step 08 - Plastic Injection

Step 09 - Inspection

Step 10 - Assembly of products

RIM(Reaction Injection Molding)

- Two types of materials with low molecular amount, low viscosity and highly reactive nature are used.
- These materials are injected into the tooling and instantly react each other to form high molecule resin part.

Compared to Injection Molding, RIM has the following characteristics

Formed in relatively low temperature
(material temp: 20~50°C, tooling temp: 40~80°C)

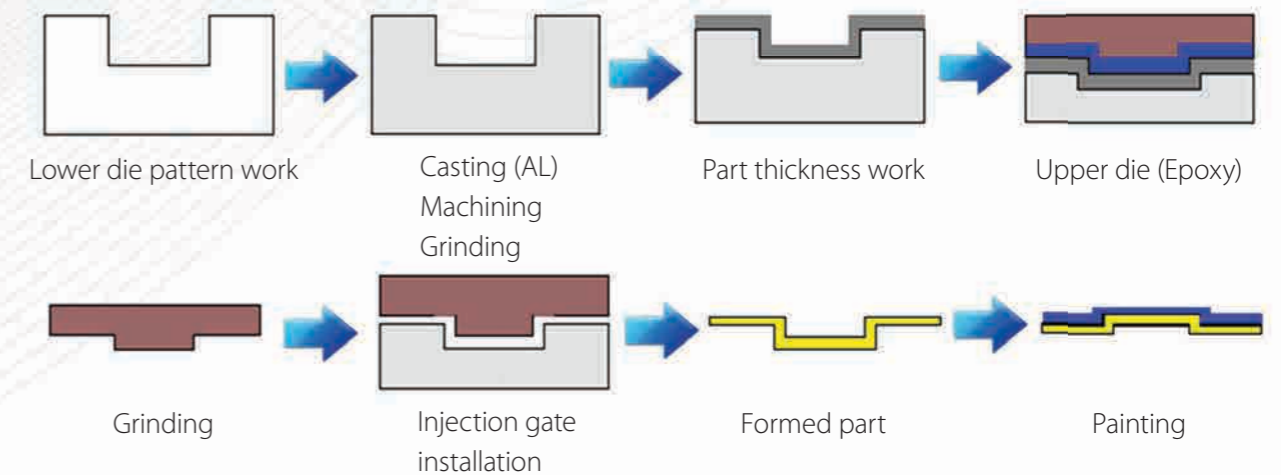
Tooling inside pressure: 3~5 Kg/cm2 (IM: 250~300)

Due to the low viscosity, the material flow is good in the tooling so, easier to make large complicated parts

Less sink mark on boss or rib areas

easy to make thin and complicated part with injected material into the tooling

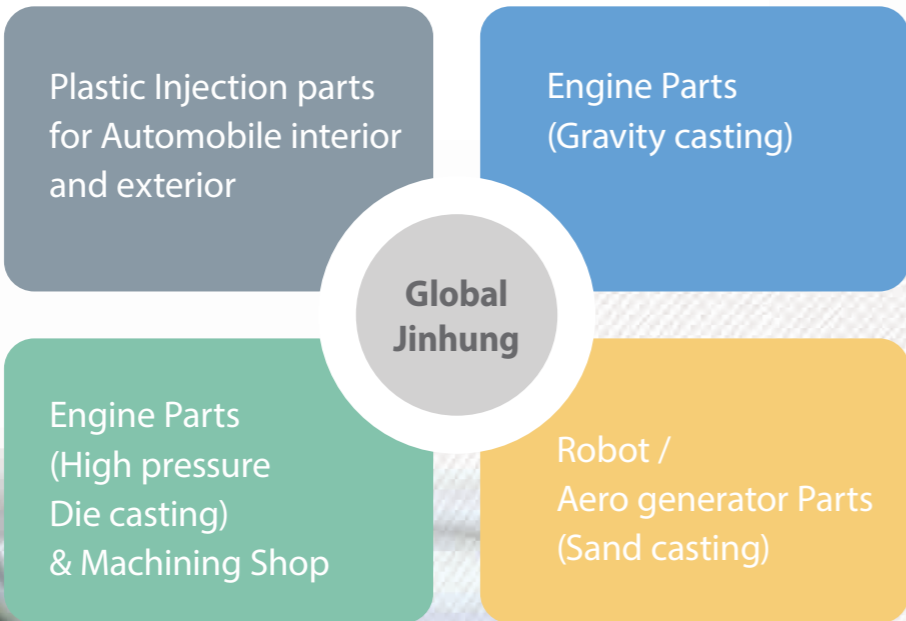
RIM Tooling Process



Product Information

Global Technology Leader & Creator

Jin hung is the leading global marketing as developing preceding technology based on future-oriented and supply new valued product applied strategic technology.



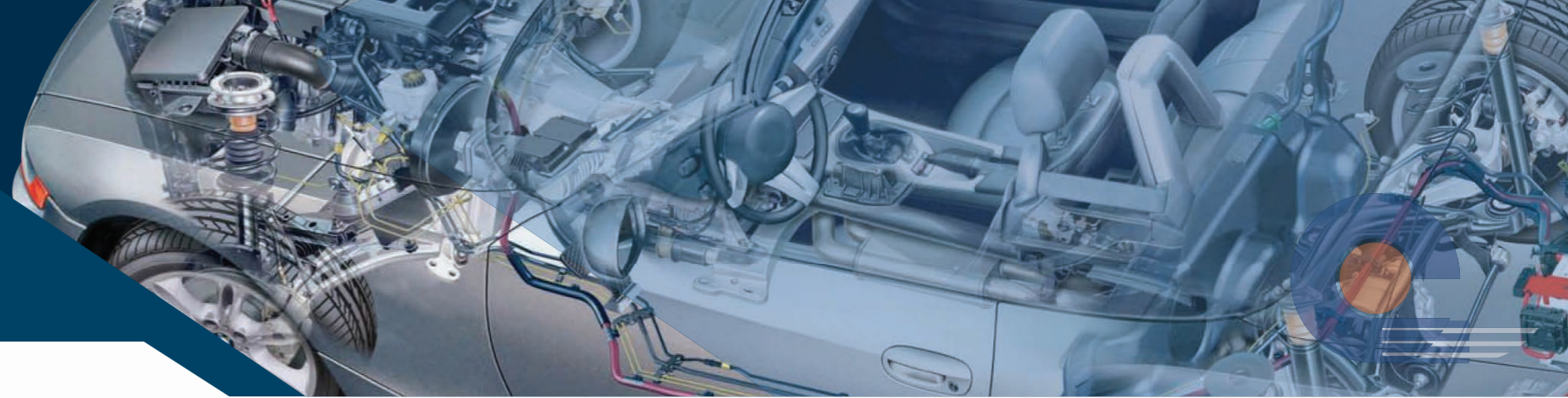
1. Plastic Injection parts for Automobile interior and exterior

We produce optimization plastic injection molding that is applied for prototype & production car and supply high quality product as technical know-how of making interior and exterior plastic injection molding products.

- BUMPER
- R/GRILLE
- CVR-COWL TOP
- PNL-INSTRUMENT
- TRUNK-LID
- LUGG SIDE TRIM
- FLOOR-CONSOLE
- DOOR TRIM



Product Information



2. Engine Parts (Gravity casting)

- Braket-Alternator
- Intake-Manifold
- Housing-EGR
- Engine Braket

PartName Material Weight	Braket-Alternator A356.2-T6 2.64Kg
PartName Material Weight	Intake-Manifold LM-6 /AC3AM 2.8Kg
PartName Material Weight	Engine Braket A356.2-T6 1.82Kg
PartName Material Weight	Housing-EGR LM-6 / AC3AM 1.30Kg

Machining Shop

Engine-Braket Auto-Tensioner High Pressure Regulator

Cover-Oil Pump Throttle Body

Differential Case

Completa Product

3. Engine Parts (High pressure Die casting) & Machining Shop

High pressure Die casting

- Engine Braket
- Auto Tensioner Parts
- Fuel Pipe
- Cover-Oil Pump
- Vaporizer Body
- CNG - Regulator

PartName Material Weight Tonnage	CNG - Regulatr A380 / A383 0.45Kg 350 Ton
PartName Material Weight Tonnage	Engine Braket-2G110 A380 / A383 1.45Kg 650 Ton
PartName Material Weight Tonnage	Engine Braket-2G100 A380 / A383 1.88Kg 800 Ton
PartName Material Weight Tonnage	Vaporizer Body A380 / A383 1.15Kg 650 Ton
PartName Material Weight Tonnage	Auto Tensioner Parts A380 / A383 0.25Kg 350 Ton
PartName Material Weight Tonnage	Fuel Pipe A380 / A383 0.25Kg 350 Ton
PartName Material Weight Tonnage	Cover-Oil Pump A380 / A383 1.45Kg 800 Ton

4. Robot / Aero generator Parts (Sand casting)

- Industrial robot parts
- Aerogenerator Parts

Industrial robot parts

Aerogenerator Parts

Outlet Chamber

Interconnecting Chamber

Global Technology leader & Value Creator
Global Jinhung Corp.



Company profile

- Plant Information & Major Equipments
- R & D Center
- Certificates and Patents
- Main Clients

Plant Information & Major Equipments

Ulsan Maegok Plant (Injection Mold & Injection Division)

Foundation: Jul. 2006
Address: 29, Maegoksaneop 1-gil, Buk-gu, Ulsan, Korea
Site, Building: 6,500m²/ 2,900m²
Products: Plastic Injection Parts, Injection Mould (Auto Parts)
Tel / Fax: +82-52-700-6060 / +82-52-700-6064



Major Equipment

Area	Name	Model	Spec.	Maker	
Machining	NC-21 M/C-5 Axis	FA-3127	3000*1800*1000	Vision Wide	
	NC-25 M/C	DB 250CM	3000*2000*1600	Doosan	
	NC-20 M/C	MCV-A	4000*1800*1200	Okuma	
	NC-12 M/C	SIRIUS-1250	2500*1250*1050	Hwachon	
	NC-12 M/C	SIRIUS-1250	2500*1250*1050	Hwachon	
	NC-12 M/C	SIRIUS-1250	2500*1250*1050	Hwachon	
	NC-08 M/C	ECOMIL 85VHN	2000*850*750	Hwachon	
	Lathe	NARA 4311	480*1300	G.O.M.T	
	Grindign M/C	WSG-2545	200*300*200	Woojin	
	Milling #2	NSM-T	700*250*400	Namsun	
	Radil Drill'g M/C	2500	3400*3760*1320	Okuma	
	Radil Drill'g M/C	JSD1500	1500*600*1000	Chokwang	
	Measuring M/C	3D Measuring		550*430*2230	Para
		3D Laser measuring	ROMER 7535SI Arm		Hexagon
Forming	Injection Molding	DL3000S	3000 Ton	Woojin	
	Injection Molding	DL1300S	1300 Ton	Woojin	
	Injection Molding	APEX280-CM	280 Ton	Daeyoung Hyd	
	Forming			Polyurethane Eng	
Ass'y	RIM Forming			RIM Polymers	
	Die Spoter	KSMP-150	150 Ton	Kukdong	
	Die Spoter	KSMP-100	100 Ton	Kukdong	
Painting	Spray Booth			Daesan	
Transportation	Crane	DH5-0604	5TON	Dhaho	
	Crane	DH15/5-0604	15/5TON	Dhaho	
	Crane	DH2.8-0604	2.8TON	Dhaho	
	Crane	DH2-0604	2TON	Dhaho	
	Crane	DH20/7.5-1005	20/7.5TON	Dhaho	
	Crane	DH30/10-1311	30/10TON	Dhaho	
	Compressor	KSD-50	50HP	Quinchy	

Ulsan Yeonam Plant (Aluminum Diecasting, Gravity Division)

Foundation: Nov. 2013
Address: 248, Module-hwa saneop-ro, Buk-gu, Ulsan, Korea
Site, Building: 9,800m²/ 3,900m²
Products: Auto Tensioner / Brkt / Regulator Gear / Bearing-Hub (Auto Parts)
Tel / Fax: +82-52-912-6060 / +82-52-912-6064



Major Equipment

Area	Name	Model	Spec.	Maker	
CASTING	High pressure DIE CASTING No.1	KDC-800CL	800TON	KSE	
	High pressure DIE CASTING No.2	KDC-800CL	800TON	KSE	
	High pressure DIE CASTING No.3	HP400-HT	400TON	HANARO ENG	
	High pressure DIE CASTING No.4	KDC-350CL	350TON	KSE	
	High pressure DIE CASTING No.5	KDC-650C	650TON	KSE	
	Melting Furnace-2Ports				
	Melting Furnace-2Ports				
	Melting Furnace-2Ports				
	Melting Furnace-1Ports				
	Melting Furnace-1Ports				
	CASTING	Gravity CASTING No.1	Inclined Type	10TON	JINSUNG MACHINE
		Gravity CASTING No.2	Inclined Type	10TON	JINSUNG MACHINE
		Gravity CASTING No.3	Inclined Type	10TON	JINSUNG MACHINE
		Melting Furnace-3Ports			
MANUFACTURE	MCT MACHINE No.1	GMT-420 IIA		KOMATEC	
	MCT MACHINE No.2	GMT-400		KOMATEC	
	MCT MACHINE No.3	GMT-400		KOMATEC	
	MCT MACHINE No.4	GMT-400		KOMATEC	
	MCT MACHINE No.5	GMT-400		KOMATEC	
SHOT	APRON SHOT No.1		0.8TON	YOUNGJIN MACHINE	
	APRON SHOT No.2		0.3TON	YOUNGJIN MACHINE	
	HANGER SHOT	KDH-2	1TON	YOUNGJIN MACHINE	
Measuring M/C	X-RAY	TUX-IL1605		TECHVALLEY	
Transportation	CRANE	DHJF10/5-1401	10/5TON	DAEHO	
	CRANE	DHJF5-1402	5TON	DAEHO	
	CRANE		2.8TON	HYUNDAI	

R & D Center

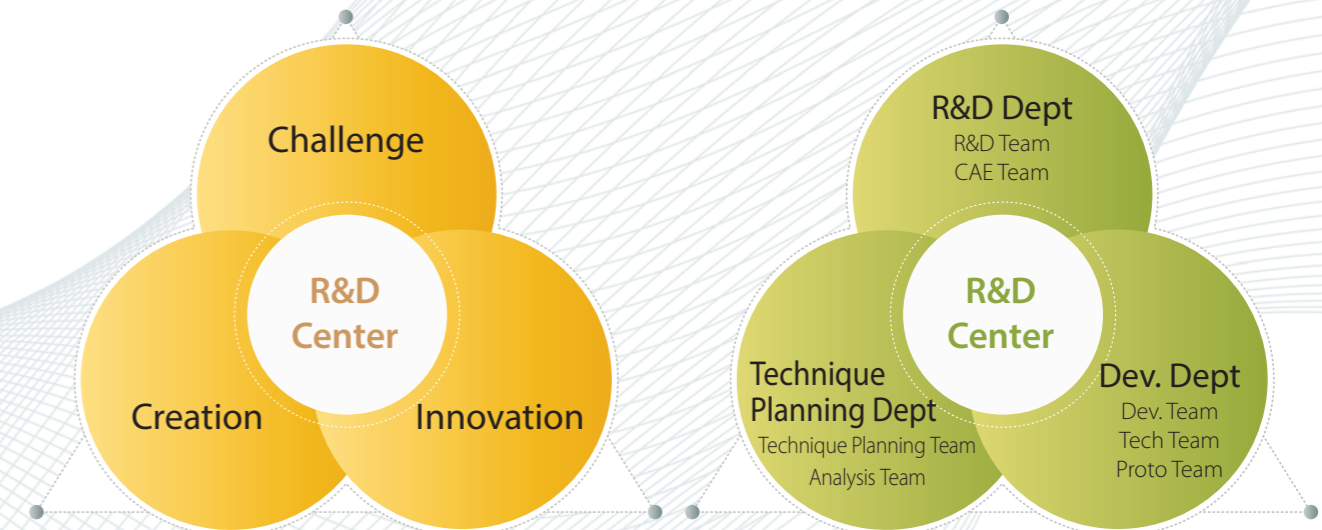


▪ JINHUNG R&D Center

Jin hung R&D center is focusing on car components research, new eco-tech product design and researching preceding technology. We are trying hard to lead unceasing research and development so emerge as the leader in the automobile market. Jin hung will run with a goal of lasting service to mankind.

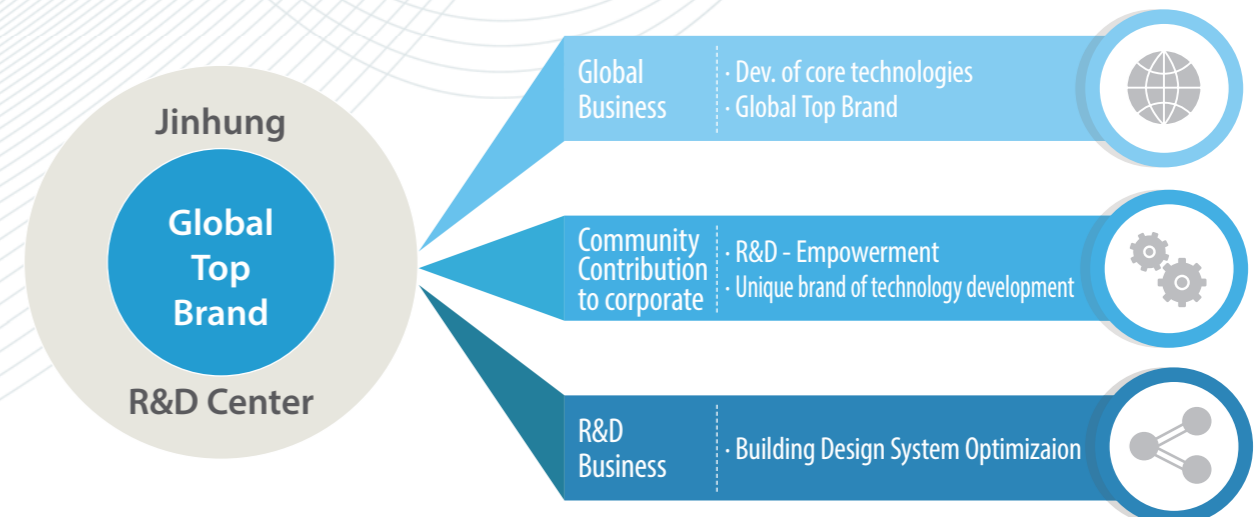


▪ R&D Way



▪ Organization

▪ Target



Certificates and Patents / Main Clients

▪ Certificates and Patents



Quality Certificate
ISO/TS 16949:2009



HMC/KIA SQ Certificate
SUPPLIER QUALITY

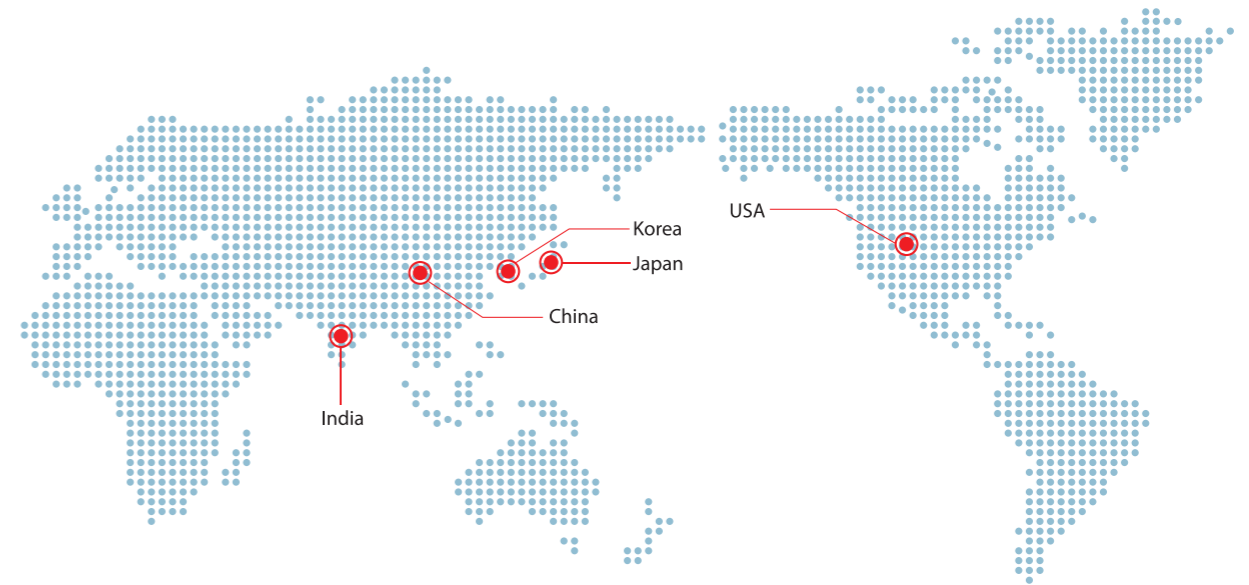


Certificate of Designation
Small Giant Company of Korea



Others Certificate

▪ Main Clients



Korea	Japan	India
<ul style="list-style-type: none"> Hyundai/Kia Motors Hyundai Mobis LG Housys Dongkook Motonic Seoyon E-hwa Bando Korea Woosu AMS Najeon, Korea 	<ul style="list-style-type: none"> Isuzu Plast-i 	<ul style="list-style-type: none"> Tata, India Suzuki-Maruti
	USA	China
	<ul style="list-style-type: none"> Hyundai/Kia Motors 	<ul style="list-style-type: none"> Yanfeng Hainachuan Beijing Seoyon

