

COMPANY PROFILE

Pioneering the future of motorization
Aiming for sustainable global company.



GMB



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GMB Korea has now been in business for 44years.
We extend our heartfelt thanks to all our loyal
customers for their enduring support

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Think Innovation

Your success is our Future.





GMB



Main Office & Plant 1 in Changwon



Plant 2 in Changwon



Plant in Seosan



GMB AG TECH



GMB Elpis

”

Advanced Technology For The Future!

The satisfaction of receiving high-quality products,
it is the very goal GMB is trying to attain.
Now, we are going to open a new technological world
with a spirit of perseverance and creativity.

Establishment	Feb.1979 (44years)
Employees	706people
Sales figure	545.0 Billion KRW
Total Assets	444.3 Billion KRW

Brief History



2015 ~ Today

- 2023** Established GMB USA
- 2021** Awarded for supplier of the year 2021 from Hyundai Transys
- 2020** Romania GMB New Factory Construction
- 2019** CEO SeiYoung, Chung inauguration as President
- 2019** 40th Anniversary of Incorporation
- 2017** Established GMB Elpis
- 2016** Opened China sales center in Hangzhou
- 2015** Awarded 'Quality 5-Star' from Hyundai Motor Group
- 2015** Awarded 'Best supplier reward of PSA 2015'



2010 ~ 2014

- 2014** Established Russia GMB
- 2014** Established Romania GMB
- 2014** Established the 2nd R&D Center in Korea
- 2013** Awarded 'GM supply Quality Excellence'
- 2013** Established Nantong GMB in China
- 2013** Established GMB AG TECH
- 2013** Established Hangzhou GMB in China
- 2012** Listed on the Korea stock exchange
- 2010** Selected as a Best Labor-Management Culture Enterprise by Korean government

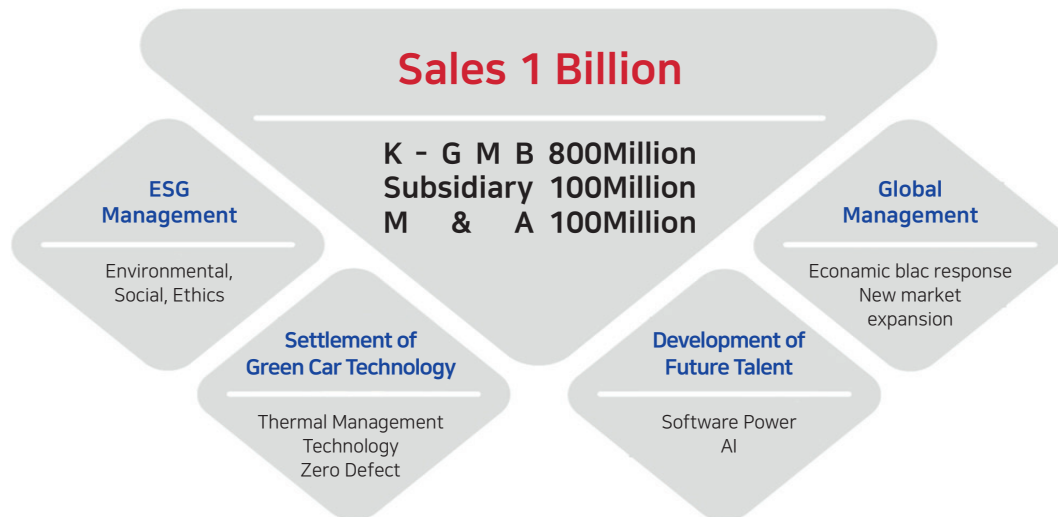


1979 ~ 2009

- 2009** Established the 3rd plant in Korea
- 2006** Established Qingdao GMB Jimo in China
- 2005** Changed company name to GMB Korea Corp.
- 2005** Invested capital in Thailand GMB
- 1996** Invested capital in Qingdao GMB Laixi in China
- 1995** Established the 1st R&D Center in Korea
- 1990** Established the 2nd plant in Korea
- 1987** Technical agreement with Koyo seiko in Japan
- 1979** Established Korea GMB

Vision

BEYOND 1BD



BE YOUR New Dream 1 Billion Dollar

Management Motto

Companies **Are Humans**



Since its foundation in 1979, GMB Korea has made the best effort to improve the company's product quality by keeping up with the market to provide satisfaction and trust to customers. With its endless innovation of technology, GMB Korea aims to become a contender for creating new values so that the company may contribute to building a richer society. To realize our goals, we position ourselves within the motto, "Companies are humans," to push ourselves to foster new talent, ready our minds with the company's spirit of "Harmony," and reach for the goal of becoming a global company with sustainability so that each and every member may feel the worth in their performance.



CEO Greeting

GMB, a future innovator leading the future automotive industry.

GMB, which has been leading the automotive parts industry based on its ultra-precision processing technology, has been reborn as a representative of the next-generation automotive parts industry that includes electric vehicles and hydrogen fuel cell vehicles.



GMB

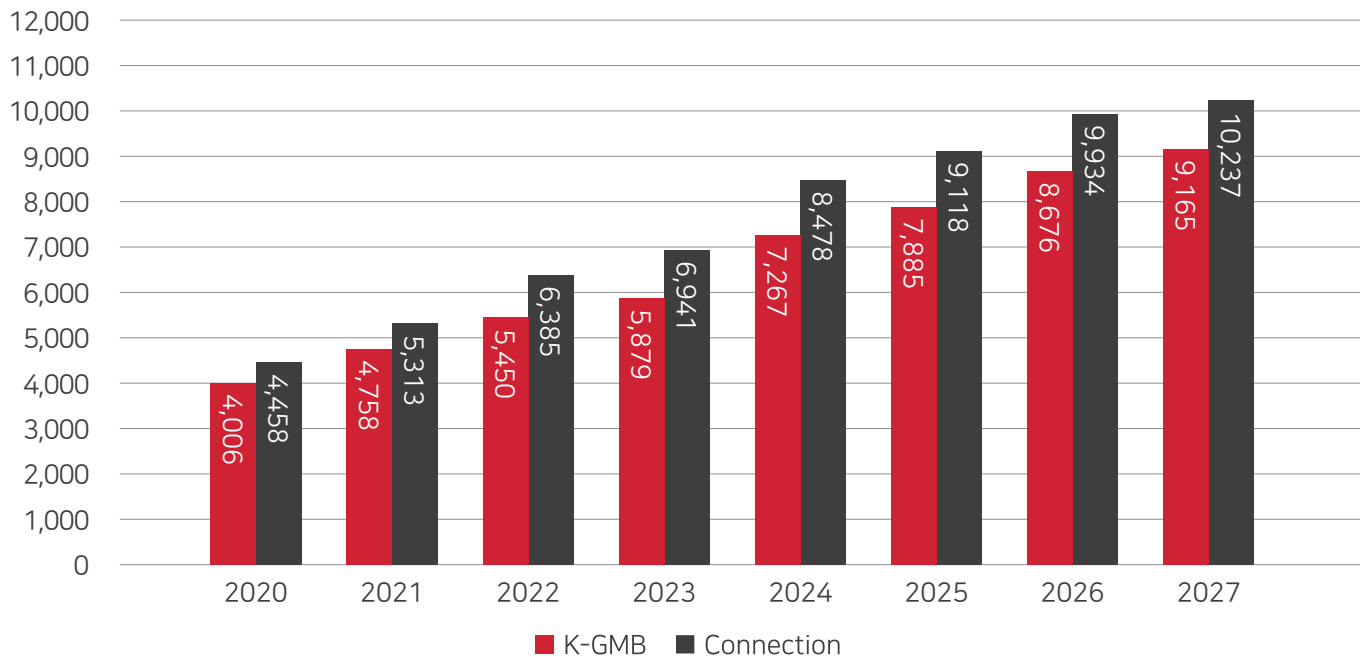
GMB KOREA Corp. CEO Sei Young, Chung

CHUNG SEI YOUNG

Company Profile

01 2020~2027

[Mil. WON]



02 2022 Sales Details

[Mil. WON]

2022 Sales Portion by Customer

Category	Sales	Ratio
OEM	2,140	39.3%
Tier1	2,292	42.1%
A/S	649	11.9%
Group	332	6.1%
Others	37	0.7%
Total	5,450	100.0%

2022 Sales Portion by Product

Category	Sales	Ratio
A/T	1,256	23.1%
Chassis	1,199	22.0%
Green Energy	1,173	21.5%
Engine	1,083	19.9%
Bearing	38	0.7%
Others	702	12.9%
Total	5,450	100.0%

2022 Sales Portion by Industry

Category	Sales	Ratio
Domestic	2,522	46.3%
Export	2,929	53.7%
Total	5,450	100.0%

03 2022 Affiliated Companies [Mil. WON]

Country	Company	Sales
Japan	GMB Corporation	2,159
South Korea	GMB Agtech	453
	GMB Elpis	370
China	Qingdao GMB Machinery Product. Co.Ltd	689
	Qingdao GMB Automotive. Co.Ltd	449
	Hangzhou GMB Automotive. Co.Ltd	395
	Nantong GMB Automotive. Co.Ltd	201
Thai	Thai GMB Industry Co.Ltd	486
Romania	GMB Romania Auto Industry SRL	252
Russia	GMB Rus Automotive, LLC	25
USA	GMB North America Inc	722
	GMB USA Inc	-
Total		6,199

04 Stock Holders

Company	Ratio
GMB Corporation	54.37%
Individual Stockholders	45.63%

05 Investment

Hangzhou GMB Automotive.Co.Ltd	100%
Nantong GMB Automotive.Co.Ltd	100%
GMB Romania Auto Industry SRL	100%
GMB Rus Automotive, LLC	100%
Qingdao GMB Automotive.Co.Ltd	80%
GMB USA Inc	60%
GMB Agtech	60%
GMB Elpis	60%
Qingdao GMB Machinery Product. Co.Ltd	40%
GMB North America Inc	34.29%
Thai GMB Industry Co.Ltd	20.17%

06 Plant & Employee

Plant	Land	Building	Employee
Plant 1 in Changwon	32,014 m ²	30,681 m ²	309
Plant 2 in Changwon	35,604 m ²	32,648 m ²	377
Seosan Plant	17,167 m ²	22,576 m ²	20
Total	84,785 m ²	85,905 m ²	706

ESG Management

We received an 'excellent grade' in the ESG evaluation from a domestic evaluation agency in recognition of such efforts.

**GMB Korea will think about the environment & society and grow together
in a sustainable way for society and members.**





GMB Korea seeks to grow with the society and its members toward a sustainable direction while considering the environment and society.

A COMPANY FOR NATURE

OE PRODUCTS

Our products meet customers' specifications required by extreme test conditions and design analysis. We strictly manage the quality control by ourselves and steadily develop a new methodology for innovation. GMB is using durable materials with a reliable quality inspection system for user safety.

01 GREEN ENERGY PARTS

● Electric Water Pump (EWP)



● Electric Oil Pump (EOP)



● Integrated Thermal-management Module (ITM)



● Valve Pump Module (VPM)





02 TRANSMISSION PARTS

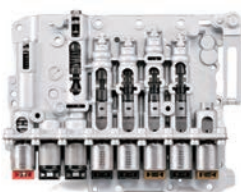
● Valve Spool



● Pinion Shaft / Differential Pin



● Valve Body



03 CHASSIS PARTS

● Tripod Joint



● Cage



● CV Roller



● Inner Race



● Universal Joint



● Steering Joint



OE PRODUCTS

04 ENGINE PARTS

ENGINE DRIVE SYSTEM

● Tensioner



● Idler & Pulley



● Timing Belt Tensioner (TBT)



● Accessory Drive Tensioner (ADT)



● Hydraulic Auto Tensioner (HAT)



COOLING SYSTEM

● Water Pump



● Oil Pump



ENGINE IMPROVEMENT SYSTEM

● Fan Clutch



● Center Bolt & Control Valve



● Socket



ENGINE IMPROVEMENT SYSTEM

● Turbo Charger Components



05 BEARING PARTS

● Ball Bearing



● Water Pump Bearing



● Clutch Release Bearing



AFTERMARKET PRODUCTS

01 ENGINE PARTS

ENGINE DRIVE SYSTEM

- Overrunning Alternator Pulley (OAP)



- Timing Belt Kit



- Timing Chain Kit



- Belt (Timing Belt, Accessory Belt)



COOLING SYSTEM

- Thermostat





02 CHASSIS & AXLE PARTS

● Wheel Bearing



● Wheel Bearing Kit



● Suspension



● CV Joint



● Brake & Disc



● Shock Absorbar



AFTERMARKET PRODUCTS

03 FUEL DELIVER SYSTEM

● Fuel Pump



04 ACCESSORY PARTS

● Filters



● Engine Oil, Transmission Oil, Brake Oil



● Battery



● Ignition Coil & Spark Plug



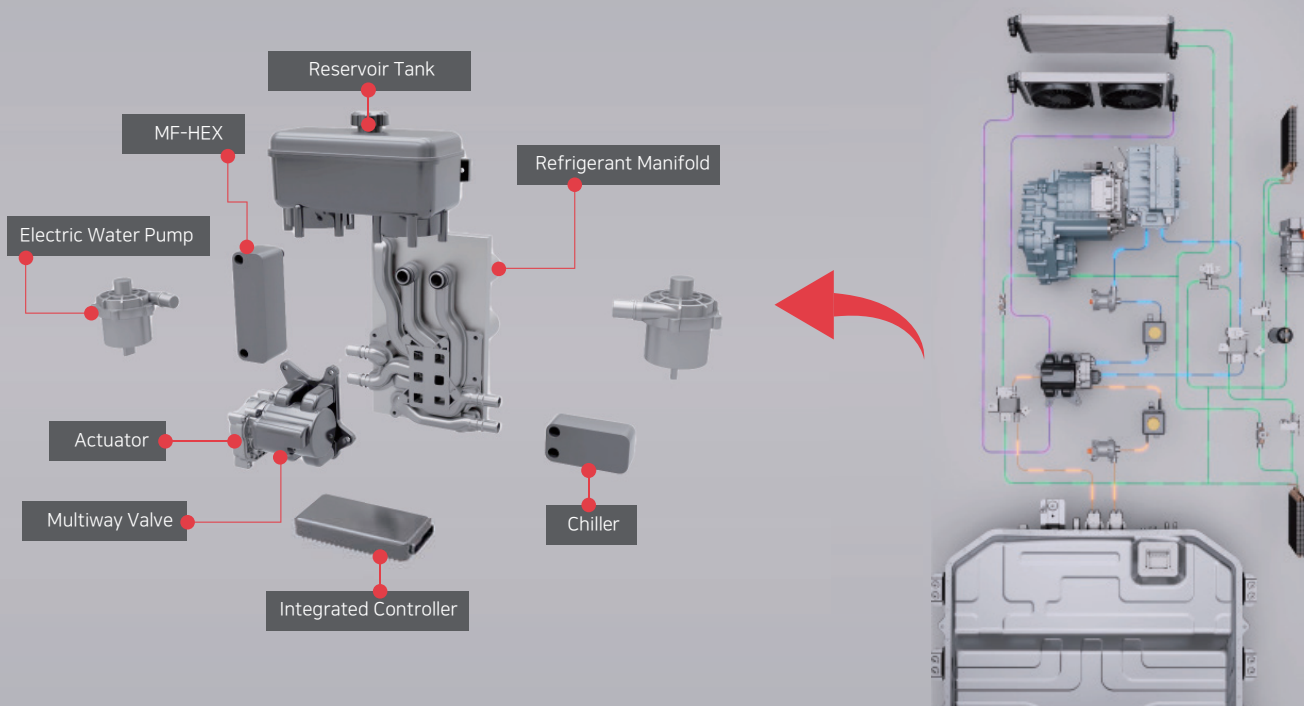


YOUR SUCCESS IS OUR FUTURE
ENDLESS INNOVATION FOR A GREENER TOMORROW

We are designing a happiness that is in tune with nature.
We pursue a value that is more important than a comfortable life.
We dream of bringing all humankind together, as one.
GMB Korea is creating a beautiful world where nature
and culture form the foundation of people lives.

Future of GMB

We have improved vehicle fuel efficiency and have maximized the utility of indoor space through research on optimizing the core parts of various yet complex Integrated Thermal Management Electrification Modules and integrating those parts into one module. We will make a daring investment in more new products of future environment-friendly vehicles to contribute to making the environment a better place for humanity.

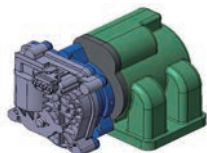


Advanced Green Energy Parts

● Oil Pump Control Unit



● Multi-way Valve



● Electric Compressor



● High Voltage Coolant Heater



● Actuator



● Coolant Hub Module



● Active Purge Pump



● Electrical Heating Catalyst Air Pump



Research & Development

GMB continues its efforts to meet customer's needs
by pursuing more **creative ideas and better technologies.**

GMB manages all processes through design, production and quality control leading to delivery of thoroughly tested products, which our customers require. GMB manufactures reliable products, which customers can trust 100% and grasp global technical trends. We are pushing ahead with constant innovation to develop core technologies in automotive parts industry. In addition, we are creating a new value in this field with various experts and technologies.

Technology

The R&D center is the heart and brain of GMB.

Experts in various engineering fields are securing core technologies.

- GMB has own technologies accumulated in design verification capacity like FEM, CFD analysis.
- GMB owns test benches for all products to meet the product specifications that are required by car makers and ISO standards.
- GMB secures the safety and durability through the extreme test conditions for all products.
- Technical informations are accumulated through the advanced researches and cooperation with OEM R&D center.



Automation of AMR Production·Logistics

01 5G Production System

By applying the flexible production system based on mobile-cooperative production on automatic driving that utilizes 5G hyper-connection, high-speed/massive data, and ultra-low latency technology, we implement the following to increase productivity and decrease defect rates.



- 5G wireless communications network construction/management for the real-time transmitting and receiving environment of IoT capable of ultra-high-speed data handling.
- Automation of inspection process and operation of intelligent automatic moving robots. (AMR)

02 Automation of AMR Logistics

Developing innovative and smart logistics service platform on productivity and safety management based on AMR (Autonomous Mobile Robots)-synchronized Metaverse and coming up with 3D-based simulation through big data analysis results. Making the whole process smarter by utilizing AMR to send products, automatize parts of each process, and automatically transfer components to warehouses.



Development on automation of **AMR logistics based on manufacture Metaverse**

- Designing and developing AMR control and position tracking system.
- Links with Storage Lack to design and develop real-time work-in-process management system.
- Designing and developing data synchronization standard interface (MQTT, REST, TCP/IP, OPC-UA, etc.) on existing manufacture systems. (MES, ERP, SCM, etc.)
- Designing and developing site work-in-process management system for smart work-in-process management.
- Designing smart warehouse system.
- Designing and developing input-output (I/O) port.

Awards & Certifications

Awards



HMG Quality 5star 2015



GM : Supplier Quality Excellence Awards (2018~2020)



GM : Supplier Quality Excellence Awards (2014~2017)



GM Supplier Quality Excellence Awards 2021



PSA : Supplier Awards (BEST PLANT)

HYUNDAI TRANSYS : Supplier of the year

NEXTEER : Perfect Quality Supplier Award

MOBIS : Award of Appreciation

Certifications



Ecovadis 2021



IATF 16949
ISO 14001
ISO 45001
AEO

Production Facilities

ENGINE PARTS



Assembly Line of Electric Water Pump



Assembly Line of Water Pump



Assembly Line of Controller



Assembly Line of Tensioner & Idler Bearing



Assembly Line of Integrated Thermal Module

CHASSIS PARTS



Assembly Line of Needle Bearing (Steering Joint)



Progressive Press Machine for Shell Case(Steering Joint)



Assembly Line of Cassette Roller



Grinding Facilities for CV Roller

TRANSMISSION PARTS



Machining Line of Valve Spool



Grinding Line of Valve Spool

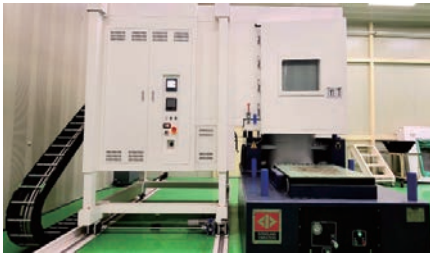
BALL BEARING



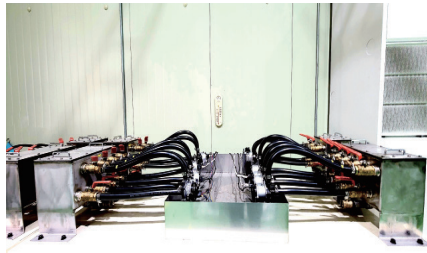
Assembly Line of Ball Bearing

Reliability Testing Facilities

EWP Test Benches



Combined Environment Vibration Tester



Durability Test



Temperature & Humidity Tester



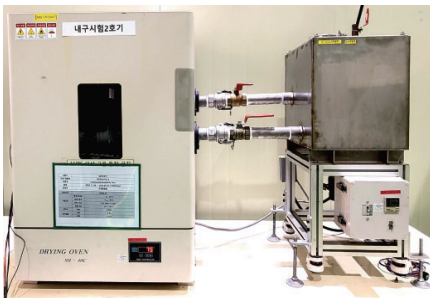
Performance Tester



Refrigerant Thermal Shock Tester



High Temperature Durability Tester



Durability Tester



Thermal Shock Tester



Durability Tester

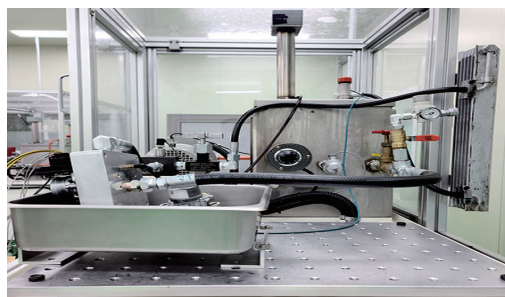


Water Spray Tester

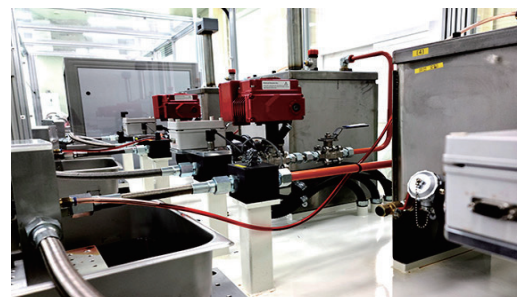
EOP Test Benches



Environment Tester



Pressure Durability Tester



Performance Tester

ITM Test Benches



Complex Environment Durability Tester



Complex Environment Thermal Cycle Tester



Actuator Performance Tester



Cold Water Immersion Tester



Splash Water & Dust Tester



Leak Tester

Valve Spool Test Benches



Hydraulic Characteristics Tester



Wear Tester



Low Temperature Durability Tester

Reliability Testing Facilities

Water Pump Test Benches



Performance & Durability Tester



Environment Tester



W/P Bearing Endurance Tester



W/P Bearing Life Tester

Bearing & Tensioner Test Benches



TIB Durability Tester



Mud & Splash Water Tester



TIB Contamination Tester



TIB Temperature & Humidity Tester



Auto Tensioner Durability Tester



HAT Durability Tester



SBB Fatigue Tester



SBB Grease Life Tester

Test Benches for Oil Pump



Noise Analysis Tester



Oil Pump Performance Tester



Oil Pump Performance
& Endurance Tester



Oil Pump Environment
/ Durability Tester

Test Benches for Other Items



Timing/Accessory Belt Durability Tester



OAP Endurance Tester



OAP Bearing Fretting Tester



E/G Motoring Tester



Thrust Bearing Durability Tester



Hub Bearing Tester



Bearing Multifunction Tester



Anechoic Chamber

Global Network

GMB Korea set the vision of 'becoming a global leader growing with customers by providing innovative technology solutions'.

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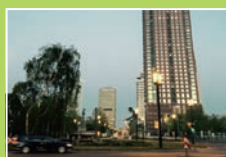
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Global Company
Eco-friendly Parts
Solution Provider

