



Your success is our Future.

GMB

THINK INNOVATION

Automobile & Industrial Products

2022

GMB contributes to the global society as a key player in the automotive industry by constantly seeking technological innovations and new product developments.

GMB
CORPORATE
PHILOSOPHY



6 PROMISES FOR ALL

- Pursue to be the originator of delivering happiness around the globe.
- Accept the challenge of dreaming and achieving innovative technology for the success of future generations.
- Provide heartfelt, passionate services to our society.
- Demonstrate corporate citizenship by following moral principles and governing laws.
- Conduct business ethically, honorably, and with dignity to emerge as a trustworthy brand.
- Aspire to build strong teams to spread harmony among all of humanity.



Think Innovation, GMB

**We create a new future
with individual ideas for innovation.**

GMB challenges the global manufacturing industry
by taking full advantage of leading-edge technology.

Everyone associated with GMB works toward creating a future
with innovate and harmonious ideas.



GMB

Technology Innovator GMB

GMB manages all processes through design, production and quality control leading to delivery of thoroughly tested products which our customers require. GMB produces reliable products, which customers can trust 100% and grasps world technical trends, not sparing in study and investment in order to reflect that technology in development and production of products.

GMB pursues the best precision and security. "Impression when people come across a perfect product." This is the basics that GMB pursues. GMB opens a new technical world to challenge the mind over creation of new products.



Global Innovator GMB

GMB built a Global Business Network from Japan through U.S.A., Korea, China, Thailand and through to Europe. As a global company GMB can achieve the global standards for auto parts. GMB has made continuous growth and become a leading-edge company in the world since the establishment of the business in 1943. GMB advances towards the enlarged world to play a key role in the world auto parts economy.



Future Innovator GMB

The GMB family aims at the best customer satisfaction based on new innovation. GMB strongly believes that your growth is connected to our future. GMB does our best to have all people concerned open the affluent future as the best partner who can lead auto industry in the future. GMB will be a company, which can make the innovative future as a true global company which always thinks about people and environment.



TECHNOLOGY

Innovator GMB

GMB pursues the best in precision and security.

The "impression when people come across a perfect product" is the underlying principle that GMB pursues.

GMB opens a new technical world to challenge minds through the creation of new products.



Principal policy and actions on QC/QA

Customers First, Priority on Quality, and Safety and Confidence, are basic points so that satisfactory, economical, durable, and quality products are delivered to customers.

Quality Motto

Customers First, Priority on Quality, Continuous Kaizen, and Do the Best.

GOAL
Zero Defects to Customers

GUIDELINES

1. Enhance Efficiency and Quality
2. Reduce Cost and Defects
3. Uphold Rules

Global Quality Accreditations

Each individual GMB company considers "Customer first" and "Supplying available products with confidence" as the biggest mission together with the continuous improvement of management systems based on "Quality Policy" through the acquisition of international standard certification "ISO/TS16949" "ISO9001" for quality control, international standard "ISO14001" concerning the environmental management system and international standard "OHSAS18001" concerning the occupational health and safety management system.



TS 16949 ISO 9001 ISO 14001 OHSAS 18001

PRODUCTS

COOLING SYSTEM

- > Electronic Water Pump
- > Water Pump
- > Fan Clutch

DRIVE LINE COMPONENTS

- > Universal Joint
- > CV Joint

ENGINE DRIVE SYSTEM

- > Tensioner & Idler Bearing
- > Timing Belt
- > Timing Belt Kit
- > Overrunning Alternator Pulley

STEERING & SUSPENSION PARTS

- > Ball Joint
- > Tie-Rod End
- > Control Arm
- > Inner Shaft
- > Cross Rod
- > Pitman Arm
- > Idler Arm
- > Rack End
- > Side Rod
- > Stabilizer Link
- > Steering Joint

AXLE PARTS

- > Wheel Bearing Parts

TRANSMISSION PARTS

- > Valve Spool

BEARING

- > Single Ball Bearing
- > Water Pump Bearing
- > Clutch Release Bearing

FUEL DELIVERY SYSTEM

- > Fuel Pump

COOLING SYSTEM

The cooling system cools down the combustion engine efficiently. GMB now presents the Electrical Water Pump, (Mechanical) Water Pump, and Fan Clutch as key components to influence the engine life cycle.



> Electronic Water Pump

Electronic Water Pump used in combination with HEV, EV and/or FCV this device pumps coolant fluid around engine. It is driven by battery generated electricity and can be activated on demand. Working condition is controlled so that the engine is loaded for optimal economy.

> Water Pump

Water pump is a vital part required to circulate coolant around engine. Heat produced by engine combustion is absorbed by coolant which then passes through radiator to cool down before returning to engine. Water pump is situated between radiator and engine and driven by pulley through timing belt or fan belt. Water pump causes coolant to circulate.



> Fan Clutch

Fan Clutch regulates cooling air flow by controlling fan speed in accordance to ambient air temperature around radiator area so that optimal heat balance is maintained in engine's cooling system. Fan clutch driven by engine revolution can continuously change its fan speed by regulating silicon oil controlled by temperature sensor (bimetal). Whether driving on highway or in traffic jams it can quickly respond to temperature change.

> Universal Joint

Drive shaft and Propeller shaft incorporated with universal joint is widely in use not only in automotive industry but also all other industrial scenes. Purpose: high torque transmission in limited space. GMB enjoys the historical reputation on quality continuously supplying to prominent shaft manufacturers worldwide with high confidence generated by over 70 years of dedication on universal joint production.



> CV Joint

Front drive cars transfer the engine power; Engine-Transmission- Differential gear - Drive shaft - Wheel. Constant velocity joint being assembled into driveshaft transfers engine power to the shaft at changing angles and axial movement and then to the wheel.

DRIVE LINE COMPONENTS

Driveline components link the Engine/Transmission system to the driven wheels and include propeller shaft, differential gear and final drive in the axles and drive shafts. GMB supplies Universal Joints and CV Joints for Propeller shafts and Drive shafts.

A CERTAIN QUALITY THE WORLD HAS RECOGNIZED. BRAND GMB.



ENGINE DRIVE SYSTEM

The intake valve and exhaust valve opens and shuts at each timing to properly activate engine combustion. GMB supplies timing belts to transfer the accurate timing of valve action to camshaft, tensioners to adjust belt tension, and idlers to hold the belt against displacement.

> Tensioner & Idler Bearing

Belt driven outer ring mechanism is inherent in this design. Tensioner bearing is placed at slack side. (Idler bearing at tight side) There are various styles according to engine types.



> Timing Belt

Being made from resin it is quiet, unyielding, light-weight and high-tracking so that valves can accurately open and shut.



> Timing Belt Kit

A combination of timing belt with tensioner and idler bearing.

> Overrunning Alternator Pulley

The overrunning alternator pulley is used to smooth out the uneven engine speed inputs to the automobile alternator. It consists of a pulley, an overrunning clutch unit with a double bearing support, a drawn inner ring and outer ring and two sealing rings. For protection against water spray and dirt contamination, a sealing cap is fitted on the front face.



STEERING & SUSPENSION PARTS

The driving comfort system adjusts the wheel action on the road as well as driving posture. It distributes the weight of the vehicle evenly, absorbing road bumps as well as shocks and vibrations to safely hold passengers and loads.

> Tie-Rod End

Positioned outside steering gear box, it connects with knuckle arm.



> Inner Shaft

Fastens control arm onto chassis. 2 types ; upper arm shaft and lower arm shaft.



> Cross Rod

Cross Rod is a core part of the ball/nut linkage type steering system. It transfers the steering input to the road wheels.



> Control Arm

One of parts which constitute 4 link-suspension. 2 arms, upper and lower control arms sandwiching axle control action of running wheel.



> Rack End

Transfers steering momentum to running wheel. Absorbs road bumps and vibration. Stabilizes vehicle maneuver.



> Stabilizer Link

Connects suspension arm to stabilizer.



> Pitman Arm

A lever shape arm which transfers the oscillating angle change at steering gear box by steering action to drag link or relay rod.



> Side Rod

Connects steering gear box and knuckle at running wheel side. Transfers steering momentum to running wheel.



> Idler Arm

It constitutes a link with pitman arm at steering side to keep relay rod parallel and with idler arm in opposite side.



> Steering Joint

It flexibly connects steering shaft to steered shaft in the limited space.



> Ball Joint

Freely pivoting and it holds also high ruggedness in lateral direction.



AXLE PARTS

Wheel bearings as axle parts; new items introduced through years of experience and technical acumen. This mechanism provides smooth and comfortable driving by providing the wheels with smooth rotations to stabilize the vehicle. Over the years they have evolved to 3rd generation wheel bearings.



> Wheel Bearing Parts

By performance 1st, 2nd and 3rd generation are distinguished; 1st = Double angular contact bearing which separately consists of bearing section and hub. 2nd shows that hub works for bearing outer race. Balls and inner race are incorporated with hub. 3rd shows further integration. Flange(hub) which holds wheel and rotor works now for bearing inner race. Another flange which connects to knuckle works for bearing outer race. Bearing related parts around hub are integrated.

BEARING

Supports the rolling shaft smoothly to prevent seizures. Various bearing types exist for specific requirements and constructional limitation. GMB presents the water pump bearing, single ball bearing, and clutch release bearing.



> Water Pump Bearing

One of the critical component parts to work for the life of water pump. GMB undertakes quality assurance by thorough in-house process from steel material selection, shearing, turning, heat treatment, grinding and assembly through long experience and accumulated know-how.



> Single Ball Bearing

GMB produces large volumes of standard bearings as well as providing special bearings with high temperature, high speed and special conditions. Sizes; 6000-6012 and 6200-6215

> Clutch Release Bearing

Clutch release bearing has 2 basic types; forging and press type. GMB holds both technologies being able to supply OE specs.



TRANSMISSION PARTS

Valve spools influence driving performance. As an OE supplier, GMB produces over 200M world class components on a yearly basis.

> Valve Spool

Critical part for automatic transmission to change speed and direction. Installed into control valve regulating oil pressure and enable automatic gear change. It is a super precision hydraulic valve.



FUEL DELIVERY SYSTEM

The modern fuel system is controlled by computers. It measures then adjusts the volume of air to fuel ratio that is required for proper injection. It must also ensure full atomization within the air/fuel mix in the intake chamber, so the air-to-fuel ratio can be controlled according to the driving conditions.

> Fuel Pump

The fuel pump is installed in the fuel tank and sends fuel to the injectors.



GLOBAL Innovator GMB

GMB advances towards the enlarged world
to play a key role in the world auto parts economy.

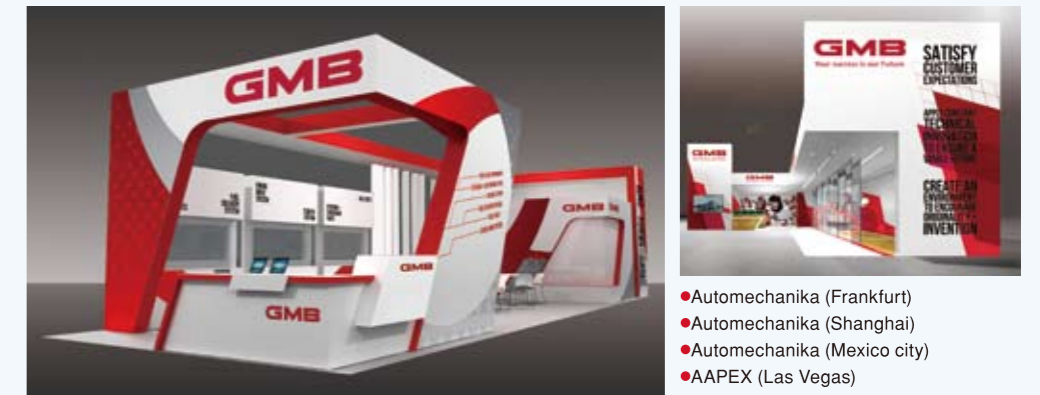
Expanding the GMB Global Network

To meet the requirements of global end users,
GMB has distribution centers in the U.S.A., Korea, China, Thailand, as well as Japan.
We manufacture and sell high-performance and high quality auto parts.

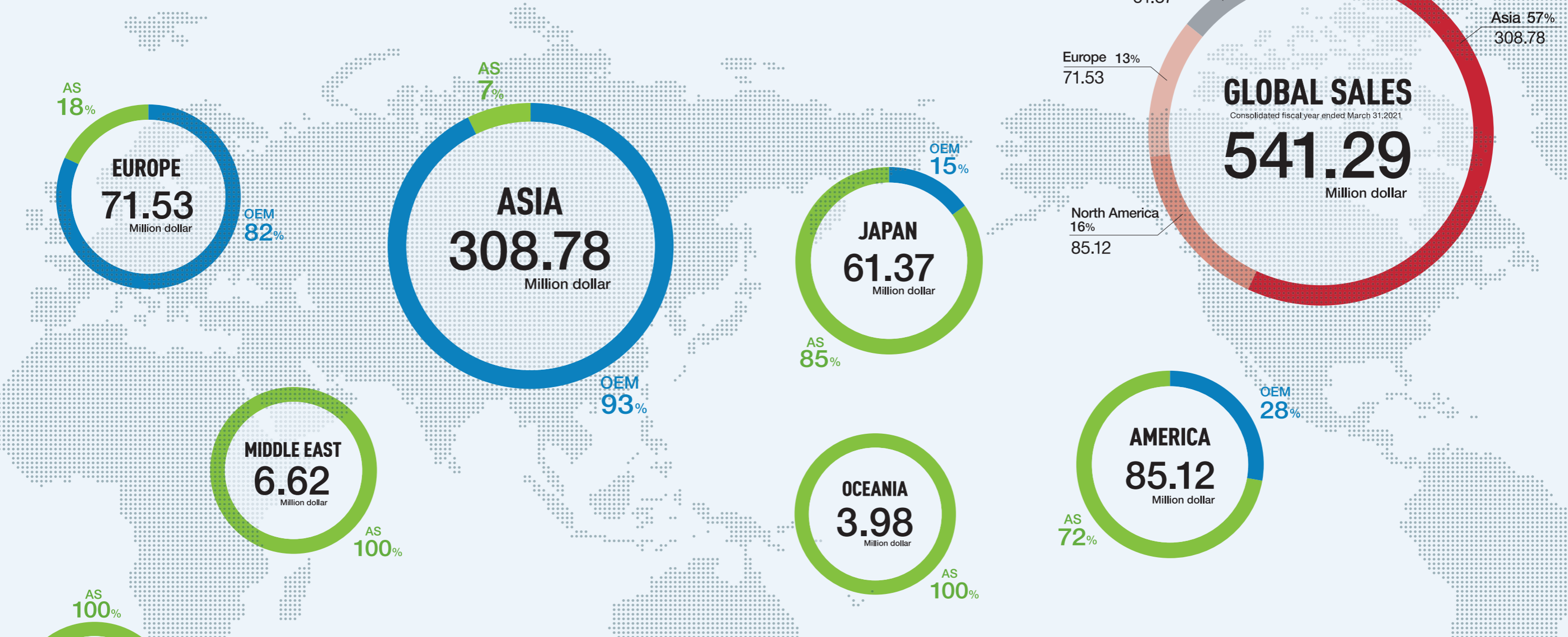


Exhibiting at Automotive Trade Shows

GMB participates in worldwide automotive trade shows to enhance the GMB brand.
We introduce our brand, products, and latest technological developments
to customers at these exhibits.

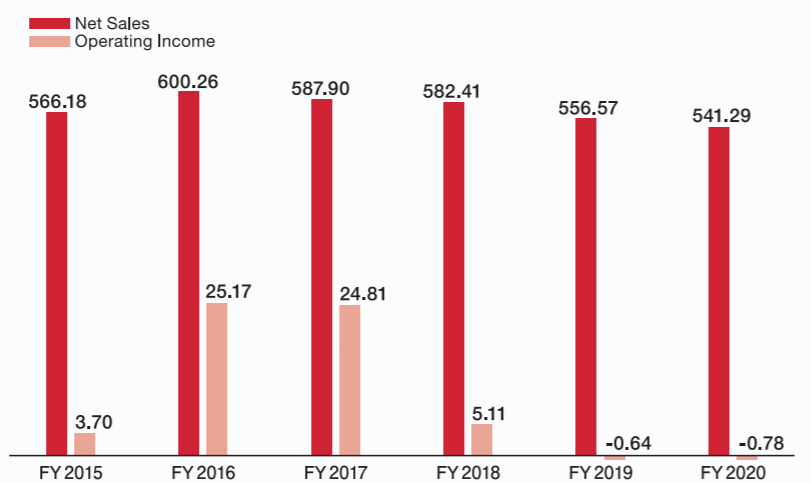


GMB GROUP SALES

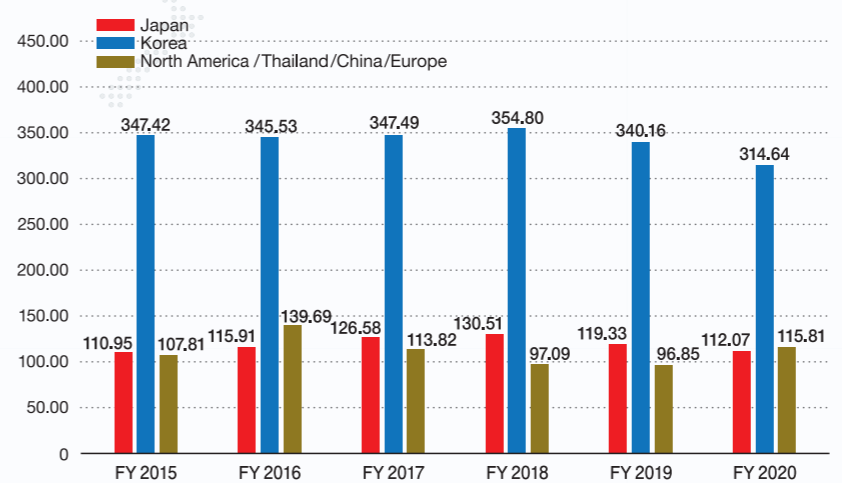


GLOBAL SALES
Consolidated fiscal year ended March 31, 2021
541.29
Million dollar

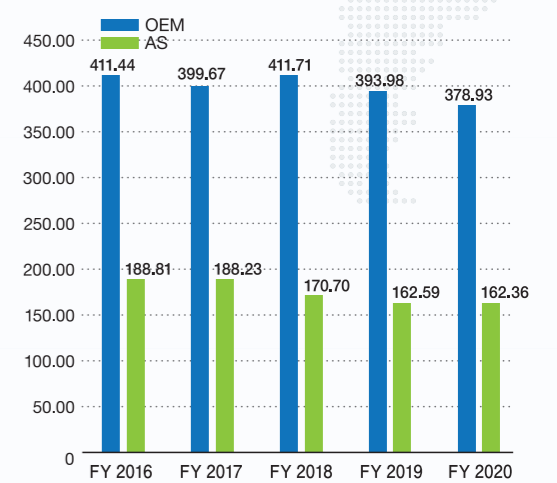
Business Trends – 6 years – (Million dollar)



Sales by GMB Group – 6 years – (Million dollar)



Sales by Division (Million dollar)



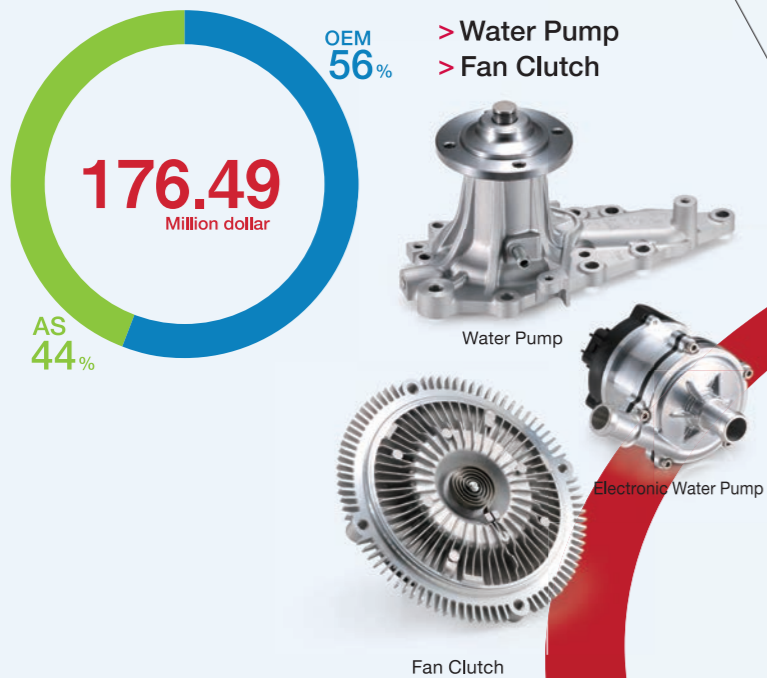
Note : Fractions of the amount are rounded off

* Exchange Rate JPY→USD : USD1= JPY121.05(2015), 108.87(2016), 112.19(2017), 110.44(2018), 110.00(2019), 106.06(2020)

SALES BY PRODUCT

541.28
Million dollar
Consolidated fiscal year ended March 31, 2021

Engine Parts 33%



Drive Line and Steering Suspension parts 33%



Bearing /Other Parts 15%



Transmission Parts 19%



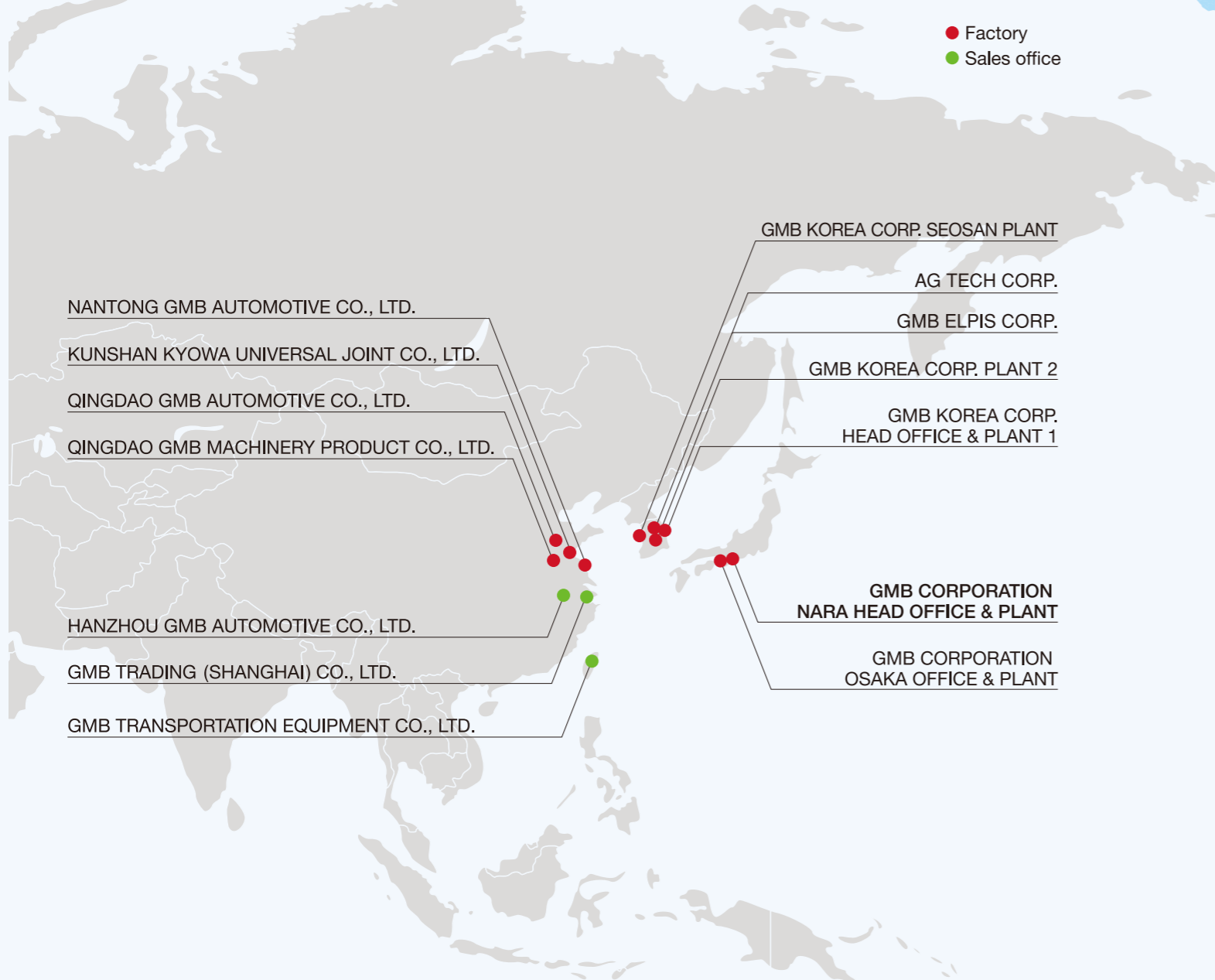
- 📍 Engine Parts
- 📍 Drive Line and Steering Suspension parts
- 📍 Bearing /Other Parts
- 📍 Transmission Parts

Major Customers

AUDI	NISSAN	BOSCH	IFA	NEXTEER	AC DELCO
CHRYSLER	PEUGEOT	DANA GROUP	JATCO	OPTIBELT	AUTOZONE
GM	RENAULT	DAYCO	JTEKT	POWERTECH	CRP
HONDA	SKODA	DELPHI	KYOWA	SHOWA	DYNA TRADE
HYUNDAI	VOLKSWAGEN	GATES	LITENS	SKF	TMY
KIA	KUBOTA	GKN GROUP	MANDO	YAMADA	TYE SOON
mitsubishi	YANMAR	GOODYEAR	MOBIS	ZF TRW	

GLOBAL NETWORK

< East Asia >



East Asia

GMB meets the global market demands by capitalizing on the strength of our locations to accommodate the customers' needs. Beginning with Japan being a major automotive producing country; add to it Korea, which specializes in mastering innovative manufacturing technologies and China, with its ever increasing population causing car ownership ratio to rise.

GMB CORPORATION



NARA HEAD OFFICE & PLANT



OSAKA OFFICE & PLANT

QINGDAO GMB MACHINERY PRODUCT CO., LTD.



QINGDAO GMB AUTOMOTIVE CO., LTD



GMB KOREA CORP.



HEAD OFFICE & PLANT 1



PLANT 2



SEOSAN PLANT

AG TECH CORP.



NANTONG GMB AUTOMOTIVE CO., LTD.



GLOBAL NETWORK

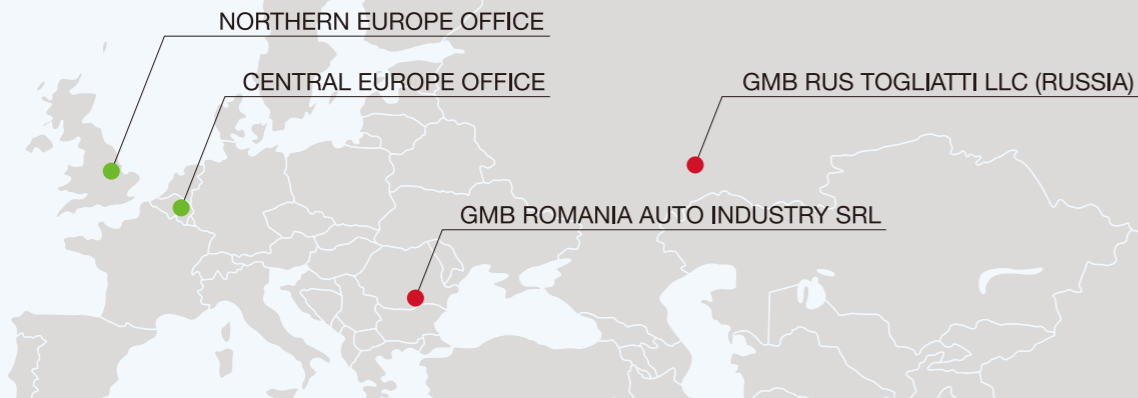
< Europe / North America / South East Asia >



Europe

GMB has strategically located sales offices and production plants throughout Europe to easily supply OEM Tiers 1 and 2 and aftermarket auto parts. Sales offices are located in Germany and in the UK as they are world renowned countries for being automotive industry leaders. New production plants were positioned in Russia and Romania for GMB to continue to be the OEM supplier of choice for car manufacturers.

- Factory
- Sales office



GMB ROMANIA AUTO INDUSTRY SRL



GMB RUS TOGLIATTI LLC (RUSSIA)



North America

The United States is the world's number one car ownership country. GMB North America focuses on supplying aftermarket auto parts for major retail chain stores with sales and warehouses located on the east and west coasts. North America prides itself on staying ahead of the fierce competition by offering their customers unique services that helps them to improve their sales performance.

GMB NORTH AMERICA, INC. NEW JERSEY OFFICE

GMB NORTH AMERICA, INC. CALIFORNIA OFFICE

GMB NORTH AMERICA, INC. NEW JERSEY OFFICE



GMB NORTH AMERICA, INC. CALIFORNIA OFFICE



South East Asia

Thailand's economic growth enabled GMB to meet the needs of local car makers, agricultural and industrial machine makers and the aftermarket. We do this by producing and distributing water pumps, steering & suspension parts as well as steering joints in factories in Thailand.

MUMBAI GMB CO.,LTD. *PLAN

THAI KYOWA GMB CO., LTD.

THAI GMB INDUSTRY CO., LTD.

THAI KYOWA GMB CO., LTD.



THAI GMB INDUSTRY CO., LTD.



FUTURE Innovator GMB

GMB will be a company, which can make the innovative future as a true global company which always thinks about people and environment.

Environmental Policy

As a manufacturer of automotive parts and industrial machine components, GMB believes in the importance of protecting the environment as well as contributing to the betterment of society. While supplying quality products that exceed the expectations of our customers, we not only put the customer first, but also make it a priority to promote global sustainability in our production processes.

1. As an advocate of global sustainability, GMB complies with national regulations to reduce environmental pollution.
2. In order to promote a more efficient use of resources and to reduce waste, GMB actively recycles and limits waste to save our precious natural resources and energy.
3. GMB purchases and supplies eco-friendly merchandise to take a proactive stance on global sustainability.
4. GMB established the Environmental Management System to regularly review company-wide goals for continued sustainability improvements.



CSR Mission

GMB presents its "CSR Mission" to be a sustainable company in the 21st century.

First, GMB will fulfill market needs through our principal business as it carries out manufacturing activities and remains accountable for our ecological footprint.

Secondly, GMB will embrace its corporate social responsibility by aiming to be a key enterprise to both the market and to society.



CSR Core Concept

GMB presents its "CSR Core Concept" beginning with the basics: "Truth, Goodness, and Beauty."

Based on the Core Values: "Concepts and Truth" "Ethics and Virtue" "Aesthetics and Beauty"
GMB's "CSR Mission" strives for strong intellect (Thinking), decision-making abilities (Judging), and compassion (Feeling).

CORPORATE PROFILE

About us

Name	GMB Group
Founded	March 15, 1943
Number of Employees	2,685
Major Product	Universal Joint Kits for Automobiles, Machinery and Agricultural. Steering Universal Joint Kits. Water Pump and Fanclutch for Automobile. Electronic Water Pump. Automatic Transmission Parts. Engine Parts, Ball Bearing, Tensioner & Idler Bearing. Tripod Joint, Suspension Parts, Hub Bearing.

History

1943	Founded Matsuoka Seikousho in ikuno-ku Osaka.
1976	Established the subsidiary-GMB Universal Joints Inc. in USA
1979	Established Korea GMB Industry Co., Ltd. In Korea
1989	Company Name officially changed to GMB Corporation
1991	Established Korea Bearing Co., Ltd. In Korea
1992	Established Shangdong GMB Industry Co., Ltd. In China
1996	Established Qingdao GMB Machinery Product Co., Ltd.
2001	Established Thai GMB Industry Co., Ltd.
2002	"GMB" Name officially registered in English
2004	Listed on the Osaka Securities Exchange Second Section
2006	Established Qingdao GMB Automotive Co., Ltd.
2009	Established Thai Kyowa GMB Co., Ltd.
2012	GMB KOREA Corp. listed on the Korea Stock Exchange
2013	Established HANGZHOU GMB AUTOMOTIVE CO., LTD. Established AG TECH Corp. Listed on the Osaka Securities Exchange First Section Listed on the Tokyo Stock Exchange First Section
2014	Established GMB RUS TOGLIATTI LLC Established GMB ROMANIA AUTO INDUSTRY S.R.L.
2017	Established GMB ELPIS Corp.
2019	Established GMB OCEANIA PTY.LTD. in Australia
2020	Established GMB Sales & Marketing Office in Chuo-ku Osaka.

Group Information

Affiliated Companies
GMB CORPORATION
Nara Head Office and Plant
 150-3 Handa, Kawanishi-Cho, Shiki-Gun, Nara, Japan
 TEL: 81-745-44-1911 FAX: 81-745-44-1930

Osaka Office and Plant
 2-58 Kusune-Cho, Yao-City, Osaka, Japan
 TEL: 81-729-97-1521 FAX: 81-729-97-2481
 URL : https://gmb.jp

	Nara Plant	Yao Plant
Site Area	39,344m ²	16,010m ²
Man Power	280	42

GMB Sales & Marketing Office
 Urban Ace Kitahama Bldg 12F, 2-3-7 Hiranomachi,
 Chuo-ku, Osaka-city, Osaka 541-0046 JAPAN
 TEL: 81-6-6206-5762

GMB Korea Corp.
Head Office and Plant 1
 #618, Ungnam-Ro(Seongsan-Dong), Seongsan-Gu,
 Changwon-City, Gyeongsangnam-Do, Korea
 TEL: 82-55-263-2131~5 FAX: 82-55-261-1926

Plant 2
 #53, Seongsan-Dong, Seongsan-Gu, Changwon-City,
 Gyeongsangnam-Do, Korea
 TEL: 82-55-261-1611~4 FAX: 82-55-261-1615

Seosan Plant
 #660, Myeongcheon-Ri, Seongyeon-Myeon,
 Seosan-City, Chungcheongnam-Do, Korea
 TEL: 82-41-662-8761~2 FAX: 82-41-662-8763
 URL : http://www.gmb.co.kr

Anyang R&D Office
 #431-810, B-217, Geumgan Penterium IT Tower, 282
 (Gwanyang-dong), Haeuro, Dongan-gu, Anyang-si,
 Gyeonggi-do, Korea
 TEL: 82-31-426-0937~46 FAX: 82-31-337-7010

	Plant 1	Plant 2	Seosan Plant	Anyang R&D Office
Site Area	32,014m ²	35,604m ²	17,204m ²	—
Man Power	323	324	12	10

AG TECH Corp.
 #211, Jayumuyeok 3-gil, Masan, Hoiwon-Gu,
 Changwon-City, Kyungnam, Korea
 TEL: 82-70-493-8575 FAX: 82-70-261-1588
 Man Power | 19

GMB ELPIS Corp.
 51338 Third floor of the one, Standard Factory, Masan
 Free Export Zone, Yangdeok-dong, MasanHoewon-gu,
 Changwon-si, Gyeongsangnam-do, Korea
 TEL: 82-055-299-5999 FAX: 82-055-252-4999
 Man Power | 15

GMB NORTH AMERICA, INC.
New Jersey Office
 100 Herrod Blvd, Dayton, NJ 08810, U.S.A.
 TEL: 1-609-655-2422 FAX: 1-609-655-2257

California Office
 14911 Valley View Ave., Santa Fe Springs, CA 90670
 TEL: 1-310-631-7555 FAX: 1-310-631-5795
 URL : http://www.gmb.net
 Man Power | 42

QINGDAO MACHINERY PRODUCT CO.,LTD
 Industry Area2, Wangcheng Laixi Qingdao, China
 TEL: 86-532-8841-3112 FAX: 86-532-8841-2777
 Man Power | 778

QINGDAO GMB AUTOMOTIVE CO.,LTD
 Qingdao Northern industrial Park Longquan-Township,
 Jimo-City, Qingdao-City, Shandong, China
 TEL: 86-532-8558-7945 FAX: 86-532-8558-1286
 Man Power | 312

HANGZHOU GMB AUTOMOTIVE CO., LTD
 Building #3, Xinnongdu Logistics Area, No1 Zhenning Road,
 Xiaoshan, Hangzhou, China
 TEL: 86-571-8261-9533 FAX: 86-571-8269-1221
 Man Power | 18

GMB AUTOMOTIVE NANTONG CO.,LTD
 D5 Bldg Qingfeng Rd, Su-Tong Science & Technology Park,
 Nantong City, Jiangsu Province, China
 TEL: 86-513-8599-2289 FAX: 86-513-8599-2289
 Man Power | 47

THAI GMB INDUSTRY CO., LTD
 239 Moo 7, Tambol Tha Toom,
 Amphur Srimahaphote Prachinburi 25140, Thailand
 TEL: 66-3741-4116 FAX: 66-3741-4110
 Man Power | 361

THAI KYOWA GMB CO., LTD
 304 Industrial Park, 410/1 Moo 7 Tambol Tha Toom,
 Amphur Srimahaphote Prachinburi 25140, Thailand
 TEL: 66-3748-1084 FAX: 66-3748-1086
 Man Power | 86

GMB RUS AUTOMOTIVE LLC
 188660, Leningradskaya oblast', Vsevolozhskiy
 munitsipal'nyy rayon, Bugrovskoye sel'skoye poseleniye,
 derevnya Poroshkino, ulitsa 23 km KAD (vnutrenneye kol'tso),
 stroyeniye. 2. (RAUM Bugry Building No. A2)
 TEL: 070-8872-2131
 Man Power | 6

GMB ROMANIA AUTO INDUSTRY S.R.L.
 Dacia St., No 2, Oarja, Arges, 117545, Romania
 TEL: 40-348-423-434/444/523
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GMB OCEANIA PTY. LTD.
 Unit1, 208 Walters Road, Arndell Park, NSW 2148 Australia
 TEL: 1300-00-7132
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(As of 2021)