

# GGM

[www.ggm.co.kr](http://www.ggm.co.kr)



**GGM Co., Ltd**

# A leader in the area of geared motors **GGM** is stepping forward to become

## **GGM** GLOBAL GEARED MOTOR

GGM is a manufacturer that specializes in small AC/DC geared motors.

Gugje Precision Co., Ltd has been renamed GGM, as it steps up its efforts to become a leading company that boasts 40 years of tradition based on the best quality and technologies.



We manufacture **geared motors**.

To manufacture the **best geared motors in the world**,  
we need to put our hearts and souls into all of our manufacturing processes.

We feel rewarded. This is because we dedicate ourselves to manufacturing  
**the best geared motor**.

In the future, we will continue to manufacture  
**the world's best geared motors** that meet the demands of the times.

Let's contribute to the development of human civilization.



that puts its heart & soul into its products  
a leading company in the world



K8G200B  
**GGM** GEAR HEAD  
G G M CO., LTD.  
GJIJA21 MADE IN KOREA

K8IG25NU  
**GGM** INDUCTION MOTOR  
25W 110V 60Hz 0.50A 5.0# 1500r/min  
25W 115V 60Hz 0.50A 5.0# 1500r/min  
Ins. CLASS : A INT. DUTY : CONT  
T.P : Texas Instruments Inc 7AM033A5-174  
CE  us  
G G M CO., LTD.  
GJIJA16 MADE IN KOREA

A photograph of CEO Young Sik Lee, an older man with glasses, wearing a dark blue suit, white shirt, and green tie. He is sitting at a desk, looking directly at the camera, with his hands resting on a large open document or blueprint. The background is a solid blue color with a subtle geometric pattern of triangles.

CEO Young Sik Lee

Specializing in geared motors, GGM has been dedicated to the motor production with the goal of producing the best AC/DC geared motors in the world since it was established in 1979.

Originally established as Gugje Precision Co., Ltd, the company was renamed GGM, and following bold investments in our facilities and technologies, established a 2nd factory on May 2002, developed an AC standard motor and gear head and acquired UL and CE certificates. Our products are sold both domestically and internationally, and are widely applied in areas that include factory automation, office automation, as well as refrigerators, vending machines, general industrial equipment and game machines. We also have the biggest market share of all domestic small reduced motor manufacturers.

We have an extensive product line-up that covers approximately 1,000 product types, and our 1st and 2nd factories display active production and operation rates. We have acquired approximately certifications for 40 types of product including UL and CE certificates for our standard AC motor and BLDC motor.

We also have 10 industrial property rights for our reduced motors, and acquired ISO9001 for the quality system and ISO14001(HSB, RS KOREA) on May 2005.

Our products are sold to LG Electronics and Samsung Electronics and exported to FUJI Electric and Panasonic Bio Medical in Japan, EMERSON in the US and other European and Southeast Asian companies.

GGM is always prepared to manufacture the world's best geared motors that meet the demands of the times, and promises to move forward both domestically and globally as a leading company in the geared motor market, by offering products with higher competitiveness and quality and contributing to the development of our customers.

- 2018. 10. Received achievement award at the Small and Medium Business Convergence Festival (Presidential citation)
- 2017. 04. Developed 200W ICE Maker motor
- 2016. 05. Selected as a Global Hidden Champion
- 2015. 03. Received honest tax reporting and payment award (Prime Minister's citation)
- 2015. 02. Right Angle gearhead developing
- 2014. 11. Awarded USD 5 million export tower
- 2014. 09. Developed FLAT TYPE reducer
- 2013. 11. Developed BLDC motor 400W
- 2011. 12. Completed the construction of Technology Research Institute
- 2011. 07. Established 3rd factory (DoHwa-dong, Nam-gu, Incheon)
- 2010. 07. Developed small planetary geared motor
- 2009. 08. Start BLDC motor & High Strength gearbox production
- 2009. 06. R&D Center established  
Primising Export Middle Size Company Appointed (Kueonggi Middle Size Company Authority)
- 2008. 09. Promising Middle Size Company Appointed (Kyeonggi Province)  
Superior Products Development Awards received (Prime Minister)
- 2007. 08. Parts & Material reliance certificate acquired (Technology standardization Institute)
- 2006. 06. INNO-BIZ Company Appointed
- 2005. 12. Certificated Acquired
- 2005. 05. ISO 14001 Certificate Acquired (certified by Korean Efficiency Association)  
Eco Partner Certificate Acquired (Samsung Environment Certification)
- 2003. 10. Acquired CE Certification for STANDARD AC MOTOR
- 2003. 06. Acquired UL Certification for STANDARD AC MOTOR
- 2002. 11. Selected as a venture company (by Gyeonggi Small and Medium Business Administration)
- 2002. 05. Founded the second factory (in 272-11, Dodang-dong, Wonmi-Ku, Bucheon, Gyeonggi-do)
- 2000. 08. Acquired UL Certification for AC SHADED POLE INDUCTION MOTOR
- 1999. 12. Acquired ISO 9001 Certification (from creativity Business Quality Management)
- 1998. 11. - Took out a patent for a vending machine of lottery tickets.  
- Took out utility patent for small GEARHEAD
- 1998. 05. Developed GEARHEAD for refrigerators of LG Electronics
- 1997. 10. Began exporting DC MICRO GEARED MOTOR to Japan
- 1997. 05. Developed CARD DISPENSE
- 1996. 04. Developed GEARED MOTOR for ventilators of LG Electronics
- 1995. 05. Began exporting AC GEARED MOTOR to the U.S.A.
- 1994. 06. Developed extraction system for regular coffee (joint development with SAMSUNG Electronics)
- 1993. 12. Moved the company building (in 327-3, Songnae-dong, Sosa-ku, Bucheon, Gyeonggi-do)
- 1993. 01. Developed DC MICRO MOTOR
- 1992. 09. Developed STANDARD DC GRARED MOTOR
- 1986. 05. Developed ICE CRUSHER GRARED MOTOR
- 1986. 03. Developed GEARHEAD for DC MICRO MOTOR
- 1985. 04. Developed AC & DC GEARED MOTOR of SAMSUNG Electronics
- 1984. 02. Developed AC & DC GEARED MOTOR of LG Electronics
- 1983. 05. Developed SHYNCRONOUS GEARED MOTOR
- 1982. 07. Developed AC SHADED POLE INDUCTION GEARED MOTOR
- 1979. 05. Developed SMALL GEARHEAD
- 1979. 04. Founded the company in Oryu-dong, Guro-gu, seoul

## Main production items

AC Motor	DC Motor
BLDC Motor	Gearhead
Controller	Planetary Geared Motor
Shaded Pole Induction Motor	Micro Brush DC Motor

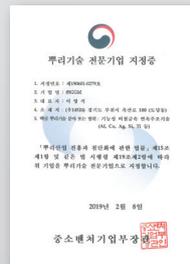


# GGM

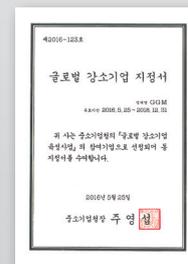
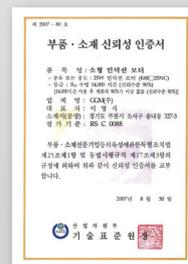
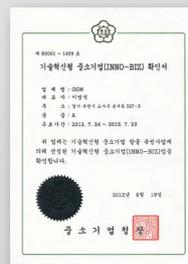
Leading company  
in the geared motors sector



GGM holds various certificates and patents.



If you need a highly efficient,  
low noise geared motor,  
we can provide you with the solution.



# Cutting-edge manufacturing facilities

Boasting the best technology, GGM has the biggest market share of any of the domestic small reduced motor manufacturers.

GGM, a leading company in the area of geared motors, is stepping forward into the global market.





3D  
measuring  
instrument



Gear  
measuring  
instrument

## C. N. C HOBING



# Types of products

We are constantly working to produce new models with a higher level of quality. We feel an obligation to continuously provide new products with better competitiveness and quality, before our customers demand them.



## BLDC GEARED MOTORS

**Excellent speed stability** | The motors operate at a stable speed from low speed to high speed according to changes in the load condition.

**Compact size with high power** | A permanent magnet is used to minimize the loss and allow a compact size while ensuring high power, making it suitable for a small device.

**Low noise and vibration** | Low noise and vibration were realized through precision processing and optimal design.

**Control function** | Slow up and Slow down functions are provided. Operation at a constant speed is available. The motor has a built-in protective device(overload, over current, overvoltage, and low voltage), ensuring safe use.

### ※ Applicable devices

Parking barrier, AGV device, etc.

## AC GEARED MOTORS

Induction motors are classified into single-phase motors and three-phase motors based on the power supply.

Although their torque is not high, these motors have a simple structure, high reliability and simple wiring.

If the direction of rotation is changed to unidirectional operation, it is impossible to reverse the inertial load within a short period of time. For this reason, stop the motor first and then change the direction of rotation.

Reversible motors have the same number of revolutions, torque characteristics, voltage characteristics and condenser characteristics as an induction motor, and the direction of rotation can be reversed easily within a short period of time, which makes them suitable for the purpose of using normal rotation, stop and reverse rotation frequently. These 30-minute rated motors enable instantaneous change of their direction of rotation.

### ※ 30-minute rated

The time of continuous operation available under the rated load is 30 minutes, but operation for more than 30 minutes may be possible depending on the operation status(intermittent operation, etc.).

### ※ Applicable devices

packing machine, food processing machine, small conveyor, etc.



### DC GEARED MOTORS

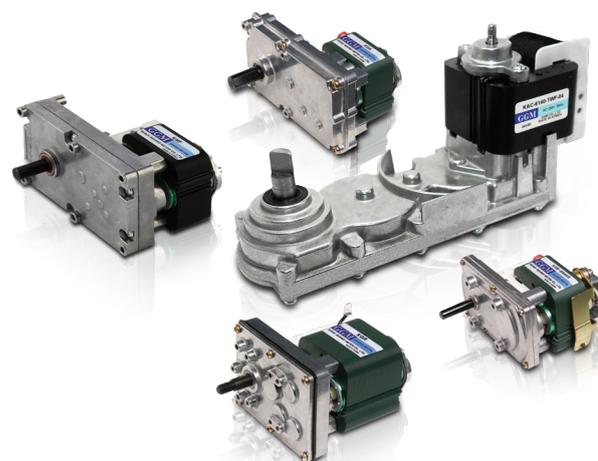
The DC brush motor shows high mobility, torque and output and great efficiency.

As well, it is easy to control the speed and switch between the normal rotation and reverse rotation, and instantaneous stop is also available.

Various voltage specifications are available in comparison to the AC motor.

※ **Applicable devices**

automatic door, small machinery, etc.



### SHADED POLE INDUCTION GEARED MOTORS

These motors have a relatively low motor output and are small in size, making them economical and easy to apply to narrow spaces such as home appliances and OA devices. As well, since customization based on various outputs and specifications is also available, the motors can be used in various fields.

※ **Applicable devices**

Vending machine, ice grinder, coating machine, coin-exchange machine, stove, etc.



### MICRO DC GEARED MOTORS

Since the DC power supply is used, these products are simple, easy to control and economical, and are widely used in small-scale electric and electronic facilities and automatic mechanical equipment.

※ **Applicable devices**

automatic door, copying machine, vending machine, coating machine, outdoor advertising apparatus, bill counting machine, ATM, etc.

# Uses of geared motors

GGM's geared motor has a built-in gear, allowing customers to decelerate the product or adjust to the desired torque, and it is applied for a range of purposes including game machines, office automation, as well as refrigerators, vending machines, factory automation, banking equipment, agricultural machines, food processing machines and household electric appliances.



- 01 Medical appliances
- 02 Robot
- 03 Sunlight generation system
- 04 ATM
- 05 Vending machine
- 06 Refrigerator

04



05



06



“

We contribute to  
technical development  
for the **convenience**  
of human life

”



**Partner**

We work as one team



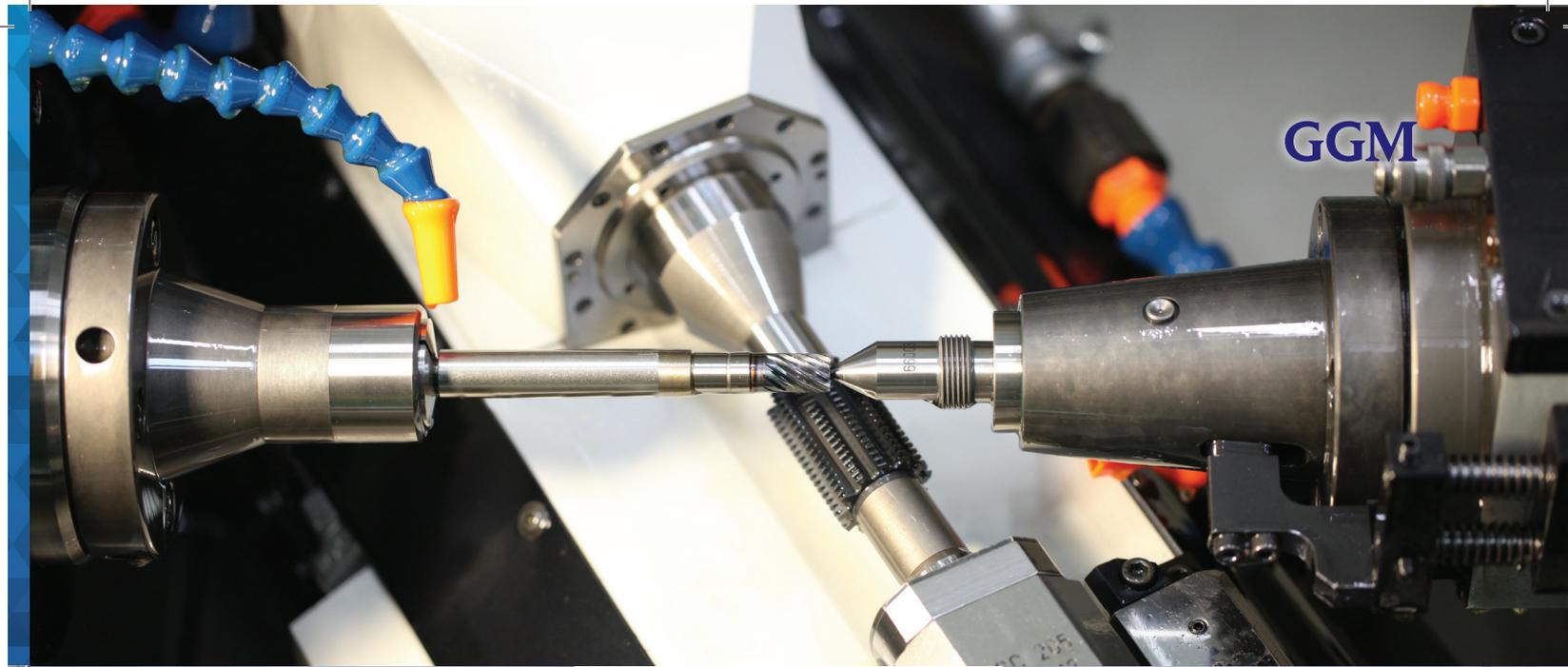
**Creative**

We aspire for a better future  
through creative thinking



**Product**

We manufacture products  
that come from our hearts



We work as **one team**

We aspire for a better future  
through **creative thinking**

We manufacture products  
that come from **our hearts**

Our quality is our source of **pride**

We fulfill our responsibility with **honesty**



**Product inquiry and  
request for price quotation**

Homepage ([www.ggm.co.kr](http://www.ggm.co.kr)) →  
Customer Support → Enter basic  
information in "Online inquiry" or  
"Online estimate"

**After sales service inquiry**

Small DC/Standard DC/Shaded Pole Motor  
(Headquarters/No. 1 factory)

**Address** (14731) 22, Gyeongin-ro  
3beon-gil, Bucheon-si,  
Gyeonggi-do, Republic of Korea

**Tel** +82-32-664-7790  
(Dir +82-32-657-1290)

**Fax** +82-32-611-7791

Standard AC/BLDC Motor (R&D center/  
No. 2 factory)

**Address** (14524) 180, Oksan-ro,  
Bucheon-si, Gyeonggi-do,  
Republic of Korea

**Tel** +82-32-684-7791  
(Dir +82-32-657-1290)

**Fax** +82-32-673-7793