



SEAL IS SOMETHING · QUALITY IS EVERYTHING

GMORS[®]

Seals to your heart

COMPANY PROFILE

About GMORS Group

Rubber Sealing Components Manufacture

Company Name: Ge Mao Rubber Industrial Co., Ltd.

Brand Name: GMORS

Enterprise: Privately Owned

Year of Establishment: 1986

Employees: Around 2,700 people (Y2024)



Global Team Locations

More Than 300 Customers In The Worldwide !



Area Proportion

- Asia: 25%
- Europe: 36%
- North America: 39%

Sales Percentage

10% for Local Business
(Taiwan and Thailand)
90% Exports to Global
Markets.

Manufacture Plants

- TAIWAN (Headquarters)
- CHINA
- THAILAND

Manufacture Locations



GMORS Taiwan (Headquarters)

- Built in February 1999
- **Factory Land Size:**
31,390 m² (No.2 Factory Land Size:14,200m²)
- **Employees:**
Around 820 people
- **Compression Molding Machine:**124



GMORS China

- Built in September 2001
- **Factory Land Size:** 34,000 m²
- **Employees:**
Around 830 people
- **Compression Molding Machine:**110



GMORS Thailand

- Built in April 2012
- **Factory Land Size:** 32,402 m²
- **Employees:**
Around 1250 people
- **Compression Molding Machine:**160



Applied Seals

- Built in April 2005
- **Factory Land Size:** 3,236.1 m²
- **Employees:**
Around 114 people
- **Compression Molding Machine:**15



GMORS Group Quality System

- ISO 9001:2015 **TW CN TH**
- IATF 16949:2016(BSI Quality System) **TW CN TH**
- ISO 14001:2015 **TW CN TH**
- ISO 45001:2018 **TW TH**
- ISO 14064-1:2018 **TW**
- TAF(ISO/IEC 17025:2005 Laboratory System) **TW**
- ISO 13485 (Medical Industry Non-implantable Approved) **AS**
- AS 9100 (Aerospace) **AS**



Global Company



Mexico

Peru

Indonesia

India

Korea

Taiwan

Brazil

China

Singapore

Colombia

Japan

Vietnam

Ecuador

Turkey
































Thailand

Taiwan

Philippines

Thailand

Production Materials Supplier

Fluoro Elastomers(FKM)			
Nitrile (NBR, BUNA-N)			
EPDM			
HNBR (Highly Saturated Nitrile)			
Silicone			
FFKM			
Fluorosilicone(FVMQ)			
Vamac			
TPU			
XNBR			
PU (Urethane)			
Polyacrylate (PA)		A Full Range of Elastomeric Materials from Leading Suppliers, Over 1000 Compounds and still keep researching!	
Neoprene (CR)			
Nylon/TPEE/POM			
AFLAS® (FEPM)			
ECO (Epichlorhydrin) (Hydrin)			
TPE			
PVC			
TPV			
IIR			

All of our products fully comply with RoHS and Reach SVHC



Products



Standard Parts

Customized Molded gasket / parts

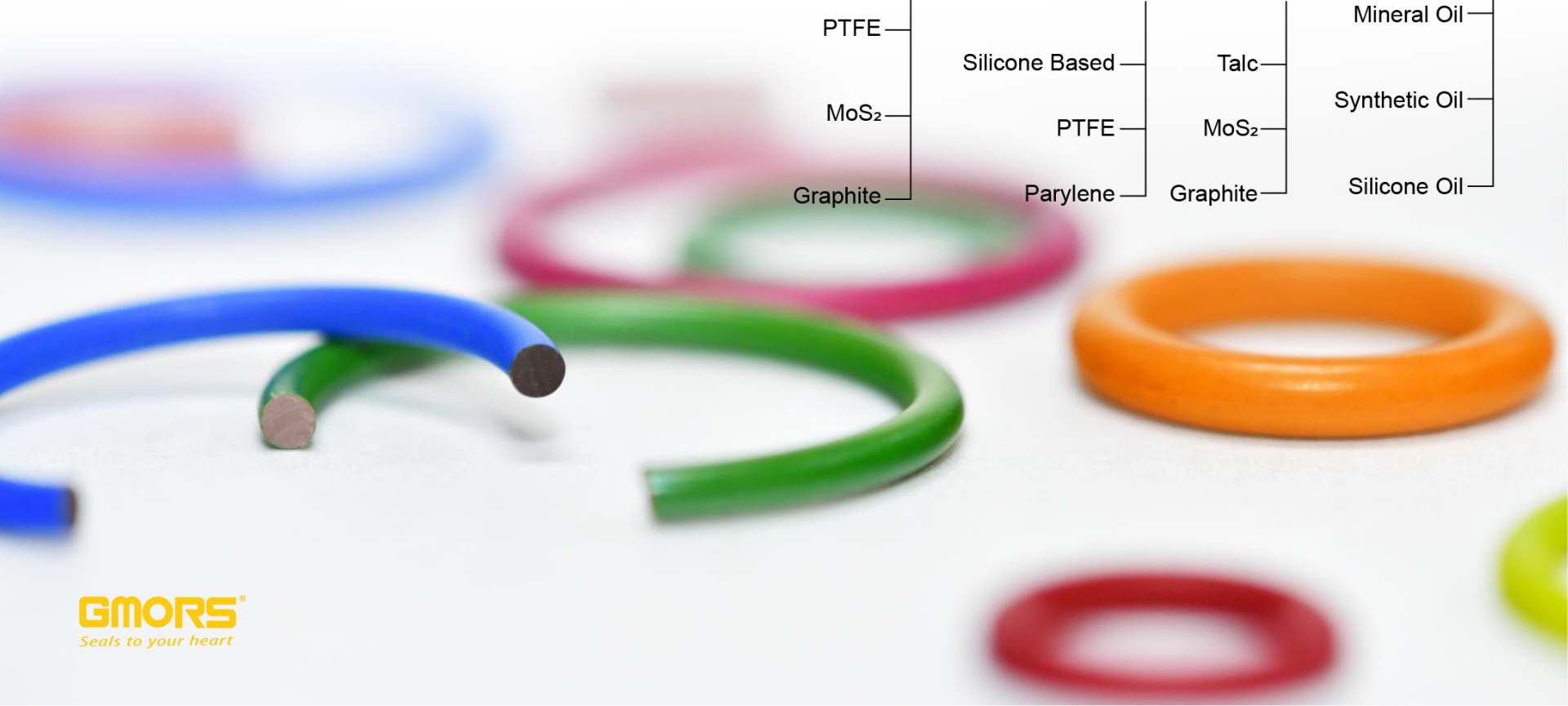
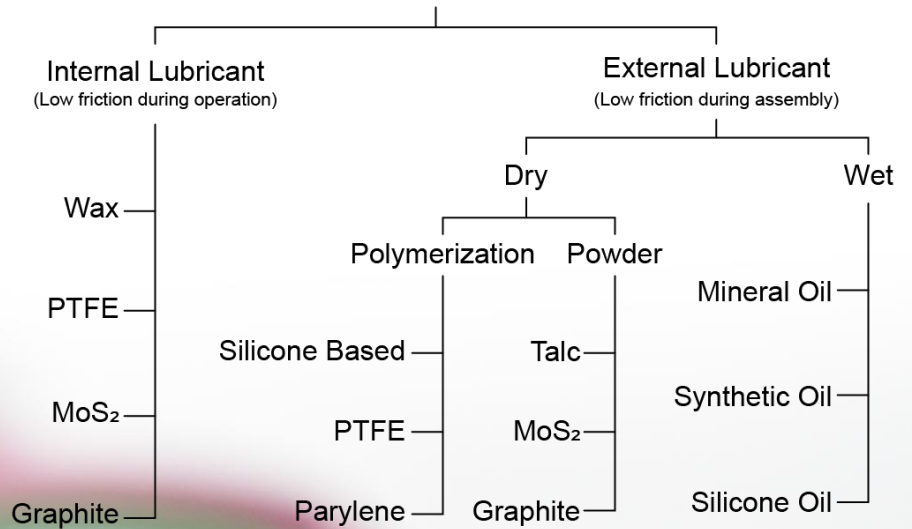




Coating Process

In GMORS's coating process, we dedicate to provide a functional coating without negative influence to sealing characteristics.

Categories of Lubrication for Rubber parts





Aerospace Seals

AFNOR Certification:
AS9100:D / JISQ 9100:2016 / EN 9100:2018

Window Seal Gasket



Rubber Gasket



Pressure Seals



Rubber Cushion





Rubber Bonded Components

Rubber is commonly seen in sealing industry due to its elastomeric characteristics. However, in some working environment, what we need is not only rubber itself but also other auxiliary material, to withstand long-term usage. Either through chemical bonding or mechanical bonding, GMORS is experienced to provide customer the best adherence of metal to rubber with professional skills.

By bonding rubber with plastic, the stiffness of plastic provide solid constructive support to the rubber part, but lighter and cheaper than metal.

Besides, people may bond rubber with PTFE for its chemical inert property to prevent failure in corrosive chemicals.



Precision Machining Part
Steel



Precision Machining Part
Aluminum



Precision Machining Part
Brass



Screen gasket



Stamping Part Bonded
seal / Washer



Stamping Part Metal
bonding gasket



Diaphragm
fabric-reinforced, metal-bonded or with PTFE adherence



Hydraulic and Pneumatic Seals

Hydraulic and pneumatic seals may look similar in appearance, but they are designed with very specific applications in mind. GMORS hydraulic and pneumatic seals are made of various elastomers such as TPU, NBR, FKM and HNBR, and the seals are designed to perform to expectations in accordance with user specifications.

Pneumatic Seals



Hydraulic Seals



TAF (ISO/IEC 17025:2017) :
Material Test Report certified More
Than 60 Countries.

Lab Equipment List

Optical Microscope	1	Ozone Tester	1
Oil Bath	1	Low Temperature TR10 Tester	1
PH Value Tester	1	Low Temperature Brittleness Tester	1
Oven	13	Durometer Tester (IRHD & Shore A)	1
Constant Temperature Chamber	1	Compression Set Tester	20
Kneader	1	Friction Test	1
Open Mixer	2	Digital 3D Microscope	1
Compression Machine	1	non-stirred Pressure Reactor	2
TGA (Thermogravimetric Analyzer)	1	Salt spray Tester	1
Rheometer	1	FT-IR	1
Tensile Strength Tester	2	Air Plasma	1
Specific Gravity Tester	2	Differential scanning calorimetry	1



Special Certificates of Compound



Oil & Gas

NORSOK M-710 / ISO 23936
(Rapid Gas Decompression)
FKM 90 / HNBR90 / FFKM 90

NACE TM0297 (Rapid Gas Decompression)
FKM 90 / FFKM 90

Total EP PVV 142 (Rapid Gas Decompression)
FKM 90 / HNBR 90

API 6A (H₂S Sour Gas Resistance)
FKM 75 / 90 / 95 / HNBR 90 / FFKM 90

DIN EN 549 (Gas Appliances, gas equipment)
NBR 50 / 60 / 70 / 85 / 90 / HNBR 70 / FKM 75 / 80

UL Listed

UL 157 (Standard for Gaskets and Seals)
FKM 70 / 75 / NBR 50 / 70 / 80
FLUROSILICONE 70 / CR 70

UL 1238 (Standard for Control Equipment for Use
with Flammable Liquid Dispensing Devices)
FLUROSILICONE 30



WRAS (UK Drinking Water)
EPDM 60 / 70 / 80 / 90 / NBR 70 / 80

W270 (DVGW)
(Germany Drinking Water-Microbial Testing)
EPDM 70

NSF 61 (USA Drinking Water)
NBR 70 / EPDM 60 / 70 / 80 / HNBR 70 / 75 / 80 / 85
FKM 65 / 70 / 75 / 80 / SILICONE 40 / 50 / 60 / 70 / 80

NSF 42 (USA Drinking Water)
NBR 70

UBA (KTW) (Germany Drinking Water)
EPDM 70

AS/NZS 4020 (Australian Drinking Water)
EPDM 70 / NBR 70

ACS (France Drinking Water)
EPDM 60 / 70

Medical Grade

USP VI (USA Biological Reactivity Test)
FKM 70 / EPDM 70

Development Team and Application Team

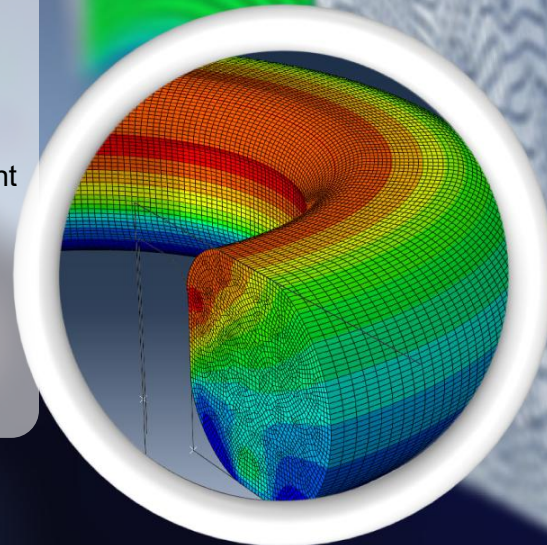
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Development Team

- Design proto/production molds for productivity
- Specific team to run trial production and setup production parameters
- Laboratory analysis and Testing capabilities
- Compound design and Development

Application Team

- Customer product application development cooperation case
Using FEA simulation analysis to reduce development costs and time
- Cooperate with reverse design of mechanism
- Product design and evaluation
- Customer product application abnormal handling.





Professional Tooling Design

GMORS tool shop have accurate and professional facilities to offer various and customized possibility for your tools.

Use O-Ring as example, the dimension range is follows:

Smallest 0.50 mm ID x 0.40 mm CS

Largest 1600.00 mm ID x 50.00 mm CS

Infinite Size O-Ring

Via our sectional curing process, the largest O-Ring size will no longer constricted by machine or mold.

Inside Diameter(ID):

800mm – Unlimited

Cross-Section(CS):

3.0	3.53	4.0	4.5	5.0	5.33	5.5	5.7	6.0	6.5	6.99
7.3	7.5	7.7	8.0	8.4	8.5	9.0	9.5	10.0	11.0	12.0
13.0	14.0	15.0	15.8	16.0	18.0	19.0	25.0	28.0		



Quality Control

In-Process Quality Control

First Sample Inspection / Final Sample Inspection Prevent Defective Parts From Going To The Next Stage

Measuring Equipments :
Micro-Vu 3D Dimensional Inspection Systems
KEYENCE Image Dimension Measurement System

Statistic Tool :
SPC (Statistical Process Control)
Minitab (6 Sigma Statistic Tool)



QC Final Auto Inspection

Auto Visual Inspection System 100% Both Sides Surface and Dimension Inspected, Quality Guarantee by Machines

Capability of auto inspection machine :

O-Ring size range :

OD: 3-90mm / Height: 0.8-10mm

(Flash Residue: Inspection standard according to ISO 3601-3 N,S,CS grade)



QC Final Visual Inspection

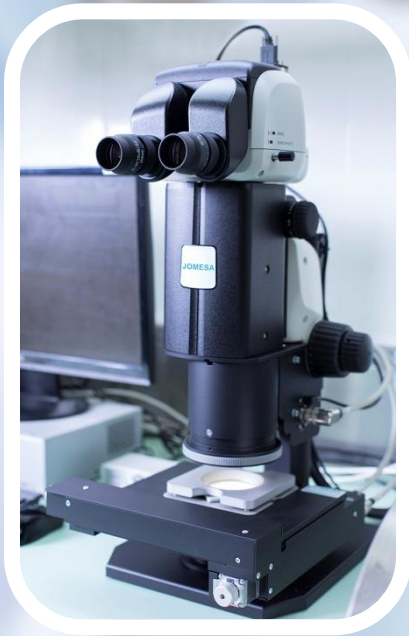
Industrial Grade: 100% Visual ONE Sides Surface.

Automotive part with PPAP: 100% Visual BOTH Sides Surface or Automatic machine Inspection

Customer Quality Acceptance Level In Accordance To The Definition of Quotation.

Cleanliness of Components

GMORS Group have various cleanroom class for corresponding market needs. Weekly check of particles amount to ensure cleanliness level in clean room.



JOMESA
Cleanliness Analysis

Customer Special Requirement - Cleanliness of components CCC=A(D 14 / E 12 / F 9 / G6 / H 3 / IJK 00)

Code	Particle Size	Contamination Level	Number of particles per	
			More than	Up to (include)
D	25-50	14	8,000	16,000
E	50-100	12	2,000	4,000
F	100-150	9	250	500
G	150-200	6	32	64
H	200-400	3	4	8
I	400-600	00	0	0
J	600-1000	00	0	0
K	>1000	00	0	0

Excellent Software Support

- Manage and standardize product manufacturing standards, parameters, and quality documents for consistency and traceability.
- Create a product knowledge base for design and development.
- Control and record all processes of product development from R&D to mass production.
- Effectively manage the product design and development process.

PLM Link
(Product Life Cycle Management)

SAP ERP

MES

- Establish common processes for sales, purchases, inventory, production, and finance to support operations.
- Create an integrated information system for accurate and timely reporting.
- Enable data-driven decision making to respond to changes in the business environment.

Aim at production process, MES provide real-time supervision, track every production scope accurately, decrease human mistakes and increase production efficiency .

EDI
Electronic Data Interchange

In November 2019, GMORS established a B2B Electronic Data Interchange (EDI) platform in support of customer electronic data exchange. This will save transaction processing time for both parties and enable exchange process verification and data security. We welcome customers who are interested in our EDI services to contact our customer support representatives.



Thanks for your time.

O-Ring Master



Android



iOS



Material Master



Android



iOS

