

Compressors

Mayekawa's MYCOM Compressors have been designed with extreme durability and reliability. Their performance is backed by our global engineering team with countless years of industry experience.

Displacement: approx. 40 to 18,000 m³/hr, 20 to 10,000 CFM

Screw Compressor

Oil flooded screw with high reliability under severe conditions. There are more various models than the commonly used models shown below:

- **Long time best sellers- UD & V Series**

Flagship model widely used for its applications across various industries with a reputation for excellence

- **Two stage compound- C Series**

Two-stage compressor compounded in one casing for single driver and single lube oil system

- **High pressure- GH Series**

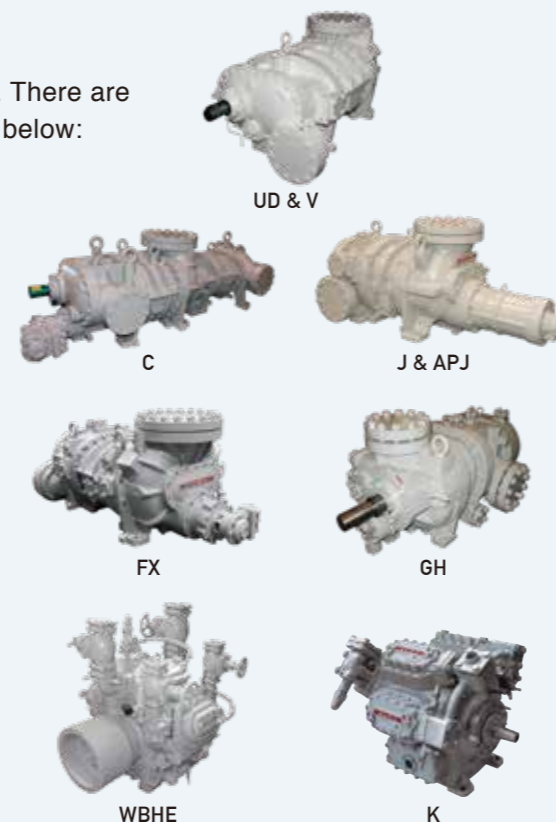
High pressure with high efficiency due to a newly developed rotor profile

- **Advanced oil flooded- FX Series**

Maximized reliability of oil flooded screw compressor with separated lubrication and injection

- **New generation- J & APJ Series**

Premium efficiency with the new rotor profile



Reciprocating Compressor

High efficiency with high cost performance
Many models/sizes are available for each application

Typical Gases Handled *These gases vary depending on the model

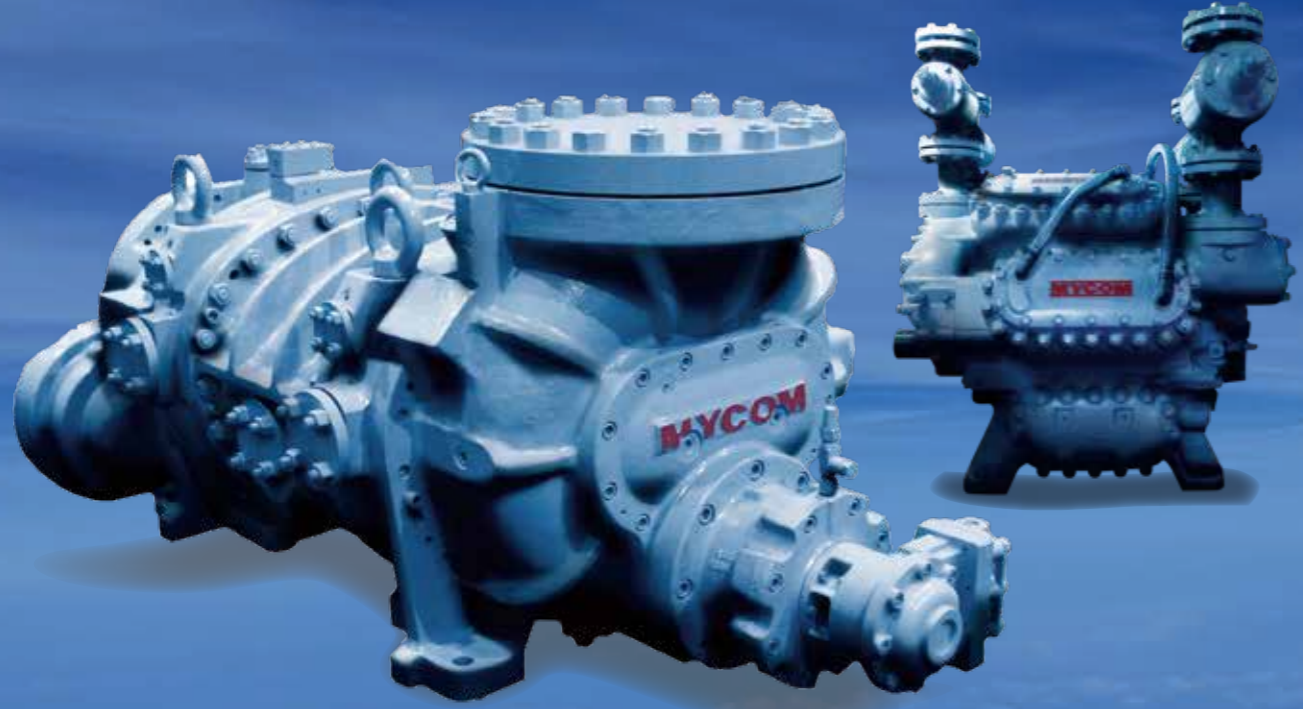
Mayekawa has spread application of oil flooded screw compressor mainly and it has always been leading the its technology in the market.

Hydrocarbon Gas	Mixture with H ₂ S, Refinery Off-Gas, Associated Gas, Natural Gas, Coke Oven Gas, Bio Gas, Landfill Gas
Raw Material Gas	Methyl Chloride, Hydrogen Chloride, Vinyl Chloride, Chlorine
Industrial Gas	Hydrogen, Helium, Nitrogen, Carbon Dioxide
Refrigerant	Natural Refrigerant (Ammonia, Propane, Propylene, Butane, Pentane, etc.), HCFC, HFC, HFO

GAS
COMPRESSION &
PROCESS
REFRIGERATION
for Oil & Gas and Chemical

For almost a century, Mayekawa has been growing with the customers

With over 120,000 compressors delivered, Mayekawa has paved its way into various industries from food to energy and Oil & Gas. For almost a century, Mayekawa has been dedicated to improving its delivery of solutions to the world by building a worldwide network. Through this dedication and contribution to the customer and the market, Mayekawa's own "MYCOM" brand compressor has grown to become one of the most renowned brand of compressors in the world. MYCOM compressors have been serving Oil & Gas and Chemical markets for various applications, from standard packages to custom design-build packages that must meet rigorous quality and performance requirements.



● Plants
● Offices






Worldwide Network | Over 100 offices, including 7 production sites, in more than 40 countries, with over 60 additional offices and 3 production sites in Japan

Mayekawa's strategically placed sales, engineering and manufacturing facilities support the customer's business locally. Each local facility is in close communications globally with one another, so that solutions can be delivered quickly and efficiently from anywhere in the world.

- Production Site**
- Moriya Plant [Japan]
 - Higashihiroshima Plant [Japan]
 - Saku Plant [Japan]
 - Changwon Plant [Korea]
 - Chennai Plant [India]
 - Belgium Plant [Belgium]
 - Torrance Plant [U.S.A.]
 - Nashville Plant [U.S.A.]
 - Cuernavaca Plant [Mexico]
 - Aruja Plant [Brazil]

- Main Offices for Oil & Gas and Chemical**
- Tokyo/Moriya [Japan]
 - Seoul/Yeosu [Korea]
 - Singapore [Singapore]
 - Jakarta [Indonesia]
 - Bangkok/Rayong [Thailand]
 - Zaventem [Belgium]
 - Milano/Bologna [Italy]
 - Dubai [UAE]
 - Al Khobar [Saudi Arabia]
 - Houston/Torrance [U.S.A.]
 - Mexico City [Mexico]
 - Sao Paulo/Rio de Janeiro [Brazil]

HISTORY | Timeline of key compressor development and main office establishment

<p>1924 Kisaku Maekawa founded Mayekawa & Co. in Tokyo Japan</p>	<p>1934 Commenced production of vertical reciprocating compressors</p>	<p>1961 Established "MYCOM" for brand</p> <p>High-speed Multi-cylinder type</p> 	<p>1964 Established the Mayekawa's first overseas subsidiary company in Mexico</p>	<p>1966 Screw series</p> 	<p>1967 Mayekawa USA</p>	<p>1968 Mayekawa Brazil</p>	<p>1971 Mayekawa Europe (Belgium)</p>	<p>1973 Helium screw compressors</p>	<p>1974 Two-stage and Compound type</p>	<p>1977 Hydrogen chloride screw compressors, Hydrogen screw compressors</p> 	<p>1981 Mayekawa Singapore</p>	<p>1984 Mayekawa Korea</p>	<p>2003 GH series</p> 	<p>2011 Mayekawa Italy</p>	<p>2013 FX Series</p> 
				<p>Market Entry Chemical and Pharmaceutical Industries</p>				<p>Oil & Gas and Petrochemical Industries</p>				<p>Offshore Oil & Gas Industries</p>			

Mayekawa's Applications



UPSTREAM

- Wellhead compressor
- Injection compressor
- Vapor recovery compressor(VRU)
- Gas gathering compressor



MIDSTREAM

- Gas booster compressor
- VOC compressor
- Dew point control chiller
- Tank BOG compressor
- Fuel gas booster
- Dehydration chiller



DOWNSTREAM

- Off-gas compressor
- Synthetic gas compressor
- COG compressor
- Process gas compressor
- Process cooler / liquefaction system
- Gas turbine / engine booster
- Gas / liquid transfer compressor
- PSA / membrane / reformer compressor
- Process gas recovery / purification system
- Bio / landfill gas compressor

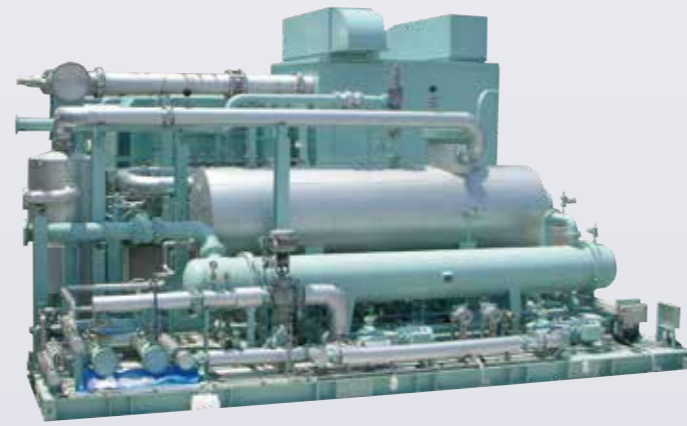


CONSUMERS

- Brine / water chiller
- Reboiler / Dry-up process heat pump
- Gas turbine air intake cooler
- Gas engine driven compressor / refrigerator
- Explosive storage house



Flare recovery compressor - Saudi Arabia
200M / 700kW



Crude oil tank VOC recovery compressor and chilling system - Japan
400XL / 1500kW, 250L / 600kW



Process gas chiller - Malaysia
250L / 1560kW



Brine chiller - Malaysia
160L / 130kW

*Model / Motor



Vapor recovery compressor - Vietnam offshore
3225MMC / 600kW



LNG BOG compressor - Turkey
400S / 830kW



Gas chiller - Africa
4032XLLLC / 2400kW



PSA compressor - Russia
400L / 1320kW



NH₃ BOG system - Morocco
160M / 130kW



NH₃ recovery / Purification plant - China
2520SSC / 280kW

Unique Technologies with Natural Refrigerant



NH₃/CO₂ refrigerant



Air cycle system for ultra low temperature, Ne Brayton cycle cryocooler



CO₂ Heat pump-hot air / hot water supply



Gas turbine booster - Nigeria
GH250S / 550kW



LPG transfer compressor - Mexico
6HK / 45kW

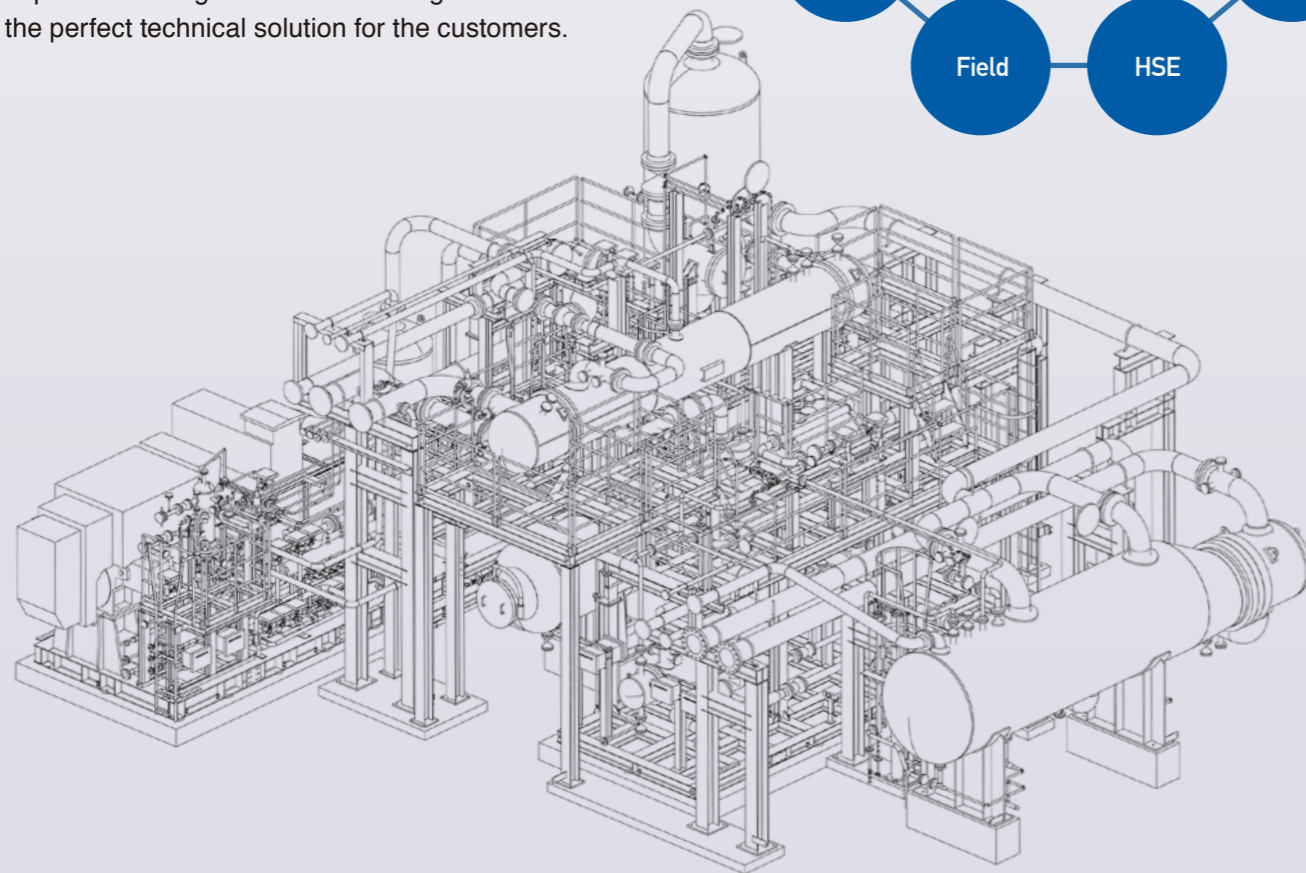
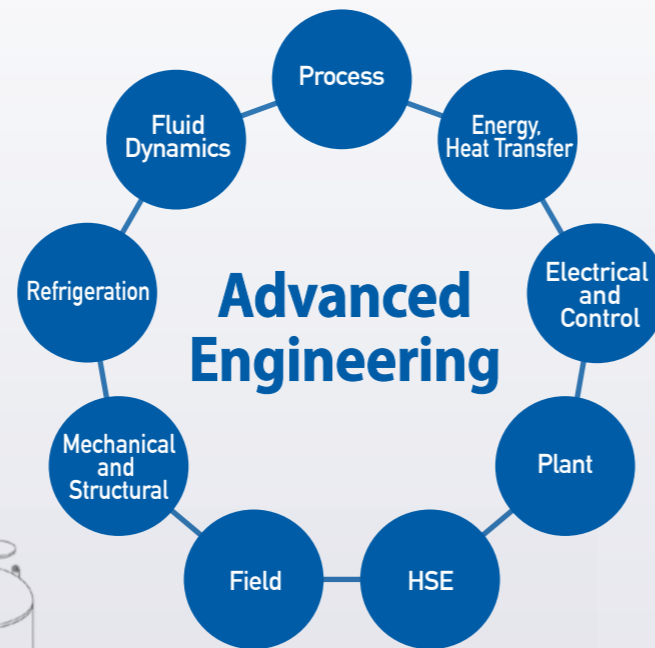


CO₂ liquefaction plant - Korea
200S / 230kW

Full Technical Support for the future of the customer beyond projects and equipment

Engineering

As the Original Equipment Manufacturer (OEM) of "MYCOM" compressors, Mayekawa provides robust design and engineering services for the packages and systems with controls that maximize their performance and reliability. Mayekawa's own R&D and engineering tools such as fluids, structural analysis program and 3D-modeling are utilized to complete the design process on everything from individual components like heat exchangers, to an entire system like plant engineering. The Mayekawa engineering team works closely with the clients from feasibility studies through to project completion. Mayekawa has a deep pool of experienced engineers across the globe to find the perfect technical solution for the customers.



Code & Standard

Mayekawa's global experience made it possible to apply world's major code and standard on its products (i.e. API619, other APIs, ASME, TEMA, PED, ML, EAC, ANSI, DIN, JIS, IEC, ATEX, etc.).

Manufacturing & Quality Control

Using automated design systems like 3D-modeling, Mayekawa can apply both advanced fabrication techniques as well as the 100 years of industry leading experience to the equipment manufacturing process, ensuring shorter delivery times and a high standard of quality in all of products. Due to the strategically placed production sites around the globe, Mayekawa can assemble packages and manufacture compressors nearby no matter where the clients are located. Mayekawa applies standard international quality controls based on ISO9001 and other international codes as applicable. Special test & inspection processes and documentation are also available options for customers upon request.



R&D

Mayekawa continuously researching and developing advanced methods and technologies to better serve the customers while global markets shift towards putting a higher emphasis on sustainability and environmental stewardship. Mayekawa is constantly searching for ways to improve basic and system technologies beyond just compressor technology, while exploring new and exciting natural refrigerants as a way of reducing the industry's effect on the environment.



Customer Service

Mayekawa offers its clients local access to on-site and off-site repairs, parts, maintenance, overhauls, and start-up and commissioning support for both onshore and offshore applications. Mayekawa's well trained localized service teams are on call and ready to quickly provide support to each and every customer.

Standard spare parts are stocked in factories but in and sales offices not only to minimize the customer's waiting time, but also to reduce customer's inventory.

Mayekawa's service team offers predictive maintenance services such as machine and process analysis, and technical support for system optimization. To support customers further, on-site & off-site training programs are offered for both hands-on work like maintenance and overhauls, and theoretical study like refrigeration theory. Special programs like the VIP Programs (monitored storage of spare compressor) and Compressor Remanufacturing Program are also options.

