

KAISHAN Greater China

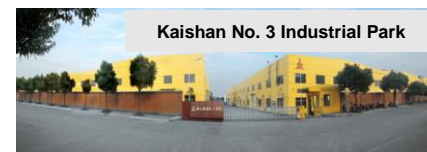
Kaishan No. 1 Industrial Park



Kaishan No. 2 Industrial Park



Kaishan No. 3 Industrial Park



Kaishan No. 4 Industrial Park



Kaishan Shanghai Lingang Industrial Park



Kaishan Chongqing Industrial Park



Kaishan Guangdong Ganey Industrial Park



Manufacture/R&D Base (CHINA)

In China, Kaishan Owns:

- Shanghai General Technology Institute: Compressor R&D Center of Technology leading
- Kaishan No.1 Industrial Park: The largest air compressor manufacturing base in China;
- Kaishan No.2 Industrial Park: The leading drilling manufacturing and designing base for Kaishan heavy machinery.
- Kaishan No.3 Industrial Park: High-level energy equipment manufacturing base;
- Kaishan No.4 Industrial Park: Advanced, Energy-saving and environment-friendly foundry base
- Shanghai Lingang Industrial Park: New product and Aired manufacturing base;
- Chongqing Industrial Park: Western manufacturing center and fluid machinery R & D Center
- Guangdong Ganey Industrial Park: Southern China manufacturing center, single screw and vortex machine R & D Center

Assets Value

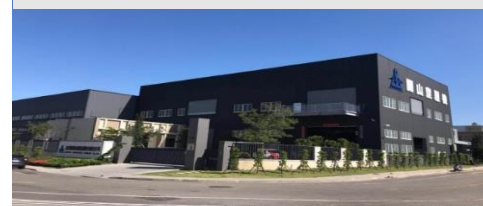
(before 31st, Dec. 2019 USD)

- Annual Revenue :US\$0.9Billion
- Assets Value:US\$6.0 Billion
- Land area:780,000 square meters
- Building Area:430,000 square meters

Human Resources

- 4500 + employees:
- 360+ oversea employees

Taiwan Kaishan Compressor Company, Taizhong



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KAISHAN OVERSEA



KAISHAN COMPRESSOR USA, LLC.
Loxley, Alabama



Kaishan North-American R&D Center, Seattle. USA



LMF Industrial Park, Vienna



KAISHAN Australia, Melbourne



KAISHAN Poland sp.ZO.O. ul Słowikowskiego 8105-090 Raszyn Poland

Global Manufactures and R&D (oversea area)

- Seattle : Kaishan R&D center of US
The top compressor and fluid R & D Center
- Vienna&Shanghai: LMF : The advanced manufacturing and R & D center based on high pressure reciprocating and axial flow technology
- Melbourne: KAISHAN Australia Company Oceania manufacturing and marketing base
- Mumbai: KAISHAN Machinery India
- Mobile: Kaishan American Plant
The important R & D and sales center in North America



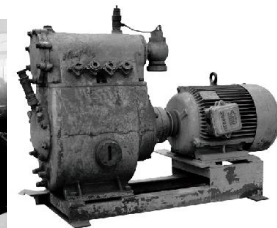
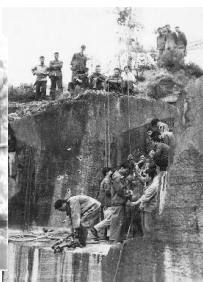
THE WAY OF KAISHAN

Kaishan has been operating for 62 yrs, having been transformed from its humble beginning as Quxian General Machinery Factory, Quxian Agricultural Machinery Repair & Manufacturing Factory, Quzhou Rock Drilling Factory, Zhejiang Kaishan Compressor Co.,Ltd, to its current Kaishan Holding (Group) Co., Ltd. Today Kaishan is the largest manufacturer in China, and is recognized as a Top 100-company in the machinery industry in China.

42 years of experience as Air compressor Manufacturer

In 1973, YO-15 Portable Pneumatic Rock Drill was successfully developed;
In 1976. Successfully development HP1.5/5 sliding vane Water-cooled Air compressor;

The above products were awarded Class II Prize under China's Spark Program in 1992



1956
黄岩股份：合营新金铁工厂
创建于1956年。
Founded in 1956, New Factory Jointly
Operated by Public and Private Funds.

1978

成功开发我国第一等小型空气压缩机。
更名为衢州蓝包机械厂。
Renamed Quzhou Blue Bag Machinery Factory.

1994

完成股份制改造，成立浙江开山股份有限公司。
Zhejiang Kaishan Co.,Ltd incorporated following
Share reorganization.

1998

完成股份制改造，改制为民营企业股份有限公司。
Control of Zhejiang Kaishan Co.,Ltd Ceded to Private
entrepreneurs.

2001

成立开山集团。
Establishment of Kaishan Group in 2001.

2002

浙江开山压缩机股份有限公司成立。
Incorporation of Zhejiang Kaishan
Compressor Co.,Ltd.

2005

开山集团整体搬迁完成，迁址至衢州经济开发区
蓝包工业园。
Moved to No. 1 Kaixuan (lv) Road, Quzhou Economic
Development Zone (HQ office)

2006

— 上海临港工厂建成投产。
— Kaishan Lingang Factory was completed and
put into operation.
— 成功开发拥有专利的螺杆技术。
— Owned Core Technology of Screw Aired.

2009

北美研发中心在美国西雅图成立。
Establishment of Jersey North America
R&D Center in Seattle, USA.

2011

— 成立台湾开山压缩机有限公司。
— 在台湾证券交易所正式挂牌上市。开山股份股票代码：
300257。
— Establishment of KAISHAN COMPRESSOR (TAIWAN)
CO., LTD.
— Were listed on Shenzhen Stock Exchange Stock
code:300257 KAISHAN Shares

2012

— 成立开山通用机械研究院。
— 收购澳大利亚SCCA公司，完成了布高海外市场的布局
一步。
— 推出有机硅超绝环保螺杆空压机和天然气/丙烷螺杆膨
胀发电机。
— Establishment of Kaishan General Machinery Institute.
— Acquisition of SCCA in Australia.
— Developed ORC Expander & Screw Steam Expander.

2014

公司研发的两级压缩螺杆机列入《国家重点节能技术
推广目录》。
The two-stage Screw compressor was listed into
catalogue of national key energy-saving technology.

2015

— 在美国佛罗里达州成立开山科技股份有限公司。
— 入选国家发改委和澳大利亚工业部“双十佳”企业。
— Set up Kaishan Technologies of America LLC in
Florida, USA.
— listed in the "Double Top 10" lists of MOC/National and
the ministry of industry of Australia.

2016

— 成立KS ORKA 公司，专注于地热能源开发。
— 收购奥地利LMF Unternehmensbeteiligungs GmbH
公司。
— Set up KS ORKA Renewables Pte., Ltd., focusing on
geothermal new energy development.
— acquisition of Austria LMF Unternehmensbeteiligungs
GmbH.

2017

— 新一代单级压缩螺杆空压机通过整机整机产品检测
标准并颁发《产品认证证书》，再次引领能效
大升级。
The new generation of single-stage compressor
screw air compressor has been approved and issued the
Certificate of Product Characteristics by the
Hefei General Machinery Products Inspection
Institute.

— 位于阿拉巴马州的美国总部和制造基地开始建造。
— 开山启动SAMP项目并获得印尼电力局的批准，允
许发电并网。
— Contracted US Headquarters and manufacturing
Factory of Kaishan Group in Alabama, USA.
— The Indonesian SAMP project was approved by the
Indonesian electric power authority, allowing power
generation to connect to the grid.



Full Series Product list (1)

世界一流的研发制造能力及行业地位



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KAISHAN PRODUCT FAMILY

- Rotary Screw Compressor (including Permeant Magnetic)
- Portable Compressor
- Process Compressor (Gas & Chiller Compressor)
- Reciprocating Compressor (High Pressure & PET)
- Scroll Compressor
- Centrifugal Compressor
- Vacuum Pump
- Screw Blower
- Oil-Free Compressor
- ORC Expander & Steam Expander
- Piston Compressor

Others

- Hydro Drilling
- Infrastructure Equipment



Screw Compressor & Vacuum Pump ,Screw Blower



Product Series:

- KRSB & KRSD
- KRSP & KRSP2
- PMV & PMV2
- KRSA2
- KRAM (LGCY)
- KRSL
- KRST
- KRSH
- KRVS
- JNb

-
- K – KAISHAN
 - RS-Rotary Screw
 - B- Belt Drive
 - D-Direct Drive
 - P-Premium
 - 2-Two Stage
 - A- Advanced
 - L-Low pressure
 - H-High Pressure
 - T – Two Tank
 - V-Vacuum Pump
 - JNb - Blower

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Portable Compressor With Engine or Motor

LGCY Series

Including Single Stage & Two Stage Model



Single Stage:

FAD: $6\text{m}^3/\text{min} \sim 65\text{m}^3/\text{min}$
 $210\text{cfm} \sim 2300\text{cfm}$
Pressure: 4.5bar~18bar

With Engine brand (Tier III)

- Yuchai
- DF Cummins
- Xichai

75HP ~ 550HP

Other special requirements

Noted:

any special requirements, Please contact with Distributor or Sales

Two Stages:

FAD: $12\text{m}^3/\text{min} \sim 43\text{m}^3/\text{min}$
 $420\text{cfm} \sim 1500\text{cfm}$
Pressure: 14bar~35bar

With Engine brand (Tier III)

- Yuchai
- DF Cummins
- CAT
- CQ Cummins

160HP ~ 700HP

Other special Requirement



Centrifugal Compressors

离心式压缩机

100% OIL FREE



Range:

Multistage:

40~800 m³/min

1.8~2.0barg

Single Stage:

80~850m³/min

0.6~1.7barg

Model

Multistage

T600

T1000

T1500

T2000

T3000

T4000

T6000

Single Stage

T1000L

T1500L

T2000L

T3000L

T6000L



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Screw Steam Expansion Generator

ORC Screw Expansion Power Station

螺杆式蒸汽膨胀发电机 有机朗肯循环螺杆膨胀发电站

发展新能源 提高能源使用效率

余压发电

具有一定压力和温度的气体直接进入螺杆式蒸汽膨胀机工作腔，气体在其工作腔内膨胀驱动转子旋转输出膨胀功。



Screw expander type	Available heat source
ORC type	Low-pressure steam <ul style="list-style-type: none">• Hot water, hot water steam• Smoke (converted to conduction oil or steam)• Other thermal fluids
Steam type	High-pressure steam

- Special Application for different working conditions
- Any demand, please consult professionals of Kaishan



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Dry Screw Compressor for
Petroleum, Petrochemical, and Natural Gas Industries

[石油、石化及天然气工业流程用]

干式螺杆压缩机组

容积流量

600~64000 Am³/h

工作压力

0.2~2.0 MPa



Gas Species:

- Coke Oven Gas
- Coal Gas
- Natural Gas
- Coalbed Methane
- Biogas
- Ethylene
- Styrene
- Blast-furnace Gas
- Butadiene
- Acid Hydrocarbon
- Vapor Reclamation
- Steam
- Destruction Producer
- Nitrogen
- Acetylene
- Lime-kiln Gas
- Hydrogen
- Carbon Dioxide
- Flare Gas
- Ethane
- Propylene
- Propane
- Ammonia
- Chlorine
- Carbon Monoxide
- The Exhaust Gas of Viscosity Breaking Furnace

Flooded Screw Compressor for
Petroleum, Petrochemical, and Natural Gas Industries
喷油螺杆压缩机组



Semi-hermetic Screw Chiller

半封式螺杆制冷机组

制冷剂

R22、R134a、R404A、R502、
R507、R245fa等

容积流量

142~1316 m³/h



Suitable for the following refrigerants:

- R717
- R22
- R134a
- R404A
- R410A
- R502
- R507R245fa
- R290
- R1270 and so on

Open Drive Screw Chiller

开启式螺杆制冷机组



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Reciprocating technology



LMF high-end reciprocating technology

Brand:



Since Y1850

Foundation as an iron foundry by Josef Berger

Application for

- Petrochemical & Refinery
- Seismic Research
- Gas Transportation, Storage, Power
- Pipeline Evacuation
- Industrial Application
- PET
- Bio-Methane
- Natural Gas Vehicle



Oil-free Screw Compressor will be released
at Kaishan Compressor USA,LLC. Loxley, Alabama



Manufacturing Facility





Bore diameter (mm)

Outdoors Equipment:

- Outdoors Split DTH drill rig KG & KW Series 80~350
- Outdoors Integrated DTH drill rig KT Series 80~203
- Outdoors Hydraulically drill rig KL Series 64~127

Underground Equipment:

- Hydraulically driving drill KJ Series
- Hydraulically rock bolting jumbo KM Series
- Hydraulically scaling jumbo KQ Series
- Hydraulically Deep-hole jumbo KS Series
- Underground drilling rig KQS Series

New Products will be launched:

- Hydraulically Tunneling jumbo
- Outdoors Hydraulically drill rig
- Outdoors Integrated DTH drill rig
- Foundation pit anchoring drill rig

