

**China Vacuum Pump Industry Report,  
2015-2018**

**Mar. 2015**

## STUDY GOAL AND OBJECTIVES

This report provides the industry executives with strategically significant competitor information, analysis, insight and projection on the competitive pattern and key companies in the industry, crucial to the development and implementation of effective business, marketing and R&D programs.

## REPORT OBJECTIVES

- ◆ To establish a comprehensive, factual, annually updated and cost-effective information base on market size, competition patterns, market segments, goals and strategies of the leading players in the market, reviews and forecasts.
- ◆ To assist potential market entrants in evaluating prospective acquisition and joint venture candidates.
- ◆ To complement the organizations' internal competitor information gathering efforts with strategic analysis, data interpretation and insight.
- ◆ To suggest for concerned investors in line with the current development of this industry as well as the development tendency.
- ◆ To help company to succeed in a competitive market, and

## METHODOLOGY

Both primary and secondary research methodologies were used in preparing this study. Initially, a comprehensive and exhaustive search of the literature on this industry was conducted. These sources included related books and journals, trade literature, marketing literature, other product/promotional literature, annual reports, security analyst reports, and other publications. Subsequently, telephone interviews or email correspondence was conducted with marketing executives etc. Other sources included related magazines, academics, and consulting companies.

## INFORMATION SOURCES

The primary information sources include Company Reports, and National Bureau of Statistics of China etc.

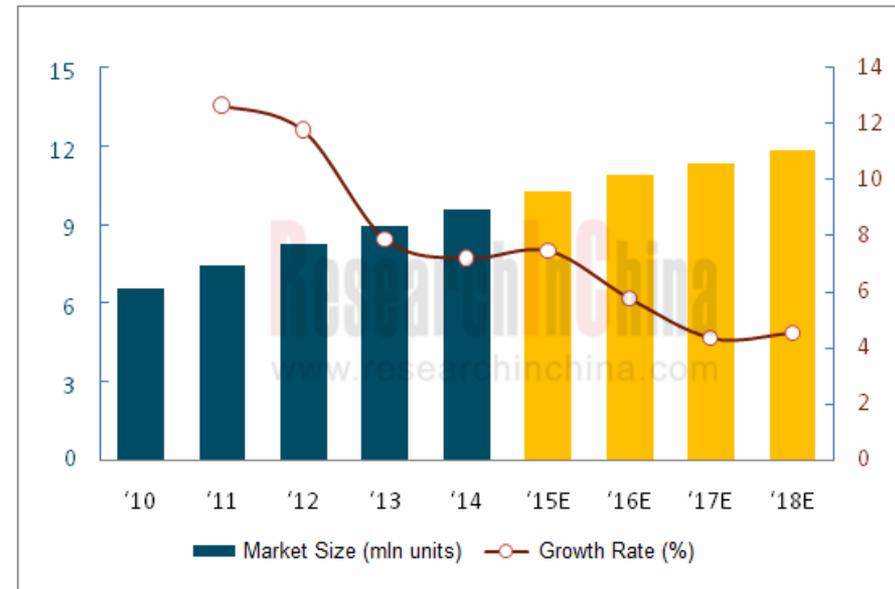
## Abstract

Vacuum pumps are widely used in such fields as metallurgy, chemicals, food, and electronic coating. In recent years, the rapid development of these industries has bolstered the fast growth of vacuum pumps. In 2014, the output of vacuum pumps in China reached 9.56 million units, up 7.2% from a year earlier. We predict that by 2018 this figure will be very likely to climb to 11.84 million units, with an estimated CAGR of 5.5%.

Influenced by the downstream demand and environmental requirements, vacuum pump market segments performed differently. Despite a wider application, liquid ring vacuum pumps, which are limited by requirements for environmental protection, have the shrinking market share. In contrast, dry vacuum pump market sprang up and scored great performance in recent years. But the high-end market was mainly dominated by European, American and Japanese companies.

Liquid ring pumps are used in many technological processes of industrial production, including vacuum filtration and vacuum water diversion, etc. hence a low technical requirement. In terms of price, China-made liquid ring pumps are more competitive. At present, the largest liquid ring pump manufacturers in China include Sanlian Pump Group, Shandong Hua Cheng Group, and KENFLO, etc.

**Output of Vacuum Pumps in China, 2010-2018E**



Source: ResearchInChina

Dry vacuum pumps are mainly used in a wide range of industries, including semiconductor, chemical, film, instrument, medicine, food, etc., over 50% of which are held by the foreign brands. This is particularly true of semiconductor industry, in which the overwhelming majority of vacuum pumps utilized are foreign brands. The China-made vacuum pumps are primarily applied in the chemical industry.

Still, molecular pumps are also widely used in, say, nuclear physics, electric vacuum, and surface science. As the semiconductor industry grows rapidly, the market segment expands at a fast pace. The typical manufacturers in this segment consist of Varian(Agilent), Pfeiffer, Oerlikon Leybold, Busch, and Osaka Vacuum while the major Chinese counterparts include Beijing Beiyi Innovation Vacuum Technology, Rankuum Machinery, and CAS Shenyang Scientific Instrument. But the foreign players are well ahead of Chinese peers whether in technology or in market development.

China Vacuum Pump Industry Report, 2015-2018 mainly covers the following:

- ⇒ Overview of China's vacuum pump industry, including definition and classification, policies and regulations, and future development trend, etc.;
- ⇒ China's pump market, including output, competitive landscape, import & export, etc.
- ⇒ Competition situation of major market segments such as liquid ring vacuum pump, dry vacuum pump, and molecular pump;
- ⇒ Profile, financials, output and sale volume, major customers, main products, R&D, production base distribution, and technical characteristics of 10 foreign vacuum pump manufacturers including Gardner, ULVAC, Osaka Vacuum, Oerlikon Leybold, Tuthill, Atlas Copco, Busch, and Pfeiffer, and 17 Chinese counterparts such as KENFLO, Shandong Hua Cheng Group, Sanlian Pump Group, Shanghai Hanbell Precise Machinery, CAS Shenyang Scientific Instrument, Hubei Tongfang Hi-tech Pump, Shandong Bozhong Vacuum Equipment, Nantong Weishi Vacuum Equipment, Shandong Boshan Vacuum Pumps Factory, as well as Zhejiang Value Mechanical & Electrical Products.

### 1 Overview of Vacuum Pump Industry

#### 1.1 Definition and Classification

##### 1.1.1 Definition

##### 1.1.2 Applications

#### 1.2 Industry Policy

### 2 Vacuum Pump Market

#### 2.1 Industry Overview

#### 2.2 Import and Export

#### 2.3 Market Structure

### 3 Market Segments

#### 3.1 Liquid Ring Vacuum Pump

#### 3.2 Dry Vacuum Pumps

##### 3.2.1 Overview

##### 3.2.1 Market size

#### 3.3 Molecular Pump

### 4 Major Foreign Manufacturers

#### 4.1 Gardner Denver

##### 4.1.1 Profile

##### 4.1.2 Pump Product Business

##### 4.1.3 Nash

##### 4.1.4 Thomas

##### 4.1.5 Elmo Rietschle

##### 4.1.6 Welch-Ilmvac

##### 4.1.7 Robuschi

#### 4.2 Oerlikon Leybold Vacuum

##### 4.2.1 Profile

##### 4.2.2 Operation

##### 4.2.3 Main Business

##### 4.2.4 Vacuum Pump Business

##### 4.2.5 Main Products

##### 4.2.6 Oerlikon Leybold Vacuum Equipment ( Tianjin ) Co., Ltd.

#### 4.3 ULVAC

##### 4.3.1 Profile

##### 4.3.2 Operation

##### 4.3.3 Main Business

##### 4.3.4 Vacuum Pump Business

##### 4.3.5 ULVAC Ningbo Co., Ltd

#### 4.4 Osaka Vacuum

##### 4.4.1 Profile

##### 4.4.2 Operating Performance

##### 4.4.3 Main Products

##### 4.4.4 Osaka Vacuum China

#### 4.5 Tuthill

##### 4.5.1 Profile

##### 4.5.2 Main Products

##### 4.5.3 Shanghai Kinney Vacuum Equipment Co., Ltd.

#### 4.6 Atlas Copco

##### 4.6.1 Profile

##### 4.6.2 Operating Review

##### 4.6.3 Main Business

#### 4.6.4 Products and Applications

##### 4.6.5 Edwards China (Edwards Vacuum Pump Manufacturing Shanghai Co., Ltd.)

#### 4.7 Busch

##### 4.7.1 Profile

##### 4.7.2 Main Products

##### 4.7.3 Busch China (Busch Vacuum Equipment International Trade Co., Ltd.)

#### 4.8 Pfeiffer Vacuum GmbH

##### 4.8.1 Profile

##### 4.8.2 Operating Review

##### 4.8.3 Main Business

##### 4.8.4 Vacuum Pump Business

##### 4.8.5 Pfeiffer Vacuum (Shanghai) Co., Ltd.

#### 4.9 KNF

##### 4.9.1 Profile

##### 4.9.2 Main Products

#### 4.10 Kashiyama

##### 4.10.1 Profile

##### 4.10.2 Vacuum Pump Business

### 5 Major Chinese Vacuum Pump Enterprises

#### 5.1 Guangdong Foshan Pump Factory Co., Ltd (KENFLO)

##### 5.1.1 Profile

##### 5.1.2 Main Products and Project Cases

##### 5.1.3 Developments during 2014-2015

#### 5.2 Shandong Hua Cheng Group

- 5.2.1 Profile
- 5.2.2 Main Products
- 5.2.3 Developments during 2014-2015
- 5.3 Sanlian Pump Group
- 5.3.1 Profile
- 5.3.2 Operation
- 5.3.3 Main Business
- 5.3.4 Main Products
- 5.4 Zibo Shuangshan Vacuum Equipment Plant Co., Ltd.
- 5.4.1 Profile
- 5.4.2 Main Products
- 5.5 Shanghai Hanbell Precise Machinery Co., Ltd.
- 5.5.1 Profile
- 5.5.2 Operation
- 5.5.3 Main Business
- 5.5.4 Gross Margin
- 5.5.5 Output, Sales Volume, and Inventory
- 5.5.6 R&D
- 5.5.7 Major Customers and Suppliers
- 5.6 Beijing Lahee Technology Co., Ltd.
- 5.6.1 Profile
- 5.6.2 Main Products
- 5.6.3 Developments during 2014-2015
- 5.7 CAS Shenyang Scientific Instrument Co., Ltd.
- 5.7.1 Profile
- 5.7.2 Main Products
- 5.8 Zibo Dry Vacuum Pumps Co., Ltd.
- 5.8.1 Profile
- 5.8.2 Main Products
- 5.9 Beijing Beiyi Innovation Vacuum Technology Co., Ltd.
- 5.9.1 Profile
- 5.9.2 Main Products
- 5.10 Zhejiang Vacuum Equipment Group Co., Ltd.
- 5.10.1 Profile
- 5.10.2 Main Products
- 5.11 Rankuum Machinery Co., Ltd.
- 5.11.1 Profile
- 5.11.2 Main Products
- 5.12 Zhejiang Value Mechanical & Electrical Products Co., Ltd.
- 5.12.1 Profile
- 5.12.2 Main Products
- 5.13 Shenyang Bellavac Vacuum Technology Co., Ltd.
- 5.13.1 Profile
- 5.13.2 Main Products
- 5.14 Nantong Weishi Vacuum Equipment Co., Ltd.
- 5.14.1 Profile
- 5.14.2 Main Products
- 5.15 Hubei Tongfang Hi-tech Pump Co., Ltd.
- 5.15.1 Profile
- 5.15.2 Main Products
- 5.16 Shandong Bozhong Vacuum Equipment Co. Ltd.
- 5.16.1 Profile
- 5.16.2 Operation
- 5.16.3 Main Business
- 5.16.4 Main Products
- 5.17 Shandong Boshan Vacuum Pumps Factory Co., Ltd.
- 5.17.1 Profile
- 5.17.2 Main Products

- Key Applications of Vacuum Pump
- Policies on Pump Industry in China, 2006-2014
- Output of Vacuum Pumps in China, 2010-2018E
- Import and Export Volume of Vacuum Pumps in China, 2010-2013
- Import and Export Value of Vacuum Pumps in China, 2010-2013
- Major Global Vacuum Pump Manufacturers' Layout in China
- Major Vacuum Pump Manufacturers in China
- Main Product Segments and Features of Vacuum Pumps
- Main Liquid Ring Vacuum Pump Manufacturers in China
- Comparison of Various Dry Vacuum Pumps
- Major Dry Vacuum Pump Enterprises in China
- Key Chinese and Foreign Molecular Pump Manufacturers
- Nash's Development History
- Nash's Key Vacuum Pumps and Features
- Company Sales Network
- Key Vacuum Pump Technologies and Features of Thomas
- Key Vacuum Pump Technologies and Features of Elmo Rietschle
- Key Vacuum Pump Technologies and Features of Welch-Illvac
- Key Vacuum Pump Technologies and Features of Robuschi
- Order Intake and Backlog of Oerlikon Leybold Vacuum, 2009-2014
- Revenue Structure of Oerlikon Leybold Vacuum by Segment, 2012-2013
- Revenue Structure of Oerlikon Leybold Vacuum by Region, 2013
- Key Performance of Vacuum Business, 2012-2013
- Market Structure for Vacuum Business, 2013
- Main Product of Oerlikon Leybold Vacuum

- ULVAC's Development History
- Business Domains of the ULVAC Group
- Revenue and Net Income of ULVAC, FY2010-FY2014
- Orderds Received by ULVAC, FY2010-FY2014
- Revenue Structure of ULVAC by Business, FY2010-FY2014
- Revenue Structure of ULVAC by Region, FY2010-FY2014
- Vacuum Pump Product Chart of ULVAC by Pressure Range
- Sale of Osaka Vacuum, 2009-2013
- Osaka Vacuum's Major Factories Worldwide
- Turbo Molecular Pumps of Osaka Vacuum
- Main Vacuum Pumps of Osaka Vacuum
- Main Vacuum Pumps of Tuthill
- Revenue and Net Income of Atlas Copco, 2009-2014
- Order Received by Atlas Copco, 2009-2013
- Revenue Structure of Atlas Copco by Product, 2012-2013
- Revenue Structure of Atlas Copco' s Compressor Technique by Region, 2013
- Main Compressor Product of Atlas Copco
- Edwards' Layout in East Asia
- Main Vacuum Pumps of Busch
- Revenue and Net Income of Pfeiffer Vacuum, 2010-2014
- Revenue Structure of Pfeiffer Vacuum by Product, 2012-2014
- Revenue Structure of Pfeiffer Vacuum by Region, 2012-2014
- Revenue Structure of Pfeiffer Vacuum by Market, 2012-2014
- Main Vacuum Pump Products of Pfeiffer Vacuum
- Main Vacuum Pump Products of KASHIYAMA

- KENFLO's Major Export Destinations
- Main Vacuum Pump Products of Kenflo
- KENFLO's Main Project Cases
- Main Vacuum Pump Products of Huacheng
- Revenue and Net Income of Sanlian, 2011-2014
- Revenue Structure of Sanlian by Product, 2011-2014
- Revenue Structure of Sanlian by Region, 2011-2013
- Main Vacuum Pump Products of Sanlian Pump Group
- Main Vacuum Pump Products of Zibo Shuangshan Vacuum
- Revenue and Net Income of Hanbell, 2009-2014
- Revenue and Net Income of Hanbell, 2014-2017E
- Revenue Structure of Hanbell by Product, 2009-2013
- Revenue Structure of Hanbell by Region, 2009-2013
- Gross Margin of Hanbell by Product, 2009-2013
- Sales, Production and Inventory of Hanbell, 2012-2013
- R&D Costs and % of Total Revenue of Shanghai Hanbell Precise Machinery, 2011-2013
- Shanghai Hanbell Precise Machinery's s Revenue from Top 5 Clients and % of Total Revenue, 2013
- Shanghai Hanbell Precise Machinery's Procurement from Top 5 Suppliers and % of Total Procurement, 2013
- Lahee Technology's Main Products and Customers
- Main Products of CAS Shenyang Scientific Instrument
- Main Products of Zibo Dry Vacuum Pumps
- Main Vacuum Pump Products of Beijing Beiyi Innovation Vacuum Technology
- Main Molecular Pump Products of Beijing Beiyi Innovation Vacuum Technology
- Main Vacuum Pump Products of Zhejiang Vacuum Equipment
- Main Vacuum Pump Products of Rankuum Machinery

- 
- Main Vacuum Pump Products of Zhejiang Value Mechanical & Electrical Products
  - Main Vacuum Pump Products of Shenyang Bellavac Vacuum Technology
  - Main Vacuum Pump Products of Nantong Weishi Vacuum Equipment
  - Main Vacuum Pump Products of Tongfang Hi-tech Pump
  - Application Performance of Liquid Ring Vacuum Pump in Power Industry
  - Revenue and Net Income of Bozhong, 2009-2014
  - Revenue Structure of Bozhong by Product, 2012-2014
  - Revenue Structure of Bozhong by Region, 2012-2014
  - Main Vacuum Pump Products of Shandong Bozhong Vacuum Equipment
  - Main Vacuum Pump Products of Shandong Boshan Vacuum Pumps Factory

**You can place your order in the following alternative ways:**

1. Order online at [www.researchinchina.com](http://www.researchinchina.com)
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: [report@researchinchina.com](mailto:report@researchinchina.com)
4. Phone us at +86 10 82600828/ 82601561

<b>Party A:</b>			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

<b>Party B:</b>			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 502, Block 3, Tower C, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

**Choose type of format**

- PDF (Single user license) .....2,000 USD
- Hard copy ..... 2,100 USD
- PDF (Enterprisewide license)..... 3,100 USD

**※ Reports will be dispatched immediately once full payment has been received.**  
**Payment may be made by wire transfer or credit card via PayPal.**

### About ResearchInChina

ResearchInChina ([www.researchinchina.com](http://www.researchinchina.com)) is a leading independent provider of China business intelligence. Our research is designed to meet the diverse planning and information needs of businesses, institutions, and professional investors worldwide. Our services are used in a variety of ways, including strategic planning, product and sales forecasting, risk and sensitivity management, and as investment research.

### Our Major Activities

- *Multi-users market reports*
- *Database-RICDB*
- *Custom Research*
- *Company Search*

**RICDB** (<http://www.researchinchina.com/data/database.html>), is a visible financial data base presented by map and graph covering global and China macroeconomic data, industry data, and company data. It has included nearly 500,000 indices (based on time series), and is continuing to update and increase. The most significant feature of this base is that the vast majority of indices (about 400,000) can be displayed in map.

After purchase of our report, you will be automatically granted to enjoy 2 weeks trial service of RICDB for free.

After trial, you can decide to become our formal member or not. We will try our best to meet your demand. For more information, please find at [www.researchinchina.com](http://www.researchinchina.com)

For any problems, please contact our service team at: