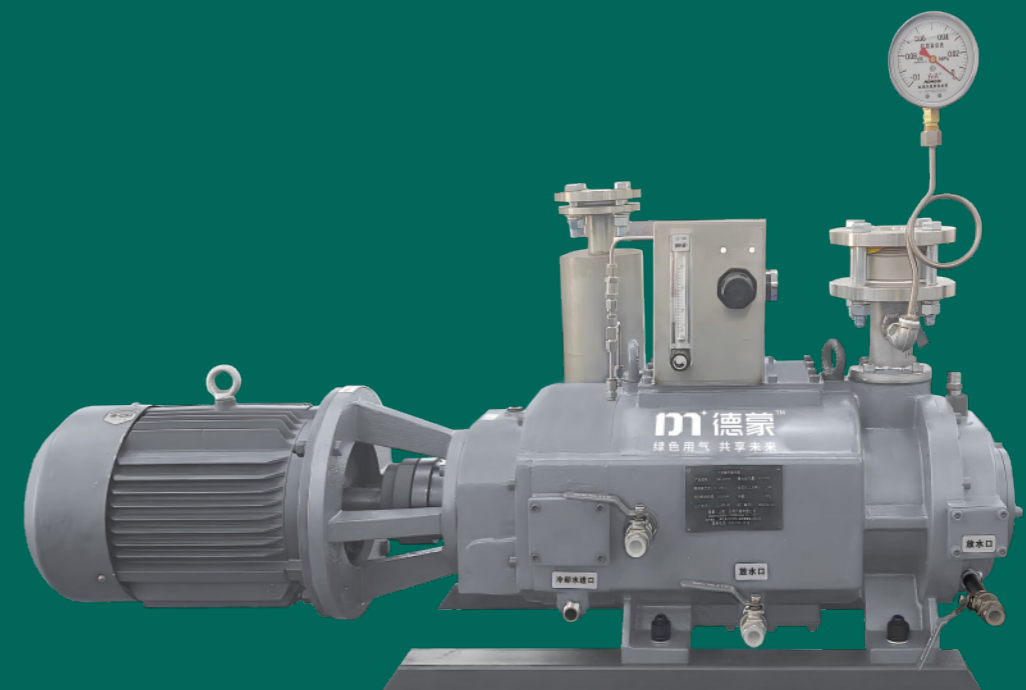


Vacuum Pump Series Products



Dream (Shanghai) Compressor Co.,Ltd.

International Sales & Operation Center: Room 316, 3rd Floor,
Building 1, Lane 288, Rongxing Road, Zhongshan Street, Songjiang District, Shanghai, China

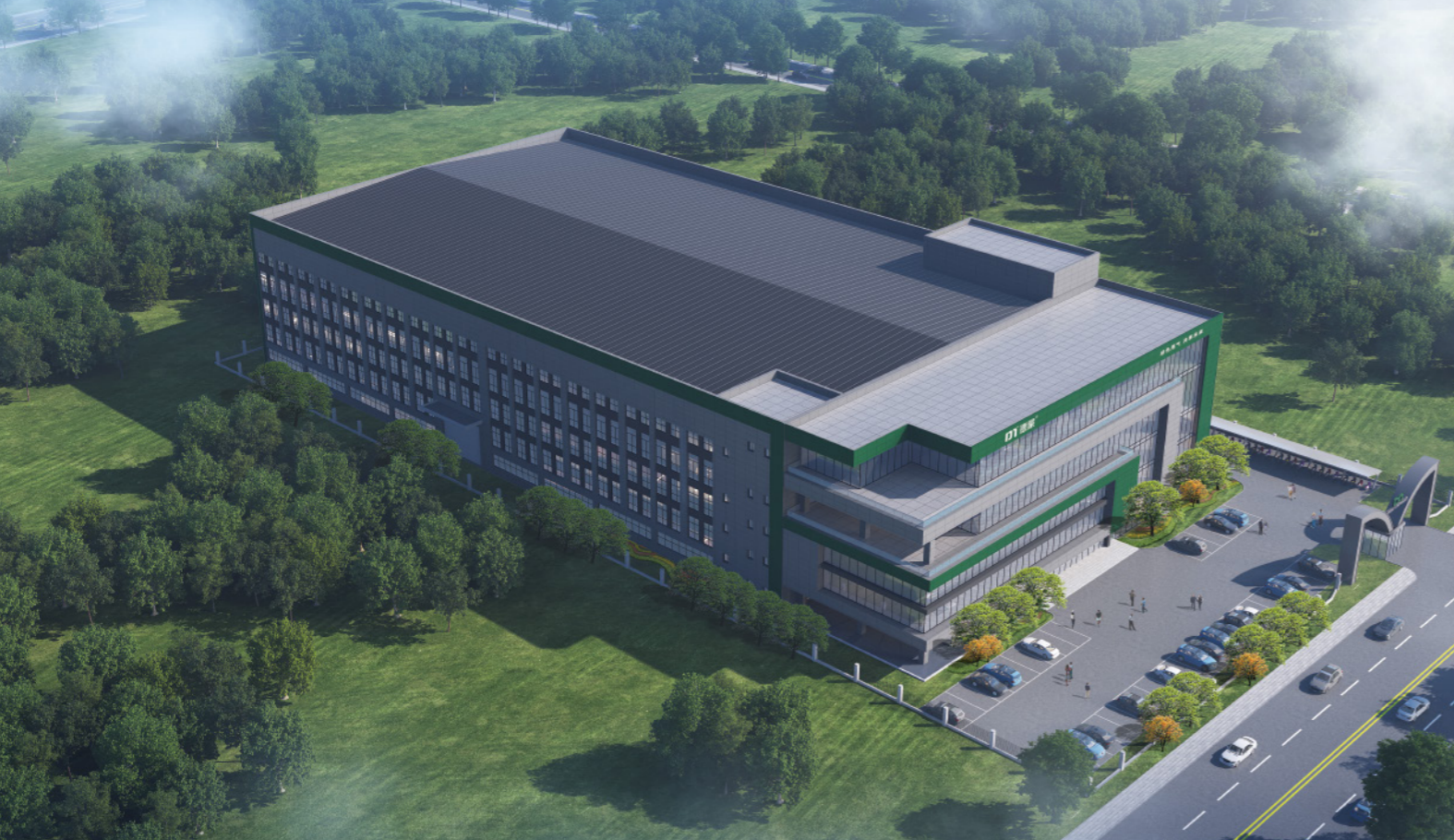
Manufacturing Center No. 916, Chuangzhi Road, Xindai Town, Pinghu City,
Jiaxing City, Zhejiang Province, China

86-13671551445
sales@dmcomp.com



www.dreamcompressor.com
www.dmcomp.com

Dream(Shanghai) Compressor Co.,Ltd.



ABOUT DREAM

 **45000** m²
factory area

 **100+** 项
Invention patents and honors

 **20+**
Regional branches/subsidiaries

Dream (Shanghai) Compressor Co., Ltd. which established in Shanghai in 2011. It is a company specialized in designing, manufacturing and marketing of air compressors, A high-tech enterprise to offer system solutions. It has won honors such as Shanghai Brand Cultivation Demonstration Enterprise, special new enterprise, energy-saving equipment contribution enterprise, high-tech achievement transformation project, etc. The products are used widely in new energy, chemical industry & chemistry, Electronics, textiles, brewing mill, laser cutting, medicine & food and other fields. Since its establishment, Dream has R&D the application of air compressor system related technologies continuously, strictly abide by the ISO9001 quality management system, ISO14001 environmental management system, ISO45001 occupational health and safety management system standards, ensure that various processes are closely synchronized with international standards. We set up a professional R & D center to meet the demand and application conditions of different application clients worldwide. Based on concepts of stable, energy-saving, clean, efficiency, simple operation & maintenance, DREAM insists on developing based on market demand and innovation. The company invests 10%-15% of its profits every year into R&D and the upgrading & optimization of products. Innovation is main driver for DREAM grow up. As manufacturer supplier of Air compressor system solutions, Our service cover client requirement analysis, site investigation, technical solution design, and project cost analysis, non-standard solution customization, solution demonstration and promotion. we provide exclusive compressed gas solutions based on project needs.

After development for 14+ years, Dream has always adhered to the enterprise spirit of "One heart One Dream, striving for excellence", constantly innovating and pursuing excellence. Dream people continue to explore and innovate to meet customer needs and provide users with better products and service. Based in China, Dream's products has exported to worldwide countries successfully, mainly market as South Asia, South East Asia, Europe, Africa, South America, North America, and CIS countries, footprints all over the world. Its excellent product performance and efficient service concept continue to create value for users.

Dream will be always your trust partner. We believe that you will experience our high-quality products and professional services, by working with us. Welcome to pursue dream and create better future with DREAM together!

DREAM CULTURE



Vision

To become the industry's most competitive vacuum technology and gas compressor solutions provider



Mission

Give users more worry free Sustainably save energy and gas



Value

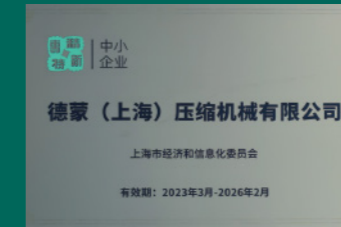
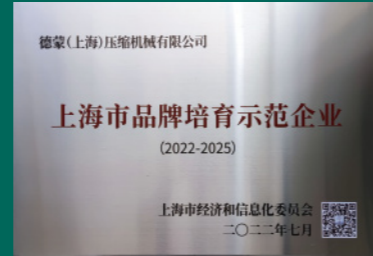
Concentric shared dream professional focused co-created shared

DREAM

GREEN ENERGY SHARED DREAM

Enterprise honor

- High-tech enterprise
- Specialized in special new enterprises
- Energy-saving technology and equipment contributing enterprises
- Shanghai brand cultivation model enterprise
- CE Certificates
- EMC Certificates
- TUV Rheinland Class 0 Oil Free Certificates
- Germany TUV product safety certification
- GCCA product quality and safety certification
- ISO 9001,14001,45001



20+
City subsidiary

34 Provincial sales
service network

Adhering to the business philosophy of "market-oriented,customer-centric,technical support and service guarantee",Dream is committed to providing customers with high quality products and industry-leading services. With Shanghai as the center and 20 service outlets nationwide as the auxiliary,Dream covers 34 provinces and autonomous regions of China's sales and service network,dedicated to provide customers with better service.

Global service

Dream is committed to providing quality products and services on a global scale,and has conducted overseas operations in many countries and regions,including Southeast Asia,Eu-rope,and the Americas,and has established strong partnerships in overseas markets. Our overseas agents have rich experience in cross-cultural communication and international vision,and are able to better understand and meet the needs of local customers and markets. In the future,we will continue to strengthen the development of overseas business,expand more overseas markets,and let China intelligent manufacturing shine on the international stage.



Dream Intelligent Manufacturing Six core competencies

Product

- Oil-free series vacuum pumps
- Energy-saving screw vacuum pumps
- Mobile vacuum pump
- Compressed air purification equipment



Solution

- Vacuum Technology Energy Saving Expansion
- Digital station house
- Intelligent control
- Whole station energy saving

Guarantee

- Product quality assurance
- Production cycle support
- Product after-sales support
- System engineering capability assurance
- Capacity supporting measures

Technology

- Technologies Vacuum System Development
- Automation Digitization Technology
- Specialized application technology

Engineering

- Vacuum station retrofit capability
- Project management capability
- Engineering design capability
- Detail implementation ability

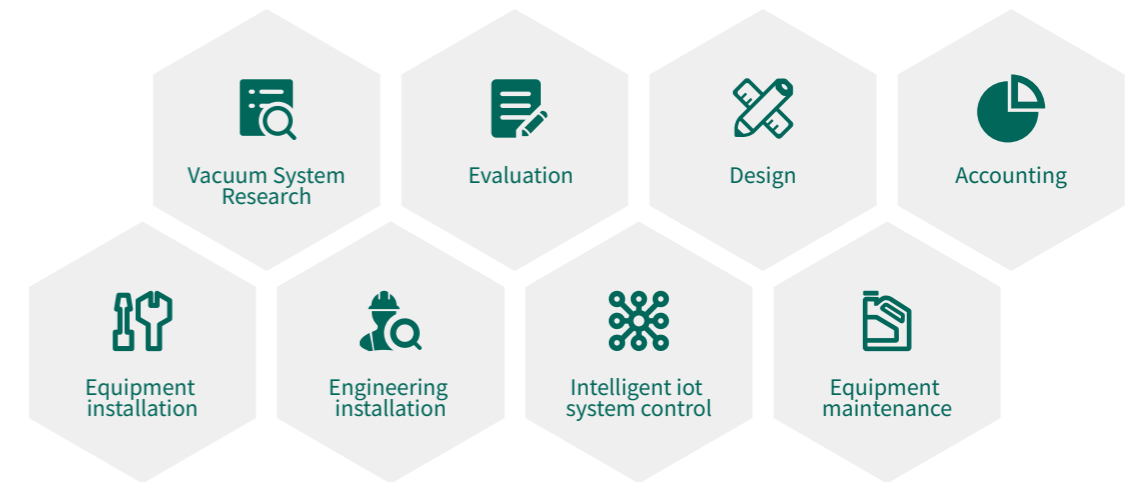
Service

- Full life cycle service
- Performance pledge
- 19 national service outlets
- Global delivery

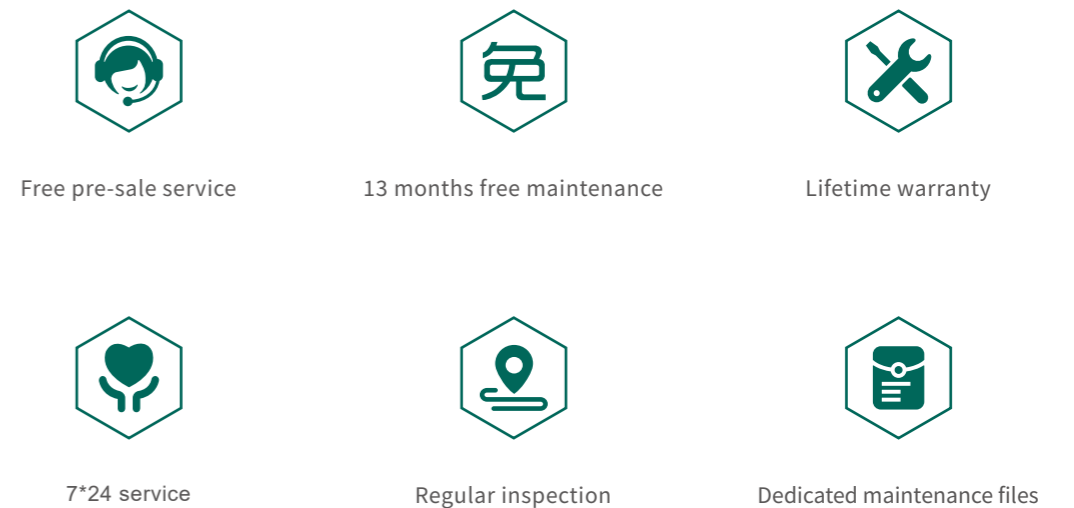
| Full process cycle and service

We design or upgrade vacuum stations for our customers, providing full process cycle services covering vacuum system research, evaluation, design, accounting, equipment installation, engineering installation, intelligent IOT system control, and equipment maintenance.

| Service process



| Performance pledge





DKV-Gseries Permanent magnet variable frequency micro-oil screw vacuum pump

The DKV-G series vacuum pump can save about 50% of energy compared to other technologies; it is one of the most energy-efficient permanent magnet variable frequency screw vacuum pumps on the market. In comparison, technologies such as oil-lubricated rotary vane pumps and water ring pumps have low mechanical efficiency and high cost expenditures.

In vacuum applications, nearly 90% of electrical energy is usually converted into heat energy. The integrated energy recovery system of the DKV-G series screw vacuum pump can convert 75% of the electrical energy input into heat energy without any impact on the equipment. By effectively using the energy recovery system, you will save a lot of energy costs and get a high return on investment.



Intelligent design



Energy saving and low noise



Easy installation



Internet of Things System

Model NO.	Pumping Speed	Extreme Pressure	Motor power	Ambient Temperature	Air Input Pipe Diameter	Air Outlet Pipe Diameter	Dimensions (mm)	Weight
	m ³ /h	mbar	kW	°C			L×W×H	Kg
DKV-4.5G	290	0.6	4.5	0-46	DN80	DN50	1100*750*1120	550
DKV-5.5G	390	0.6	5.5	0-46	DN80	DN50	1100*750*1120	550
DKV-7.5G	580	0.6	7.5	0-46	DN80	DN65	1200*1000*1260	600
DKV-11G	760	0.6	11	0-46	DN100	DN65	1500*1080*1365	700
DKV-15G	930	0.6	15	0-46	DN100	DN65	1500*1080*1365	1100
DKV-22G	1360	0.6	22	0-46	DN150	DN100	1650*1130*1500	1500
DKV-30G	1800	0.6	30	0-46	DN150	DN100	2000*1500*1810	1800
DKV-37G	2200	0.6	37	0-46	DN150	DN100	2000*1500*1810	2000
DKV-45G	2800	0.6	45	0-46	DN150	DN100	2000*1500*1810	2300
DKV-55G	3800	0.6	55	0-46	DN200	DN150	2700*1700*1860	2700
DKV-75G	4700	0.6	75	0-46	DN200	DN150	2700*1700*1860	3500
DKV-90G	5400	0.6	90	0-46	DN300	DN200	3000*1800*1860	3800

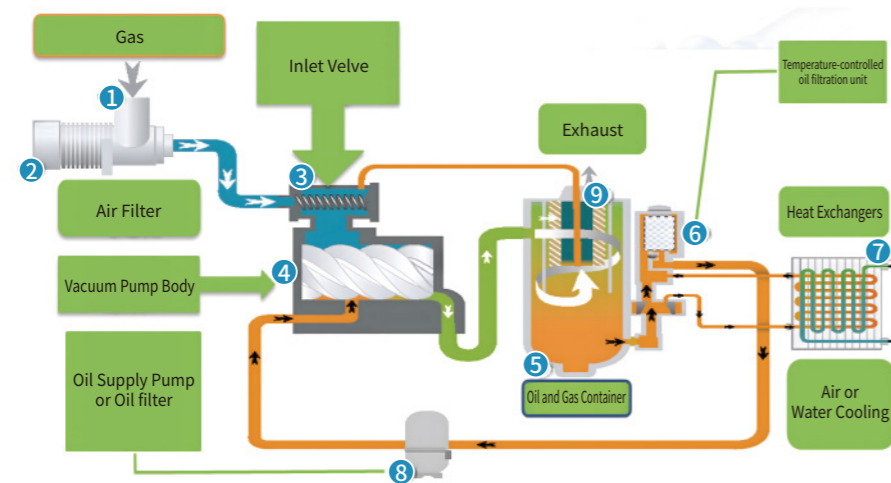
Note: Operating vacuum pressures are gauge pressures, atmospheric pressure is 1 atm (1 standard atmosphere 1013mbar) for reference. The selection of vacuum pumps is related to the characteristics of the gases to be pumped by the user, so please contact Demont or one of its regional distributors before making a selection. Please contact Demont or one of our regional distributors before selecting a pump. Special order specifications are available depending on the customer's process.

Working principle

Working principle Suction process:When the male rotor and the female screw rotate simultaneously in opposite directions (counterclockwise and clockwise), the volume between the teeth will gradually increase due to meshing, forming an intertooth volume. This increase in interdental volume increases the internal vacuum, and only the suction port is connected to Application scena Advantages of Micro Oil Screw Vacuum Pum Average energy saving of 30-60%, specially designed to achieve energy saving p rios it. Therefore, the gas will enter the interdental volume through the suction port driven by the pressure difference.

Compression process:As the rotor continues to rotate, the inter-tooth volume will gradually decrease because the meshing force between the rotor teeth will cause the volume of the inter-tooth volume to decrease. The volume of the gas sealed in the volume between the teeth decreases, causing the pressure to increase and completing the compression process of the gas.

Exhaust process:When the interdental volume is connected to the exhaust port, it will serve as an exhaust channel, allowing gas with higher exhaust pressure to be exhausted through the exhaust port. At this time, the interdental volume further decreases until it is completely closed, preventing further gas inhalation.



Advantages of Micro-Oil Screw Vacuum Pump

Low noise and no pollution

Compared with other vacuum pumps on the market, the DKV-G Series operates with extremely low noise. With its industry-leading oil recovery capability, the purity of the exhaust gas is excellent and will not pollute the factory floor. The cleanliness of the working environment has been greatly improved. promote.

Stable operation and low cost

The DKV-G Series is easy to maintain, has low maintenance frequency, and has no rotary vane, no rotary vane vibration, and no rotary vane wear. The average maintenance interval is extremely long, and this Series of equipment does not require water. With the help of the IoT cloud, you can understand the equipment's operating performance and maintenance needs at any time.

Convenient installation and maintenance design

Overall modular design: The modular design of the drive and cooling system effectively reduces the number of parts, and the more compact and reasonable space layout makes installation and maintenance easier and faster.

Application scenario



CNC industry Adsorption clamping vacuum application



Printing industry Vacuum application for clamping and lifting



Electronics industry HV PV vacuum applications



Food industry Food vacuum packaging canning, freeze drying



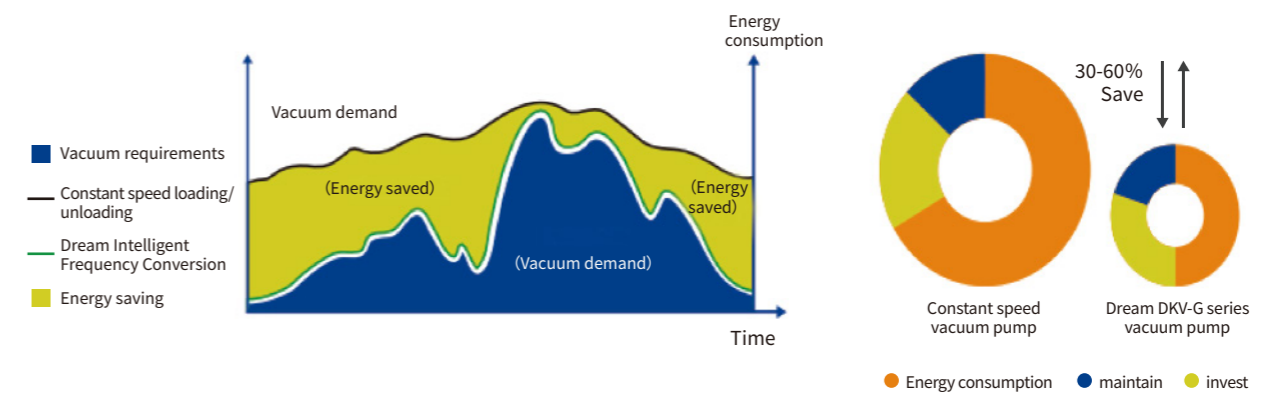
Vacuum forming industry Vacuum forming and blister forming of various plastic products



Vacuum forming and blister forming of various plastic products

Note: Only some industries are shown above. For more details, please contact our relevant business

Average energy saving of 30-60%, specially designed for energy saving



Product Application Fields

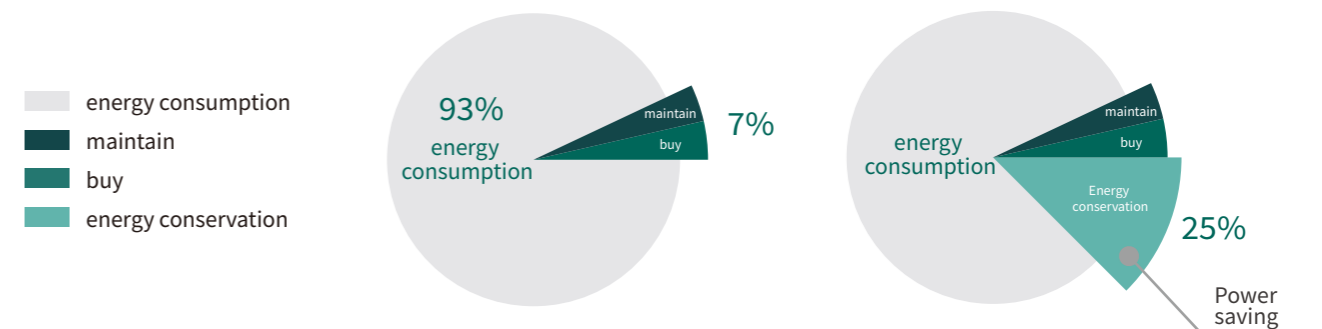
The application fields of vacuum system are very wide, and have penetrated into aerospace, vehicles, civil engineering, machinery, packaging, environmental protection, medicine and medical equipment, petroleum, chemical industry, food, optics, electricity, electronics, atomic energy, semiconductor, cryogenic, professional machinery, textile, paper, civil industry and military industry. Environmental protection, medicine and medical equipment, petroleum, chemical, food, optical, electrical, electronic, atomic energy, semiconductor, cryogenic, professional machinery, textile, paper, civil industry and military industry. With years of in-depth research in the vacuum field and unique insights into the application of vacuum processes, the team of Dermont can customize the best vacuum system solutions according to the customer's process.



Energy saving and cost reduction

When purchasing vacuum pumps, the traditional cost (that is, purchase cost + maintenance cost) accounts for only 7% of the total cost, while energy consumption accounts for 93%.

— Taking 11KW as an example



Dream 11KW vacuum pump
It saves about 25% of electricity a year

DREAM

Intelligent control technology

cloud intelligent control three functions and value



Digital Station

Intelligent control: 10-30% reduction in O&M costs

- 3D virtual vacuum pump
- Data dynamic monitoring
- Workshop diagnostic reports
- Failure online warning
- Maintenance interval reminder



Intelligent control

Intelligent machine adjustment: reduce manual labor time $\geq 50\%$.

- Vacuum pump automatic control
- AI algorithm autonomous parameterization
- Dynamic decision making for equipment prioritization
- Intelligent control of ancillary equipment



Whole station energy saving

save the power consumption of 5-30%

- edge computing technology
- narrow band constant voltage technology
- multi-parameter and multi-constraint control algorithm
- big data visualization technology

GREEN ENERGY SHARED DREAM



Computer remote monitoring



Dream vacuum pump
wifi connection control
remote monitoring



Mobile phone
remote monitoring

