

STABLE | ENERGY-SAVING | CLEAN | AND EFFICIENT

D F V - G Series Screw Blower



Dream (Shanghai) Compressor Co.,Ltd.

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Dream(Shanghai) Compressor Co.,Ltd.

01



D F V - G Series
Screw Blower

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ABOUT DREAM

 **45000** m²
factory area

 **100+**
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, is A high-tech enterprise that sells and provides 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 widely used in new energy, chemical industry & chemistry, Electronics, textiles, brewing mill, laser cutting, medicine & food and other fields.

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 be a global leader in gas compression intelligent equipment and system solutions service provider



Mission

Make Industry Air More Stable, More Clean, More Efficient



Value

One Heart. One Dream. Professional. Focus. Innovative. Win-win.

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, Europe, 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.



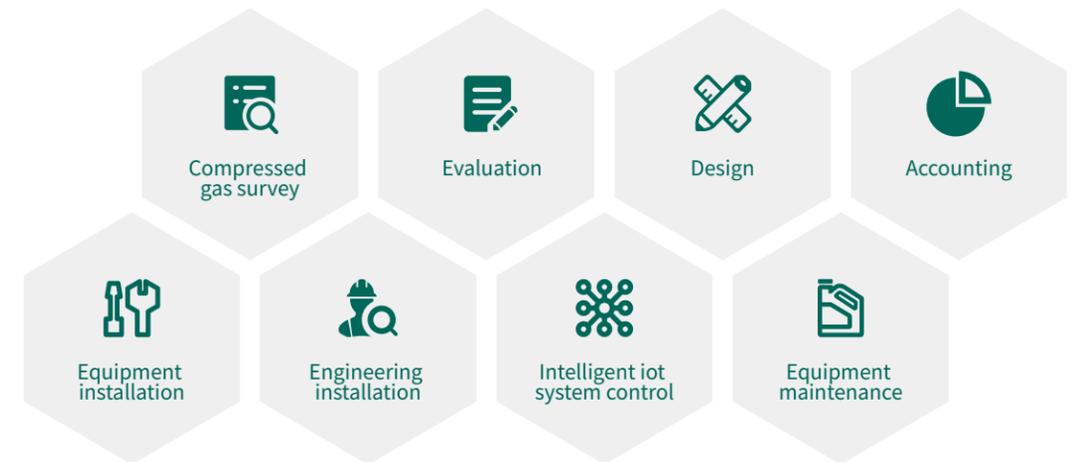
Dream Intelligent Manufacturing Six core competencies



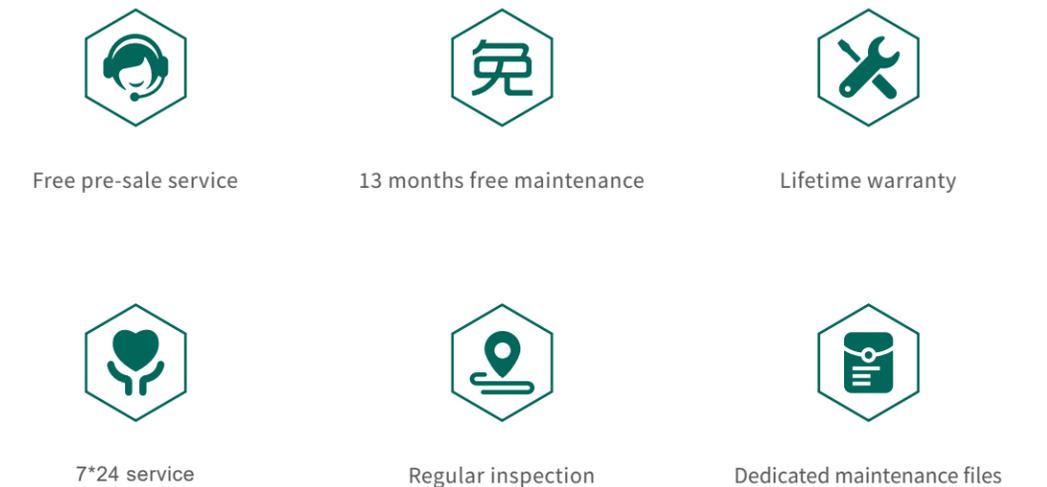
| Full process cycle and service

We provide the whole process cycle service for customers to build gas stations or upgrade, covering compressed gas system research, evaluation, design, edge calculation, equipment installation, engineering installation, intelligent iot system control, equipment maintenance and so on.

| Service process



| Performance pledge



Product Features

01 Durable, efficient and stable airend

High-efficiency motor with large starting torque; specially designed according to the blower performance curve to improve efficiency and reduce specific power; the motor can operate for a long time at 55°C, and the protection level is IP23.



02 Inlet filter

The air intake filtration accuracy can reach 15um, the pressure loss does not exceed 500Pa, clean air intake, low pressure drop, high efficiency, air intake and exhaust sound design, auxiliary sound insulation cover, lower noise.



03 Frequency Converter

Use high-quality inverters to achieve soft start, variable frequency speed regulation, improve operation accuracy, change power factor, and overcapacity/overvoltage/overload protection.



04 Lubricating oil pump/oil tank/cooling system

The forced lubrication system and active heat dissipation provide a stable host operating environment, ensuring that the airend runs more smoothly and reliably.



05 Control System

7-inch color graphic touch screen control, friendly interface, easy operation; 24-hour warning notification, remote operation support; intelligent dynamic display, fault analysis and recovery, multi-machine joint control.



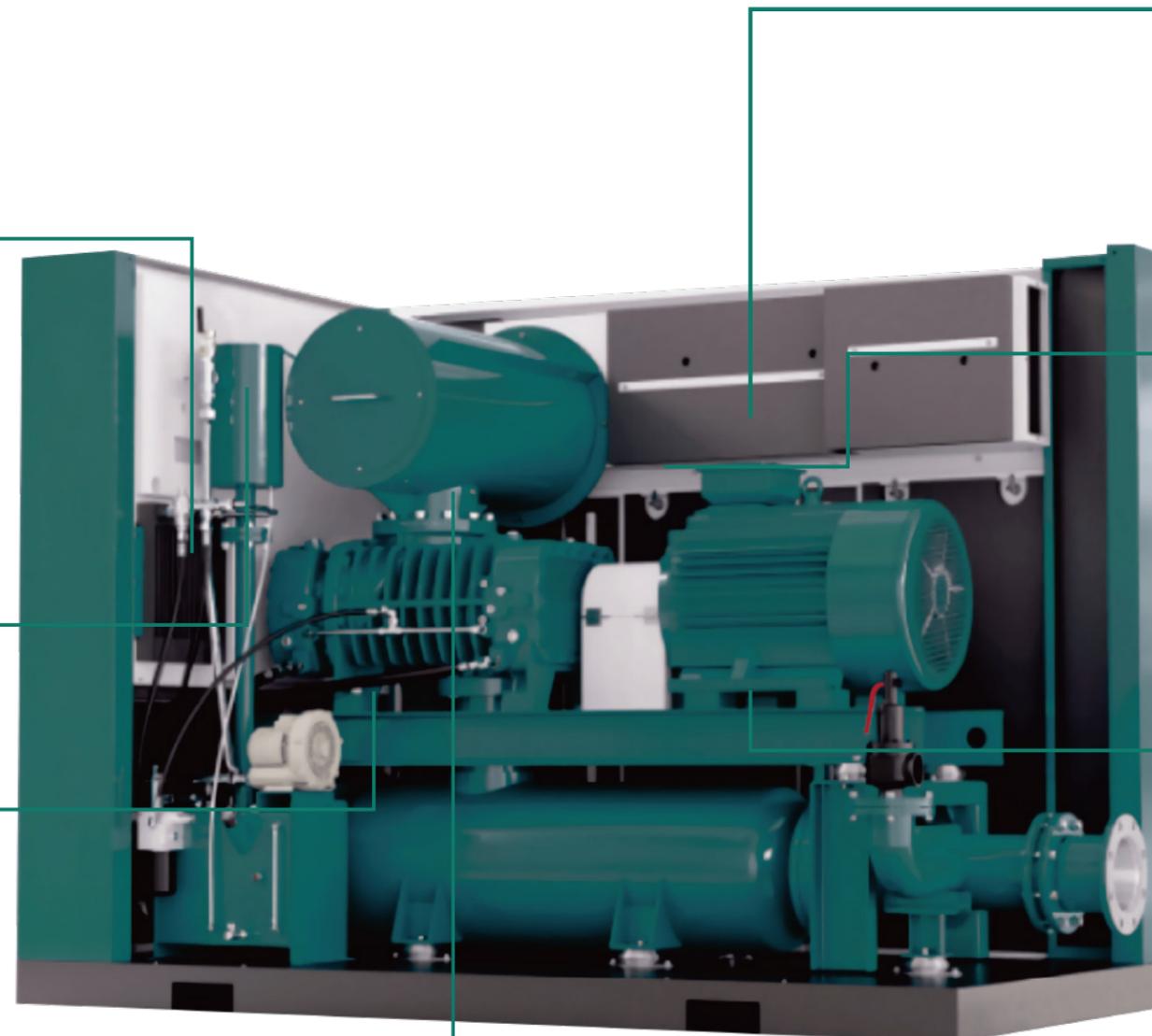
06 Noise reduction system

The muffler is combined with a low-noise profile machine head, and the drive components adopt a vibration-insulated structure, and the intake and exhaust noise is reduced to achieve a low-noise production space.



07 Systematization

Excellent performance components, after systematic design and combination by DREAM, greatly reduce the operating failure of the unit, achieve higher exhaust pressure, more sufficient air output, and lower energy consumption.



Blower technical parameters

| Model | power (kw) | Pressure (kpa) | Capacity (m³/min) | Airend speed (rpm) | Outlet diameter | Dimensions | | | Lubricating oil quantity | noise | weight |
|---------|------------|----------------|-------------------|--------------------|-----------------|------------|-------|--------|--------------------------|-------|--------|
| | | | | | | Length | width | height | | | |
| DFV-22G | 22 | 100 | 13.8 | 3300 | DN125 | 2300 | 1350 | 1900 | 35 | 73 | 2200 |
| | | 120 | 11 | 2900 | | 2300 | 1350 | 1900 | 35 | 73 | 2200 |
| | | 150 | 8.1 | 2400 | | 2300 | 1350 | 1900 | 35 | 73 | 2200 |
| | | 180 | 5.42 | 2000 | | 2300 | 1350 | 1900 | 35 | 74 | 2200 |
| | | 200 | / | / | | / | / | / | / | / | / |
| DFV-30G | 30 | 100 | 19.2 | 4250 | DN125 | 2300 | 1350 | 1900 | 35 | 74 | 2200 |
| | | 120 | 16.3 | 3800 | | 2300 | 1350 | 1900 | 35 | 74 | 2200 |
| | | 150 | 12.6 | 3200 | | 2300 | 1350 | 1900 | 35 | 74 | 2200 |
| | | 180 | 9.55 | 2750 | | 2300 | 1350 | 1900 | 35 | 也 | 2200 |
| | | 200 | 9.26 | 2750 | | 2300 | 1350 | 1900 | / | 75 | 2200 |
| DFV-37G | 37 | 100 | 23 | 5000 | DN125 | 2300 | 1350 | 1900 | 35 | 75 | 2400 |
| | | 120 | 20.4 | 4500 | | 2300 | 1350 | 1900 | 35 | 75 | 2400 |
| | | 150 | 15.77 | 3800 | | 2300 | 1350 | 1900 | 35 | 75 | 2400 |
| | | 180 | 12.54 | 3300 | | 2300 | 1350 | 1900 | 35 | 78 | 2400 |
| | | 200 | 12.25 | 3300 | | 2300 | 1350 | 1900 | 35 | 78 | 2400 |
| DFV-45G | 45 | 100 | 28.7 | 3300 | DN125 | 2300 | 1350 | 1900 | 35 | 18 | 3200 |
| | | 120 | 23.4 | 2900 | | 2300 | 1350 | 1900 | 35 | 78 | 3200 |
| | | 150 | 17.25 | 2500 | | 2300 | 1350 | 1900 | 35 | 78 | 3200 |
| | | 180 | 15.6 | 2200 | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| | | 200 | / | / | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| DFV-55G | 55 | 100 | 35 | 3900 | DN150 | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| | | 120 | 30.8 | 3500 | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| | | 150 | 24.8 | 3000 | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| | | 180 | 18.85 | 2500 | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| | | 200 | 18.43 | 2500 | | 2300 | 1350 | 1900 | 35 | 80 | 3200 |
| DFV-75G | 75 | 100 | 41.98 | 4500 | DN150 | 2300 | 1350 | 1900 | 35 | 80 | 3500 |
| | | 120 | 37.8 | 4200 | | 2300 | 1350 | 1900 | 35 | 80 | 3500 |
| | | 150 | 32.7 | 3800 | | 2300 | 1350 | 1900 | 35 | 80 | 3500 |
| | | 180 | 26.5 | 3300 | | 2300 | 1350 | 1900 | 35 | 82 | 3500 |
| | | 200 | 26.07 | 3300 | | 2300 | 1350 | 1900 | 35 | 82 | 3500 |
| DFV90G | 90 | 100 | 57.3 | 3000 | DN200 | 3100 | 1700 | 2300 | 45 | 80 | 4000 |
| | | 120 | 49.9 | 2750 | | 3100 | 1700 | 2300 | 45 | 80 | 4000 |
| | | 150 | 35.4 | 4000 | DN150 | 2300 | 1350 | 1900 | 35 | 80 | 3500 |
| | | 180 | 34.7 | 4000 | | 2300 | 1350 | 1900 | 35 | | 3500 |
| | | 200 | 32.6 | 3800 | | 2300 | 1350 | 1900 | 35 | | 3500 |

| Model | power (kw) | Pressure (kpa) | Capacity (m³/min) | Airend speed (rpm) | Outlet diameter | Dimensions | | | Lubricating oil quantity | noise | weight |
|----------|------------|----------------|-------------------|--------------------|-----------------|------------|-------|--------|--------------------------|-------|--------|
| | | | | | | Length | width | height | | | |
| DFV-110G | 100 | 100 | 66.96 | 3500 | DN250 | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 120 | 62.1 | 3300 | | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 150 | 48.5 | 2750 | | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 180 | 43.05 | 2500 | | 3500 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 200 | 40.3 | 2400 | | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| DFV-132G | 132 | 100 | 86.4 | 2350 | DN250 | 3500 | 1900 | 2600 | 45 | 82 | 5000 |
| | | 120 | 74.1 | 2050 | | 3500 | 1900 | 2600 | 45 | 82 | 5000 |
| | | 150 | 60.78 | 3300 | DN200 | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 180 | 49 | 2850 | | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| | | 200 | 46.6 | 2750 | | 3100 | 1700 | 2300 | 45 | 82 | 4300 |
| DFV-160G | 160 | 100 | 101.5 | 2700 | DN250 | 3500 | 1900 | 2600 | 45 | 85 | 5500 |
| | | 120 | 87.1 | 2400 | | 3500 | 1900 | 2600 | 45 | 85 | 5500 |
| | | 150 | 73 | 3800 | DN250 | 3100 | 1700 | 2300 | 45 | 85 | 5500 |
| | | 180 | 65.28 | 3500 | | 3100 | 1700 | 2300 | 45 | 85 | 5500 |
| | | 200 | 58.8 | 3300 | | 3100 | 1700 | 2300 | 45 | 85 | 5500 |
| DFV-185G | 185 | 100 | 107 | 2800 | DN250 | 3500 | 1900 | 2600 | 45 | 85 | 5500 |
| | | 120 | 92.58 | 2500 | | 3500 | 1900 | 2600 | 45 | 85 | 5500 |
| | | 150 | 77.68 | 2200 | | 3500 | 1900 | 2300 | 45 | 85 | 5500 |
| | | 180 | 71.9 | 3800 | DN200 | 3100 | 1700 | 2300 | 45 | 85 | 5500 |
| | | 200 | 66.8 | 3600 | | 3100 | 1700 | 2300 | 45 | 85 | 5500 |
| DFV-200G | 200 | 100 | 115.6 | 3000 | DN250 | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 120 | 105.61 | 2800 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 150 | 90.69 | 2500 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 180 | 75.96 | 2200 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 200 | 75 | 2200 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| DFV-250G | 250 | 100 | / | / | / | / | / | / | / | / | / |
| | | 120 | 114.28 | 3000 | DN250 | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 150 | 103.72 | 3000 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 180 | 88.99 | 2500 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |
| | | 200 | 87.95 | 2500 | | 3500 | 1900 | 2600 | 45 | 85 | 5800 |

Energy Conservation

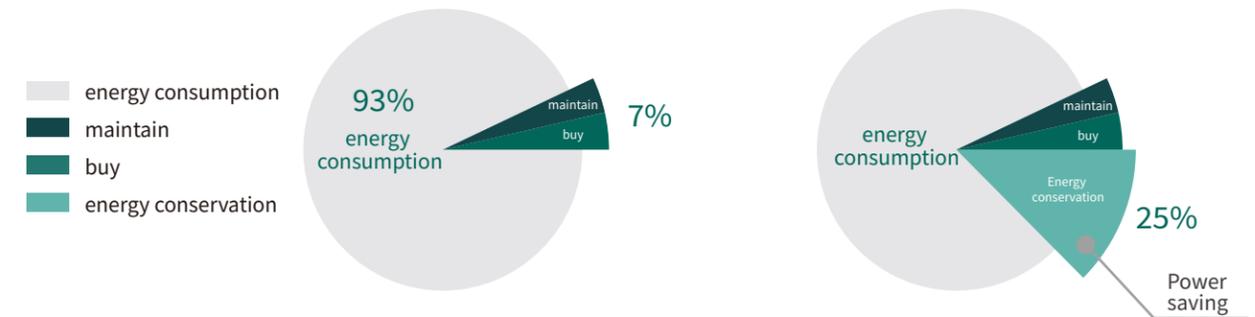
Air compressors are the "electric tigers" in industrial electricity consumption, with an average power consumption of 20%. We have made a series of efforts and research on how to use the same electricity to create more air to help users save energy, and have made important breakthroughs. The permanent magnet variable frequency screw machine developed by the company can save users about 25-35% of electricity while ensuring the original work efficiency.



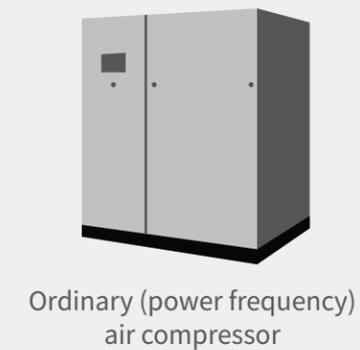
Energy saving and cost reduction

When purchasing an air compressor, the traditional cost (i.e. purchase cost+maintenance cost) only accounts for 7% of the total cost, while energy consumption accounts for 93%. The two-stage compression direct connection/permanent magnet screw air compressor saves 25-30% energy compared to ordinary (power frequency) air compressors.

— taking 75KW as an example



- intelligent control
- Rust proof shell
- Efficient and energy-saving
- Constant current and stable voltage
- Easy to use and worry free
- reduce the noise



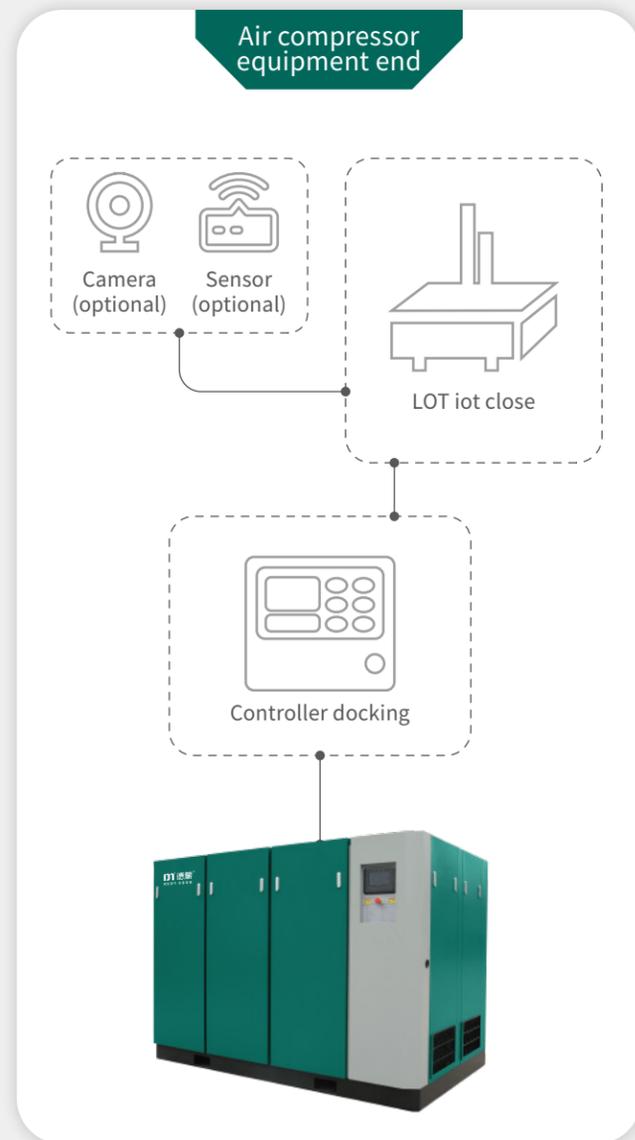
Intelligent control technology

cloud intelligent control three functions and value

- Digital station intelligent control**
 - reduce operation and maintenance costs by 10-30%
 - 3D virtual air compressor station
 - data Min monitoring
 - workshop diagnosis report
 - fault online prezi
 - maintenance cycle reminder

- Intelligent control Intelligent tuning**
 - reduce manual labor time by 50%
 - automatic control of air compressor
 - AI algorithm autonomous tuning
 - dynamic decision-making of equipment priority
 - intelligent control of auxiliary equipment

- Whole station energy saving 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



Digital station house

Station monitoring + control (computer) air compressor, cold dryer, suction dryer, water, fan, waste heat recovery machine, flow meter, electricity meter, etc Intelligent monitoring technology Based on the "Internet of Things"

Intelligent monitoring technology

Based on the "Internet of Things" intelligent control technology, the product has the ability to transport parameters through cloud technology, and our users can achieve it through computers or mobile phone apps.

