



Stability · Energy saving · Innovation

Product Roots from Professional
Quality wins Market
Integrity Casts Brand
Service Creates Value



COMPRESSOR
OIL-FREE SCROLL

LUOYOU COMPRESSOR (SHANGHAI) CO., LTD.

Address: 2777 Wanfeng Blvd., Fengjing, Shanghai 201501
Website: www.shluoyou.com.cn



WeChat Official Account QR code



LUOYOU Official Website QR Code

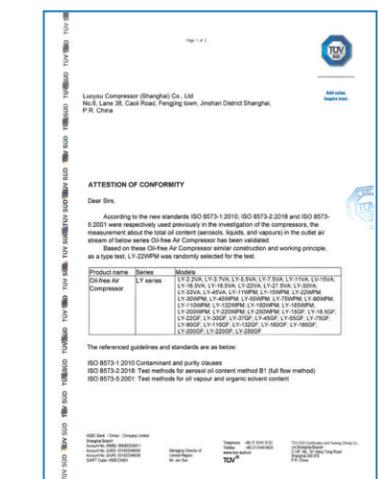
EXCELLENT QUALITY

COMPANY PROFILE

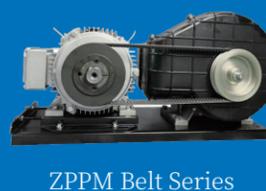
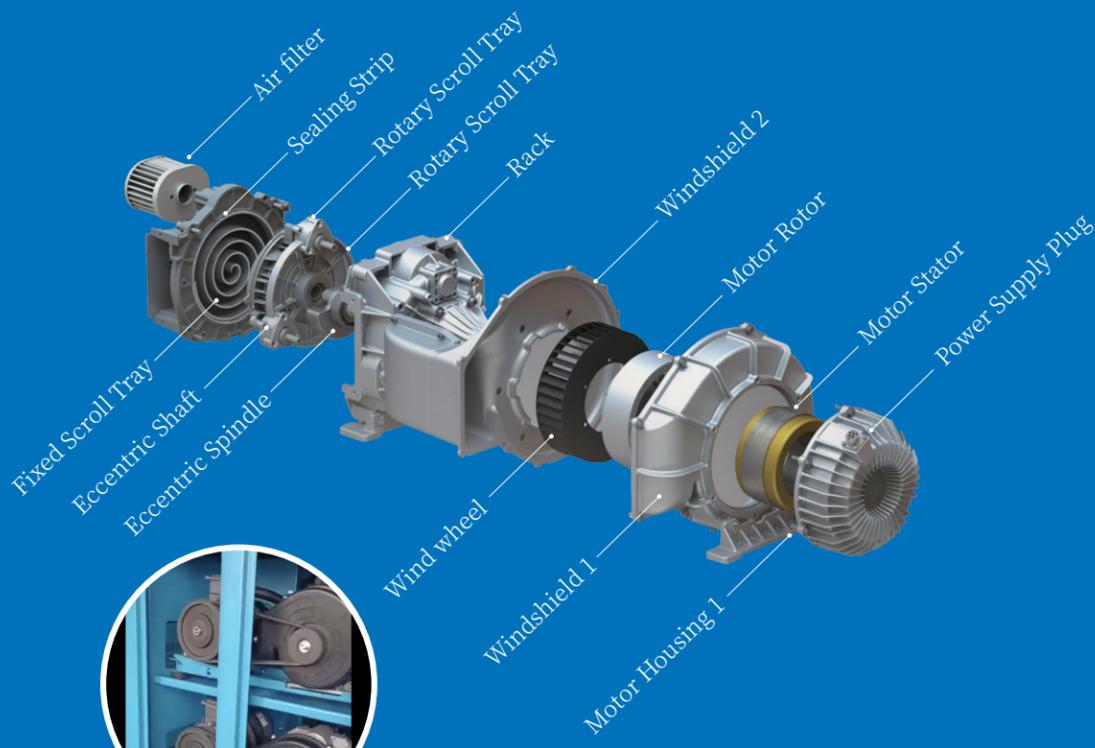
LUOYOU Compressor (Shanghai) Co., Ltd. was established at the beginning of the 21st century, located in the China's financial center - Shanghai, is a professional manufacturer of screw air compressors (oil-free and micro-oil), air blowers, vacuum pumps, scroll machines and large-scale air source equipment such as dryers, refrigerated dryers, filters and tanks. The company adheres to the German industrial advanced design concept and rigorous manufacturing technology, combined with the domestic and international markets, and relying on the company's own strong scientific research strength, constantly updated, and give full play to the advantages of professional design, manufacturing, to ensure that each compressor to reach the international first-class level, reputation and quality has always been in the industry in a leading position.

"LUOYOU" is committed to serving our numerous users around the world, products are widely used in machinery, food, medical, electronics, textiles, automotive, mining, construction, building materials and other industries. With the service tenet of "customer first, credit first, quality first, service first", the business philosophy of "quality for survival, reputation for development", innovative technology and strong sales and service team, we are dedicated to providing the best solution and service for every customer's compressed air system. LUOYOU is dedicated to providing the best solution and fast quality service for every customer's compressed air system.

"LUOYOU" adheres to the development of technology, continuous innovation, and successively exported products to Asia, Europe, Africa, Oceania and America and other countries and regions. Strictly following the production management under CE and ISO9001 international quality system. LUOYOU ensures every product meets the highest international standards allows the company to continue to maintain its position as an industry leader. With full enthusiasm, sincere cooperative attitude and mutual benefit business philosophy, LUOYOU always warmly welcome customers at home and abroad.

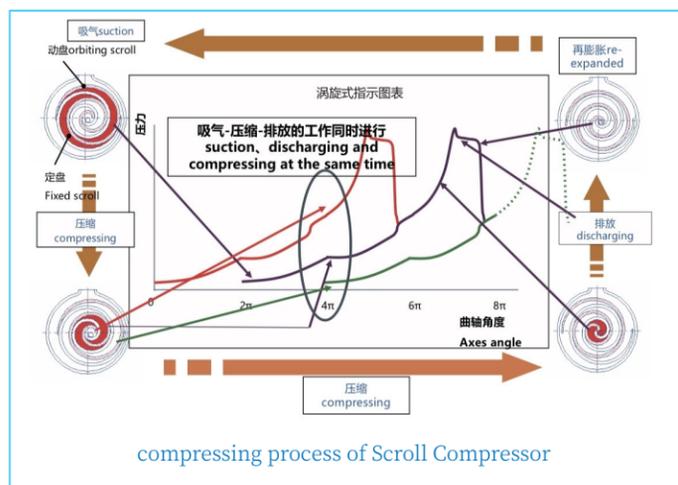


Become an excellent supplier in the field of Oil-free Scroll aerodynamics



Principle of Oil-free Scroll Compressor

LUOYOU scroll compressor adopts the patented line of static and dynamic scroll disk to complete the suction, compression and exhaust work process. One of the static disk is fixed in the frame, while the dynamic disk by the eccentric shaft drive and by the anti-rotation mechanism constraints around the center of the static disk base circle for a very small radius of the flat annual rotation. Air from the periphery of the static scroll disk through the filter free inhalation, with the eccentric shaft rotation, the air in the static and dynamic scroll disk teeth composed of a number of pairs of crescent-shaped compression chamber is gradually compressed, and then discharged by the center of the static scroll disk continuously.



Characteristics of Oil-free Scroll Compressor

100% Oil-free

Oil-free Scroll Compressor's compression chamber and bearing chamber are completely separated, eliminating oil-containing air at the source of structural design, and there is no need to add lubricant in the process of use, no oil and condensate emissions during operation, which is truly zero emission, more environmentally friendly and economical, providing high-quality 100% oil-free compressed air.

Low Vibration

Rotation --- the vibration of circular rotation is much lower than that of reciprocating motion. Balance --- the high pressure area during rotation is around the center of the shaft, evenly distributed without eccentricity. Start-stop --- low running torque, superior start-stop.



Low Noise

No Inlet Valve --- No need to worry about valve closing noise, no need to worry about the characteristic "bang, bang" sound of piston compressors.

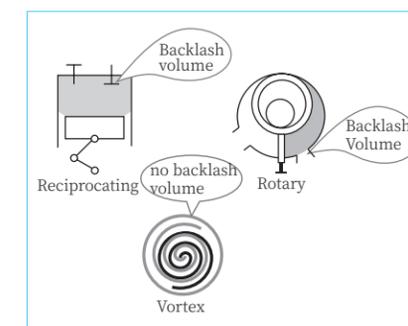
Low RPM --- Only 3,000 rpm, no high frequency beeping sound.

No oil --- no lubricating oil pipeline liquid striking sound.

Low airflow fluctuation --- continuous and stable suction and discharge, more than 6,000 times per minute, making the airflow pulsation is very small.

High Efficiency

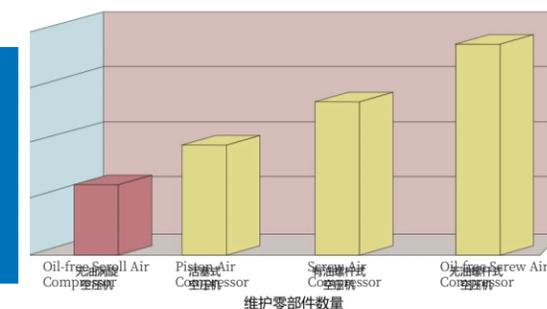
Compared with other structure air compressors, scroll air compressor adopts volumetric continuous exhaust, no gap volume, results the volumetric efficiency of scroll air compressor as high as 98% or more; adopting flexible sealing technology, utilizing the air force to float sealing, automatically compensating for the slow wear and tear of the material, improving the sealing performance, and reducing the leakage loss.



Higher Reliability

High machining accuracy, up to μm level, after precision cutting, the surface of the vortex mainframe is treated with special coating to ensure its lasting use in various environments, more stable and reliable. The material of the product has been heat-treated by T6 and semi-solid die-casting molding, with high mechanical strength and elongation, reaching the level of aviation and military technology. Equipped with large-capacity multi-plate cooling fan and after-cooler, it ensures effective cooling of the mainframe, and it can be operated stably even at high ambient temperature.

Unique silent, micro-vibration, to provide with a comfortable working space, supply clean air, care for health while reducing costs, automatic control of the number of operating units to avoid unnecessary operation, energy-saving effect is remarkable. This is LUOYOU Oil-free Scroll Compressor.

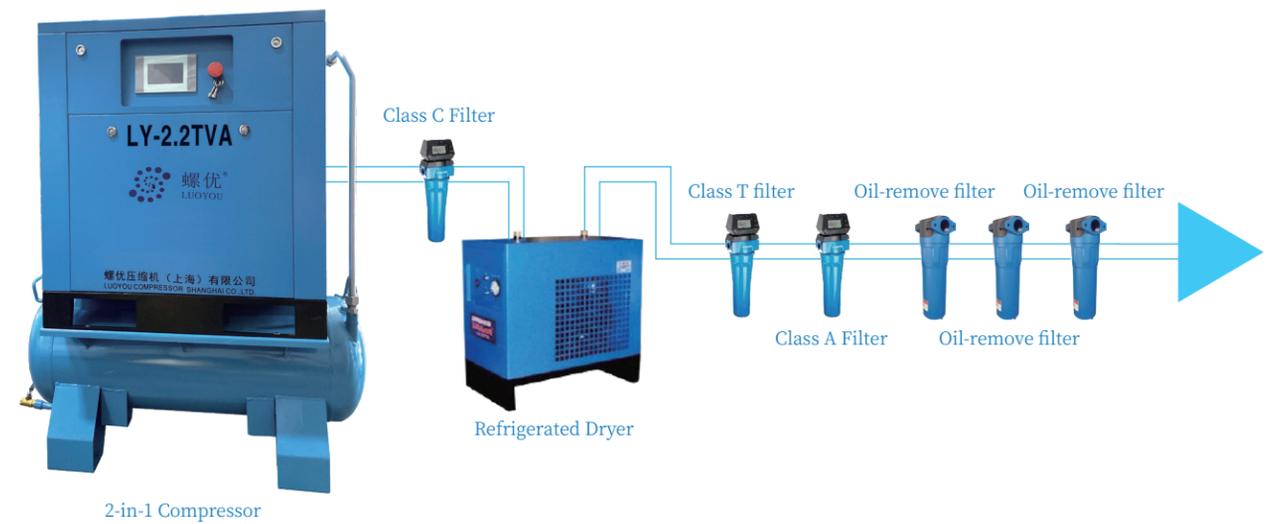


Products

■ Compact Design, Light Weight, High Reliability, Long Service Life, Low Maintenance Cost



■ Pure Air, Plug & Play, Low Noise, Energy Efficiency



Compressor Only								
Model	Power (KW/HP)	Power	MPa	m ³ /min	Dia.	Dimension LxWxH (mm)	wflight (kg)	Noise Level dB(A)
LY-1.5VA	1.5/2	380V 50Hz	0.8	0.13(1*0.13)	G1/2	650*500*870	122	65
LY-2.2VA	2.2/3			0.24(1*0.24)		650*500*870	125	
LY-3.7VA	3.7/5			0.4(1*0.4)		680*540*930	105	
LY-5.5VA	5.5/7.5			0.6(1*0.6)		850*700*1050	155	
LY-7.5VA	7.5/10			0.8(2*0.4)	G3/4	1065*775*955	280	
LY-11VA	11/15			1.2(2*0.6)		G1	1130*800*1085	
LY-15VA	15/20			1.6(1*0.4+2*0.6)	1130*800*1515		648	
LY-16.5VA	16.5/22.5			1.8(3*0.6)	1130*800*1515		556	
LY-22VA	22/30			2.4(4*0.6)	1130*800*1945		878	
LY-30VA	30/40			3.2(2*0.4+4*0.6)	G1-1/4	2200*1130*1515	1110	
LY-33VA	33/45			3.6(6*0.6)		2200*1130*1515	1110	
LY-38.5VA	38.5/52.5			4.2(7*0.6)	G1-1/2	2200*1130*1945	1201	
LY-44VA	44/60			4.8 (8*0.6)		2200*1130*1945	1250	

2-in-1								
Model	Power (KW/HP)	Power	MPa	m ³ /min	Dia.	Dimension LxWxH (mm)	wflight (kg)	Noise Level dB(A)
LY-1.5TVA	1.5/2	380V 50Hz	0.8	0.13(1*0.13)	G1/2	1100*610*1370	122	65
LY-2.2TVA	2.2/3			0.24(1*0.24)		1100*610*1370	125	
LY-3.7TVA	3.7/5			0.4(1*0.4)		1100*610*1430	105	
LY-5.5TVA	5.5/7.5			0.6(1*0.6)		1100*610*1550	155	
LY-7.5TVA	7.5/10			0.8(2*0.4)		1300*780*1550	280	
LY-11TVA	11/15			1.2(2*0.6)		1800*800*1765	496	

LUOYOU Oil-free Scroll Compressor



Refrigerated Dryer



Environmental-friendly



High-tech



Low Cost



Low Noise

Products

Products

■ Integrated Oil-free Scroll Air Compression System of Scroll Compressor, Refrigerated Dryer and Air Receiver Tank

■ ISO8573 Class 0 Oil-free Compression, Lower Noise, Smaller Pulsation of The Air Supply, Durable and Environment-friendly



Skid-mounted Scroll Air Compression System

Customized

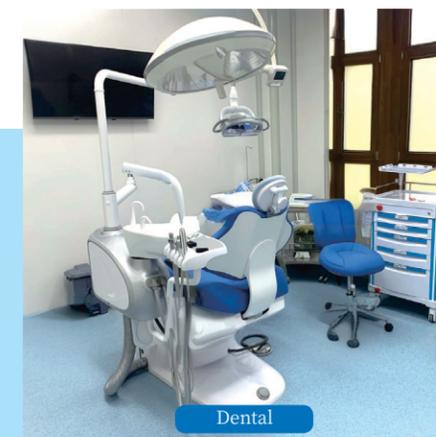
Oil-free Scroll Compressor

Medical & Pharmaceuticals

4-in-1									
Model	Power (KW/HP)	Power	MPa	m ³ /min	Outlet dew point°C	Dia.	Dimension LxWxH (mm)	wfight (kg)	Noise Level dB(A)
LY-2.2ZTVA	2.2/3	3Ph 380V 50Hz	0.8	0.22	-15	G3/4	1390*630*1445	235	62
LY-3.7ZTVA	3.7/5			0.38	-15	G3/4	1390*630*1445	260	63
LY-5.5ZTVA	5.5/7.5			0.57	-15	G3/4	1390*630*1445	280	65
LY-7.5ZTVA	3.7*2/10			0.76	-15	G1	1800*800*1600	480	65
LY-11ZTVA	5.5*2/15			1.14	-15	G1	1800*800*1600	510	65



Biomedical



Dental



Medical Equipment Strap

Application Scenario

The Future Oil-free Vortex Market Will Have A Wider Range of Applications

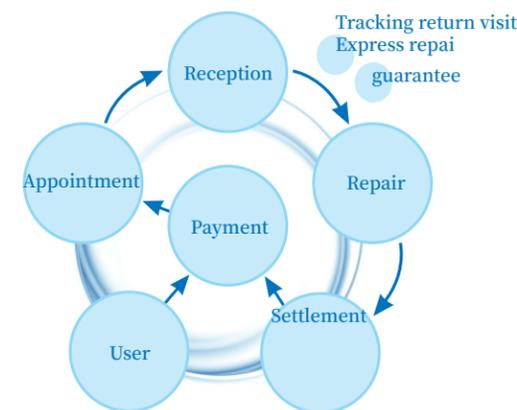


- LUOYOU Oil-free Scroll Compressor have been widely used in various industries and application scenarios, with its high quality, clean and oil-free compressed air solution.
- LUOYOU Oil-free Scroll Compressor will provide with high quality, clean and oil-free compressed air, to improve the quality of products and minimize production risks. Whether you belong to the food and beverage, pharmaceutical, precision electronics or other related industries.

CONSIDERATE SERVICE

Secure after sale

LUOYOU values great importance to after-sales service, we pay maximum attention to all customer requirements for service and spare parts, all spare parts will be delivered to the location specified by the customer in the shortest possible time, in addition, according to the customer's needs, we will send service engineers to the site of the operation and provide assistance!



CHOOSE LUOYOU,
NO WORRIES AFTER SALE!

Fast and professional after-sales service

LUOYOU has a professional after-sales service team with after-sales service points in major cities all over the country to provide timely and professional service support and genuine original parts.

- Provide professional start-up and commissioning services, as well as user training guidance;
- Promised 4-hour rapid response, 24-hour on-site service;
- Professional personnel, professional tools to provide fault diagnosis and maintenance services;
- Regular door-to-door inspection, provide planned maintenance advice;
- Original genuine spare parts, worry-free after sale;
- Provide proactive consulting services to optimize equipment operation and management and improve energy efficiency;
- Provide energy-saving renovation and optimization services.