



上海汉钟精机股份有限公司(总部)

上海市金山区枫泾镇亭枫公路8289号

Shanghai Hanbell Precise Machinery Co.,Ltd.

Add: No.8289,Tingfeng Road,Fengjing Area,Jinshan District,Shanghai

Tel: 021-57350228

Fax: 021-31106889/57352004

上海汉钟精机股份有限公司枫泾一厂

上海市金山区枫泾镇建重路108号

Shanghai Hanbell Precise Machinery Co.,Ltd.Fengjing Factory NO.1

Address: No.108, Jianzhong Road, Fengjing Town, Jinshan District, Shanghai

Tel: 021-57350280

Fax: 021-31106805

上海汉钟精机股份有限公司济南分公司

山东省济南市长清区玉清路222号珠苑(谷里镇金山工业园)

Shanghai Hanbell Precise Machinery Co.,Ltd.Jinan Branch Office

Add: No.4, Yuqing Road, Shandong Province, Vallage International Enterprise Port, No.222, South Section of Yuqing Road, Changqing District, Jinan, Shandong Province.

Tel: 0531-85060071

Fax: 0531-85060071

上海汉钟精机股份有限公司南京分公司

江苏省南京市江宁区双龙大道1706号B栋一楼

Shanghai Hanbell Precise Machinery Co.,Ltd.Nanjing Branch Office

Add: B1F, No.1706, Shuanglong Road, Jiangning District, Nanjing, Jiangsu Province.

Tel: 025-52078091 / 52078092 / 52078093

Fax: 025-52078090

上海汉钟精机股份有限公司广州分公司

广东省广州市番禺区石基镇文边村文坑路联旺工业园15号厂房

Shanghai Hanbell Precise Machinery Co.,Ltd.Guangzhou Branch Office

Add: No.15, Wenbian Village, Shiji Town, Panyu District, Guangzhou, Guangdong Province.

Guangzhou, Guangdong Province

Tel: 020-39921111

Fax: 020-39921111

021-57350228



无油涡旋空气压缩机原理

Principle of Oil-Free Scroll Compressor

无油涡旋空气压缩机由两相啮合的静涡旋盘和动涡旋盘组成。在运转过程中，两相涡旋盘



随着心轴旋转，气环沿两涡旋盘齿顶线运动，对气环内腔容积逐渐压缩，然后

As the eccentric shaft rotates, the gas ring moves along the top line of the two scrolls, gradually compressing the volume of the inner cavity of the gas ring, and then

智能制造

汉钟通过引入智能制造技术，实现生产过程的自动化、智能化，提高了产品的质量和生产效率，降低了能耗和环境污染，成为无污染的绿色智能工厂。



With the introduction of intelligent manufacturing technology, Han Zhong has realized the automation and intelligence of the production process, improved the quality and production efficiency of the products, reduced energy consumption and environmental pollution, and become a pollution-free green intelligent factory.



静涡旋 Stationary vortex

动涡旋 Dynamic vortex

Stationary vortex

Dynamic vortex

development. Han Zhong Intelligent 4.0 to improve the level of intelligent Han Zhong, reduce energy consumption, improve



密封环

气环

Body inspection center

Assembly of scroll compressor scroll vortices and pressure test center



Oil-free scroll compressor assembly diagram

无油涡旋

汉钟无油涡旋空气压缩机

OIL-FREE SCROLL AIR COMPRESSOR

强大的产品

为每一种汽车设计

Powerful products

Designed for every car.



涡旋式压缩机，是目前世界上最先进的压缩机之一。对比传统活塞式压缩机有存油风险，导致车辆着火、刹车失灵、异响、老化、严重危及乘客生命安全。汉钟新型ASF系列无油涡旋空压机采用全新设计，杜绝漏油现象，实现静音运行，为全部车型保驾护航，并采用世界领先的静音设计(专利技术)，传递超抗疲劳等级及寿命。

Scroll compressor products are the most advanced compressors in the world. Compared with traditional piston compressors, scroll compressors have the risk of oil storage, which causes vehicle fire, brake failure, abnormal noise, aging, seriously endangering the safety of passengers and their lives. The new ASF series oil-free scroll air compressor adopts a brand-new design, eliminates oil leakage, realizes quiet operation, and provides protection for all models. It also adopts world-leading quiet design (patent technology) to provide super anti-fatigue grade and service life.

可靠耐用 HIGH RELIABILITY

涡旋设计最佳化，超精密加工。

Scroll design optimization, ultra-precision machining.



汉钟无油涡旋空气压缩机

系列	排量 (L/min)	功率 (kW)	转速 (rpm)	噪音 (dB)	寿命 (h)
ASF10	10	1.5	1400	55	10000
ASF15	15	2.2	1400	55	10000
ASF20	20	3.0	1400	55	10000
ASF25	25	3.7	1400	55	10000
ASF30	30	4.5	1400	55	10000
ASF35	35	5.2	1400	55	10000
ASF40	40	6.0	1400	55	10000
ASF45	45	6.7	1400	55	10000
ASF50	50	7.5	1400	55	10000
ASF55	55	8.2	1400	55	10000
ASF60	60	9.0	1400	55	10000
ASF65	65	9.7	1400	55	10000
ASF70	70	10.5	1400	55	10000
ASF75	75	11.2	1400	55	10000
ASF80	80	12.0	1400	55	10000
ASF85	85	12.7	1400	55	10000
ASF90	90	13.5	1400	55	10000
ASF95	95	14.2	1400	55	10000
ASF100	100	15.0	1400	55	10000



超低重量 LOW WEIGHT

降低运营成本，增加运行时间。
Reduce operating costs and increase runtimes.



超小体积 SMALL FOOTPRINT

充分利用有限的空间。
Make full use of limited space



超低噪音 LOW SOUND

确保环境的舒适。
To ensure the comfort of the environment



超高能效 ULTRA-HIGH ENERGY

智能控制，循环启停控制节省能耗。
Intelligent control, cycle start and stop control to save energy.



低生命周期成本 LOW LIFE CYCLE COST

易操作维护，易更换零件。
Easy to operate and maintain, no wearing parts.

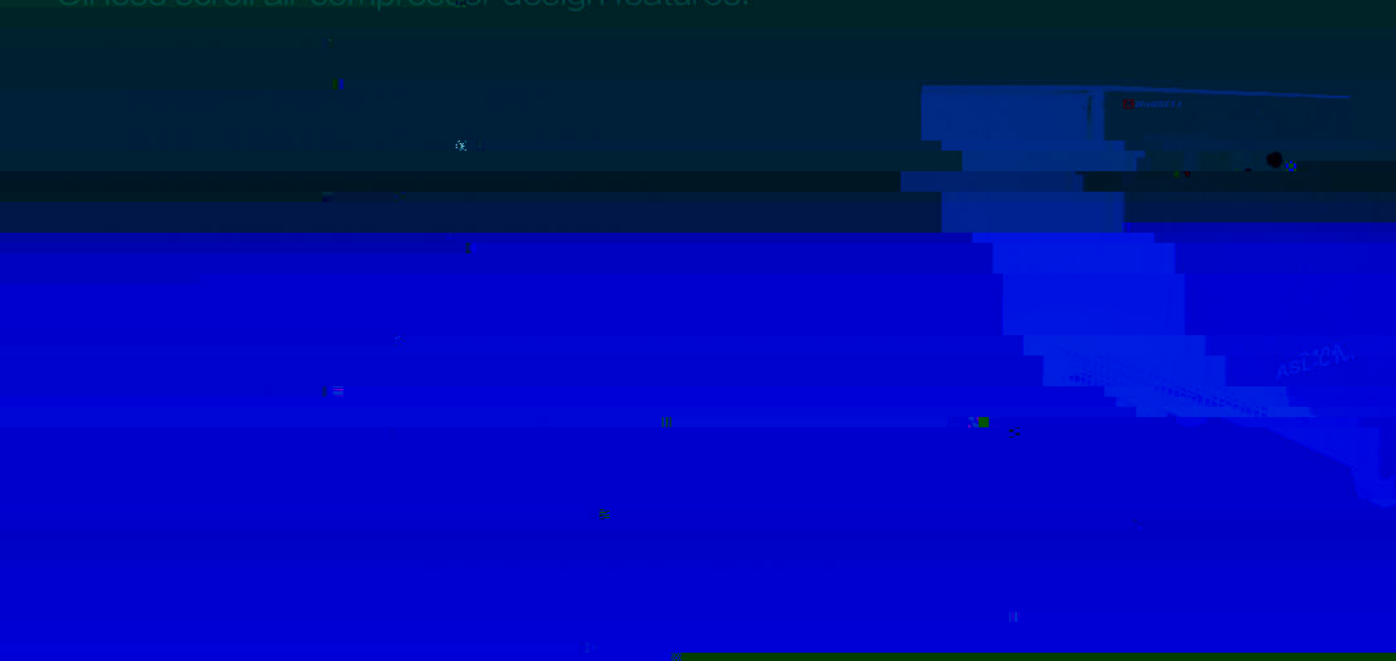
无油涡旋压缩机设计特点

Oil-free scroll compressor design features:



无油涡旋压缩机设计特点

Oil-free scroll compressor design features:



无油涡旋压缩机设计特点

1. 无油设计，符合环保要求，适用于食品、医药等行业。
2. 结构紧凑，体积小，重量轻，便于安装和运输。
3. 运行平稳，噪音低，使用寿命长。
4. 维护简单，无需更换润滑油，降低维护成本。
5. 能效高，运行成本低。

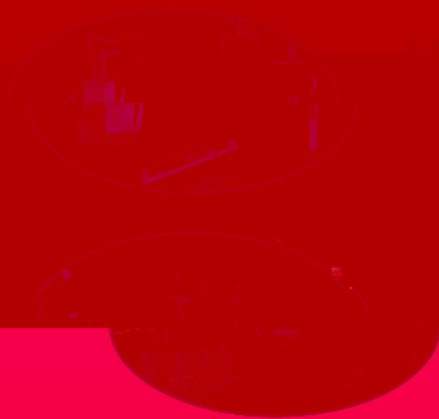
6. 采用先进的涡旋压缩技术，压缩效率高，排气温度低。
7. 具有过载保护功能，确保设备安全可靠运行。
8. 可根据客户需求定制不同规格和功率的压缩机。
9. 符合CE、UL等国际认证标准，品质有保障。
10. 提供完善的售后服务和技术支持。

11. 采用优质材料制造，耐腐蚀性强。
12. 具有智能控制功能，可实现远程监控和故障诊断。
13. 运行稳定，无振动，无冲击。
14. 节能环保，符合国家节能减排政策。
15. 广泛应用于工业、商业、农业等领域。

应用领域 application



4S店(车辆喷漆)/新能源汽车(制动、雨刮气门),
4S store (car painting) / New energy car (brake, wiper valve),



制药工业(制药业的搅拌),
Pharmaceutical industry (agitation of pharmaceutical industry),



制药工业(制药业的搅拌),
Pharmaceutical industry (agitation of pharmaceutical industry),



食品工业(啤酒业的搅拌),
Food industry (agitation of brewing industry)



纺织工业(喷气织机),
Textile industry (air-jet loom),

服务与支持

Service And Support

服务网络覆盖全球, 服务支持保障有力

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful

Service network covers the whole world, service support guarantee is powerful