



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: 021-57350280

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贡路108号

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

Add: No.108,Jiangong Road,Fengjing Area,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南段2222号联东U谷国际企业港4号楼

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

Add: No.4,Building,Liandong U Valley International Enterprise Port,No.2222,South Section of

Yuqing Road,Changqing District,Jinan,Shandong Province.

Tel: 0531-85060076

Tel: 021-52078091/52078092/52078093

Fax: 021-52078090

上海汉钟精机股份有限公司广州分公司





智能制造

“工业4.0”、“智能制造”已是制造业发展的大趋势。汉钟作为流体机电行业的领军企业，始终走在技术发展的前沿。汉钟智能4.0提高了汉钟的智能化水平，降低能耗，提高生产效率，节能环保，成就无污染绿色智能工厂。

Intelligent manufacturing

"Industry 4.0," "smart manufacturing" is the development trend of manufacturing. Hanzhong as a fluid mechanical and electrical industry leader, always walk in the forefront of technological development. Hanzhong intelligent 4.0 improve the level of intelligent Han Zhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection, achieve pollution-free green intelligent factory.

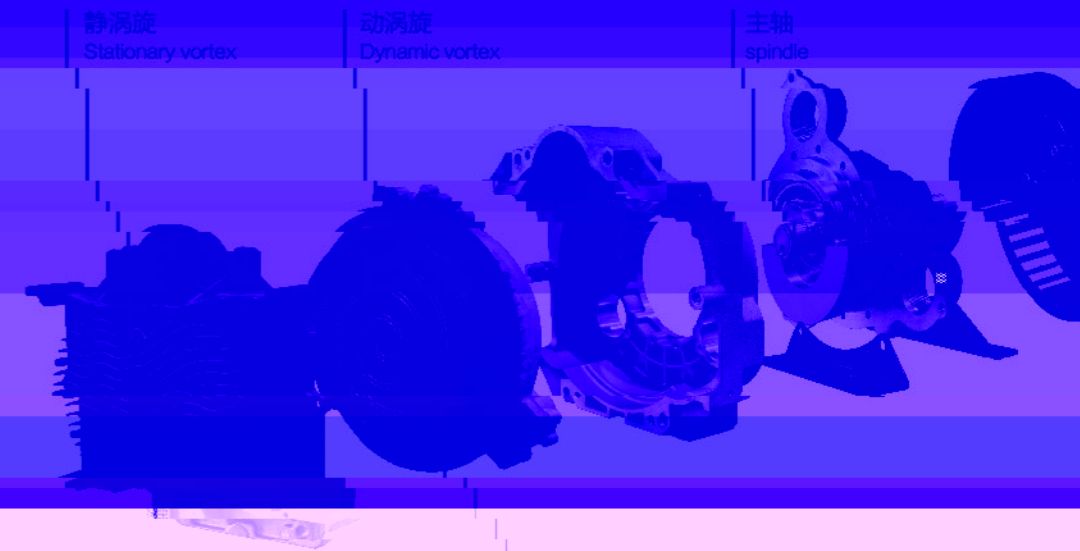
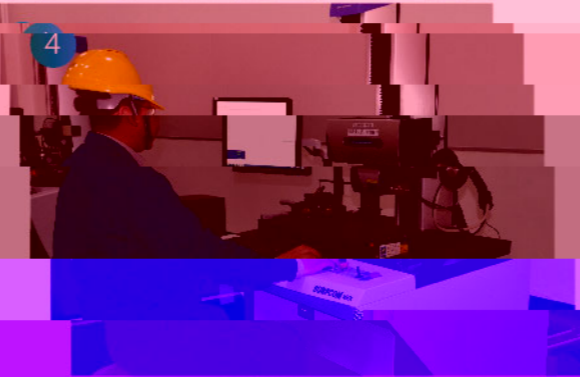
- | | | |
|---|--|---|
| 1、磨床加工机 Grinding machine | 2、车床加工机 Lathe machine | 3、三次元量床 Coordinate measurement machine |
| 4、表面粗糙度测量床 The surface roughness measuring bed | 5、零部件清洗系统 Parts cleaning system | 6、涡旋机体组装线 Scroll assembly line |
| 7、压缩机体检测中心 Compressor body detection center | 8、涡旋空压机组装线 Assembly line of scroll compressor | 9、涡旋机组性能检测中心 Scroll unit performance test center |

无油涡旋式压缩机原理

Principle of oil-free scroll compressor

汉钟涡旋压缩机采用专利型线的动静涡盘相互啮合而成完成吸气、压缩和排气的工作过程。其中静盘固定在机架上不动，动盘由偏心轴驱动并由防自转机构制约围绕静盘基圆中心作很小半径的平年转动。气体由静涡卷盘的外围通过滤清器自由吸入，随着偏心轴旋转，气体在动静涡卷盘齿合所组成的舌十对月牙形压缩室被逐渐压缩，然后由静涡卷盘中心部位连续排出。

Hanzhong Scroll Compressor uses a patented line of static and dynamic scrolls are intertwined to complete the work process of suction, compression and exhaust. The static scroll is fixed on the frame and does not move, the dynamic scroll is driven by the eccentric shaft and is controlled by the anti-rotation mechanism for the turning of the small radius. The gas is freely sucked through the periphery of the vortex scroll through the filter. As the eccentric shaft rotates, the gas is gradually compressed in the crescent-shaped compression chamber composed of the static and dynamic scrolls and then compressed by the central part continuously discharge.



无油涡旋机规格表 Oil-free scroll air compressor specification

强大的产品

为每一辆汽车设计

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。相较于传统微型空压机存在漏油风险，导致发动机老化、刹车失灵、制动系统零件老化，严重危及乘客生命安全。汉钟新型ASF系列无油涡旋空压机全无油设计，杜绝漏油问题，零故障运行，为生命保驾护航，并采用世界领先的盾型设计(专利技术)，使整机防护等级达到IP67。

Scroll compressor, compressor is one of the world's most advanced. Compared with the traditional micro air compressor oil leak risk, causing the vehicle or fire, brake failure, aging components, seriously endanger the safety of the passengers. The new ASF series Hanbell oil-free scroll air compressor oil free design, prevent leakage, zero fault operation, for life escort, and direct the world's leading design (patent technology), with advanced protection level IP67.



最高能效
60%
最高转速
12000转/分

无油涡旋压缩机规格表 Oil-free scroll air compressor specification sheet

Oil-free scroll air compressor specification sheet

| Model | Rated Power (kW) | Rated Capacity (L/min) | Rated Pressure (bar) | Rated Displacement (L/min) | Rated Voltage (V) | Rated Frequency (Hz) |
|----------|------------------|------------------------|----------------------|----------------------------|-------------------|----------------------|
| ASF-08B1 | 2.2 | 3 | 8 | 250 | 1/2" | 64 |
| ASF-08A1 | | | 10 | 215 | | |
| ASF-08B1 | 3.7 | 6 | 8 | 410 | 1/2" | 65 |
| ASF-08A1 | | | 10 | 355 | | |
| ASF-08A1 | 5.5 | 8 | 8 | 570 | 3/4" | 66 |
| ASF-08B1 | | | 10 | 490 | | |



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



超高节能
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.



超低运行成本
LOW LIFECYCLE COSTS

易操作易维修，无易损件。
Easy to operate and repair, no wearing parts.



高可靠性
HIGH RELIABILITY

涡旋设计模块化，超精密加工。
Swirl design of ultra precision machining.

无油涡旋机组设计特点

Oil-free scroll unit design features:



微油涡旋机组设计特点

Oil-less scroll air compressor design features:



无油涡旋机组规格表 Oil-free scroll air compressor unit specification table

1. 本表所列规格仅供参考，不作为合同附件。如有更改，恕不另行通知。
2. 本表所列规格仅供参考，不作为合同附件。如有更改，恕不另行通知。

| 型号 Model | 电机输出功率 Motor output power | 额定压力 Rated pressure | 空气流量 Air provision | 排气接口 Exhaust interface | 噪音 Noise |
|----------|------------------------------|------------------------|-----------------------|---------------------------|-------------|
| | kW | HP | L/min | inch | dB(A) |
| ASF-B27B | 3.7 | 5 | 10 | 1-1/2" | 74±2 |
| ASF-B30A | 5.5*4 | 30 | 8 | 1-1/2" | 74±2 |
| ASF-B30B | | | 10 | | |

微油涡旋机组规格表

Oil less scroll air compressor specification table

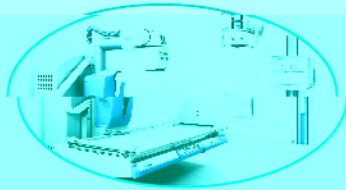
| 型号 Model | 电机输出功率 Motor output power | | 额定压力 Rated pressure | 空气流量 Air provision | 排气接口 Exhaust interface | 噪音 Noise |
|----------|------------------------------|----|------------------------|-----------------------|---------------------------|-------------|
| | kW | HP | bar | L/min | inch | dB(A) |



▶ 应用领域 application



4S店(车辆喷漆)/新能源大巴(制动、雨刷气门)
4S shop (car spray painting) / new energy bus (brake, wiper valve)



医疗器械(牙医、制氧等医疗气源)
Medical instruments (dentist, oxygen and other medical air sources)



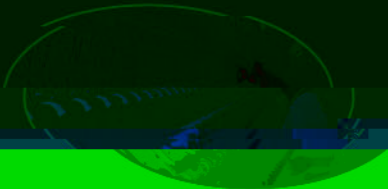
电子工业(装配清洁用气)
Electronics industry (assembly, cleaning, etc.)



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

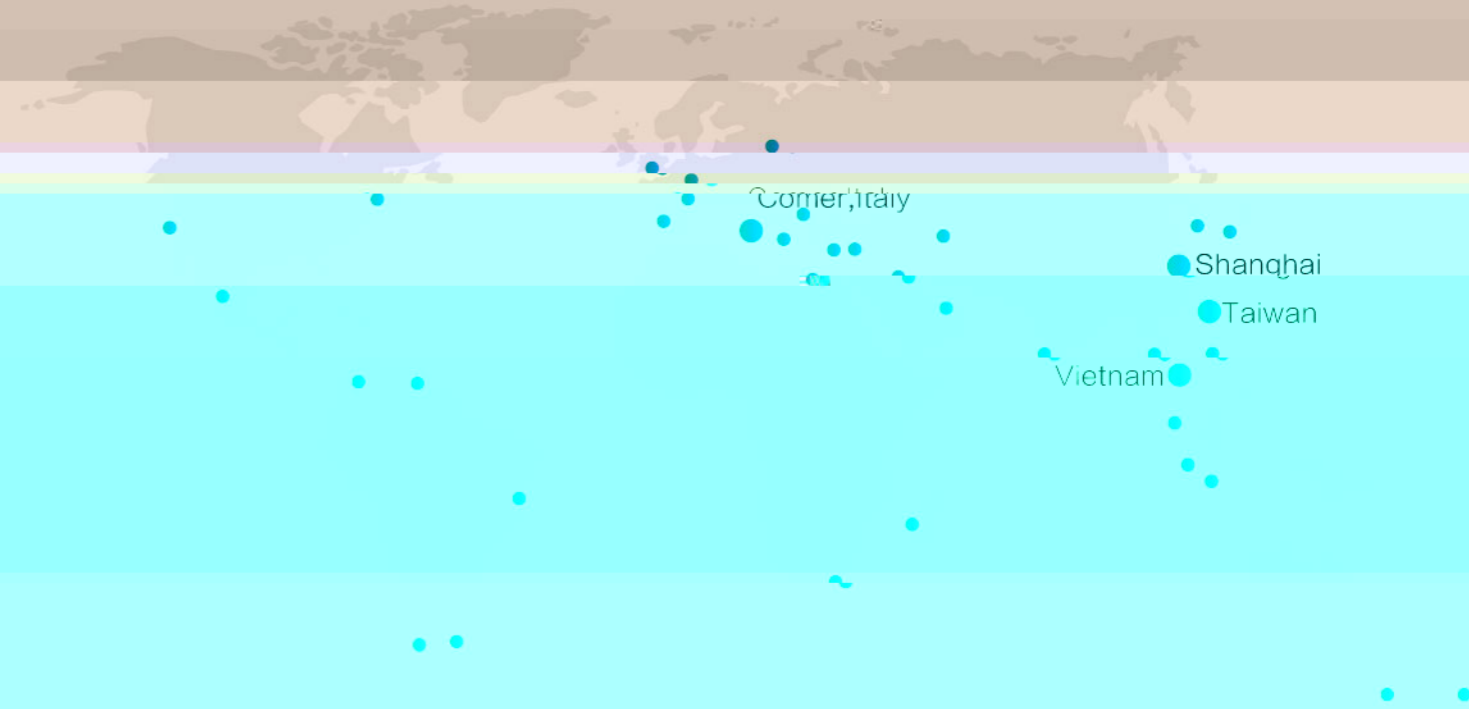


食品工业(啤酒业的搅拌)
Food industry (agitation of brewing industry)



气体分离设备(吸附和膜分离制氮、制氧)
Gas separation equipment (adsorption and membrane separation, nitrogen and oxygen)

▶ 服务与支持 Service And Support



汉钟精机经过多年的努力与用心经营，从点的销售、线的推广到今天面的网络。建立了世界主要市场的全方位销售服务网络。

台湾桃园厂与大陆上海厂的双重支持保证销售的灵活性与稳定性。各地分公司与经销商的有效支持使汉钟产品在这个世界上任何一个角落都能得到最快捷的销售服务网络。

“创新、品质、服务”是汉钟的承诺，用完整的销售管理，结合各个产品销售网络，我们将提供最快捷，最有效率与品质的销售与服务。

Committed to innovation, quality and service, we have achieved a leading position in fluid mechanical and electrical fields.

Looking ahead, Hanbell Group will be the key compressor manufacturer and expert in the world.

With the support of our Taiwan Taoyuan factory and our Shanghai factory, we ensure the flexibility and stability of sales. The effective support of our local branches and distributors ensures that our products can be sold in any corner of the world.