



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: 021-57352004
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: 0531-85060071
Fax: 0531-85060071

上海汉钟精机股份有限公司南京分公司

江苏省南京市江宁开发区双龙大道1706号B栋一楼
Shanghai Hanbell Precise Machinery Co.,Ltd.Nanjing Branch office
Add: B1F No.1706,Shuanglong Road,Jiangning Development Zone,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,Wenkeng Road,Lianwang Industrial Park,Wenbian Village,Shijie Town,Pany District,Guangzhou,Guangdong Province
Tel: 020-34721075
Fax: 020-34723325

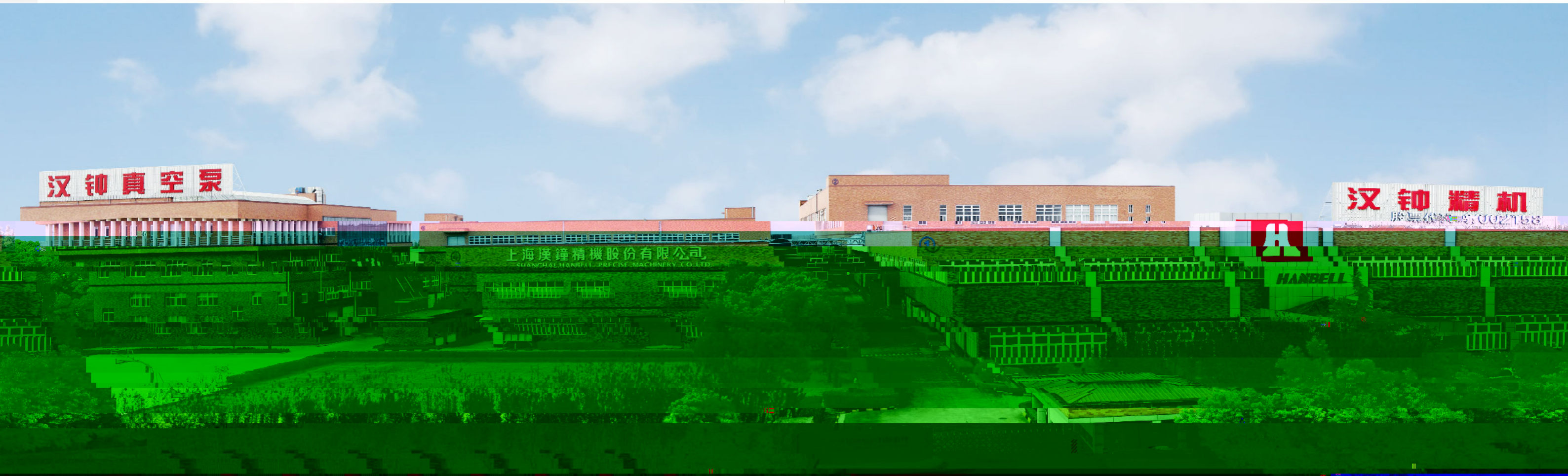
上海汉钟精机股份有限公司重庆分公司

重庆市南岸区海棠溪18号
Shanghai Hanbell Precise Machinery Co.,Ltd.Chongqing Branch office
Add: No.18,Yuma Road,Nan'an District,Chongqing
Tel: 023-62611068
Fax: 023-62611069

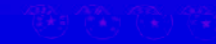
ASE/ASJ 系列

涡旋式空气压缩机

汉钟无油涡旋空气压缩机
OIL-FREE SCROLL AIREND



创新型企业





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，成就无污染的绿色智能工厂。

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 technology development. Hanzhong intelligent 4.0 improve the level of intelligent Hanzhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection. Hanzhong achieve the goal of building a 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、涡旋机体检测中心 | 8、涡旋空压机组装线 | 9、涡旋机性能检测中心 |

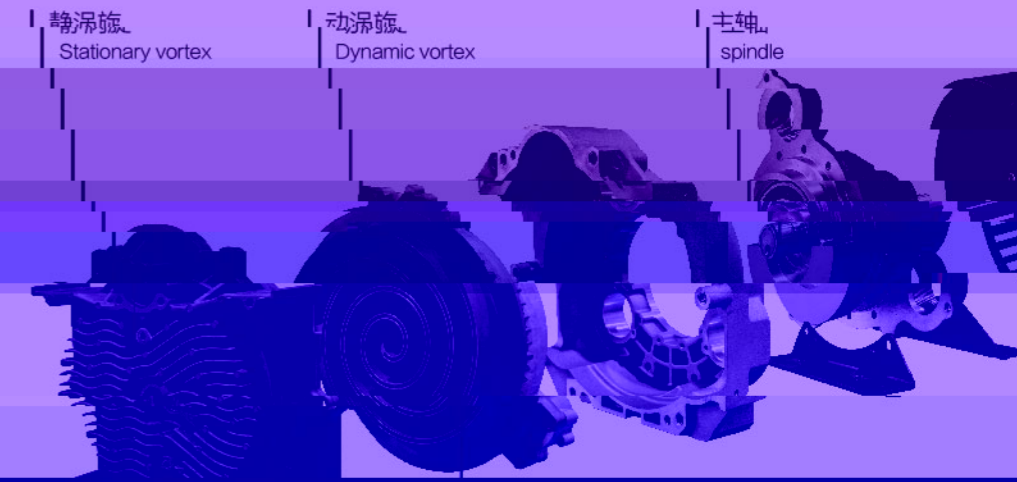
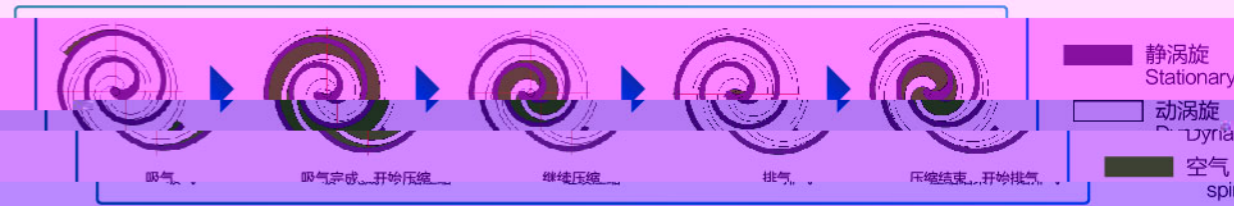
风扇
Fan

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公转运动。气体由静涡卷盘的外周通过滤清器自由吸入，随着动盘旋转，气体在动静涡卷盘齿槽所组成的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 suction, compression and exhaust process. 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 around the center of the static disk base circle. The gas is freely sucked through the periphery of the vortex 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

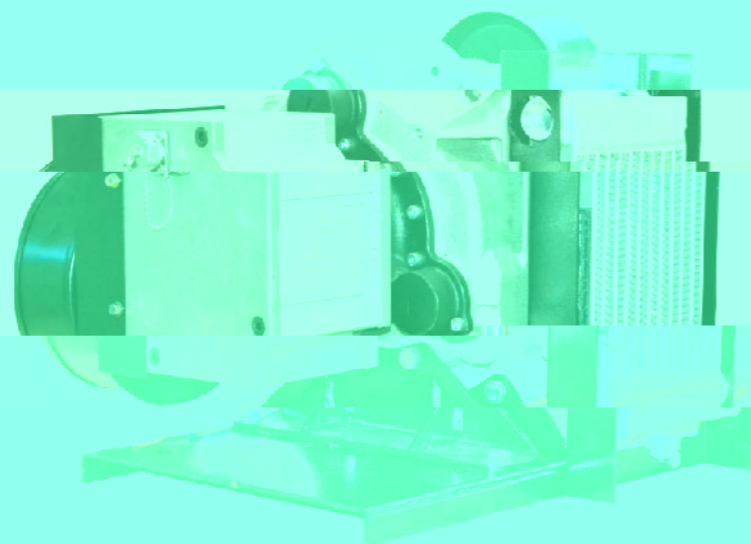
规格	1.5	2.2	3.0	4.0	5.5	7.5	11	15	22	30	45	60	90	120
排气量 (m³/min)	0.15	0.22	0.30	0.40	0.55	0.75	1.1	1.5	2.2	3.0	4.5	6.0	9.0	12.0
功率 (kW)	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	15	22	30	45	60
转速 (rpm)	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850	2850
外形尺寸 (mm)	100	120	150	180	220	280	350	450	550	700	900	1100	1400	1800
重量 (kg)	10	15	20	30	40	55	75	110	150	220	300	450	600	900

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。比较传统的微型空气压缩机存在漏油风险，导致车辆着火、刹车失灵、零部件老化，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。并采用业界领先的静音设计(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 on 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 industry system technology, could be used in various conditions.



↑
高容积效率
60%
最高转速
12000转/分

无油涡旋空压机规格表

Oil-free scroll air compressor specification sheet

型号 Model	额定输出功率 Nominal Output Power		额定压力 Rated Pressure	空气流量 Air production	接口尺寸 Interface Size	噪声值 Noise value
	KW	HP				
ASF-05A	2.2	3	8	250	1/2"	64
ASF-05B			10	215		
ASF-08A	3.7	5	8	410	1/2"	65
ASF-08B			10	355		
ASF-03A	5.5	8	8	570	3/4"	66
ASF-03B			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，循环启停控制节约能耗。
Intelligent control, cycle start and stop control to save energy.



超低运行成本

LOW LIFECYCLE COSTS

易操作和维修，无易损件。
Easy to operate and repair, no wear parts.



高可靠性

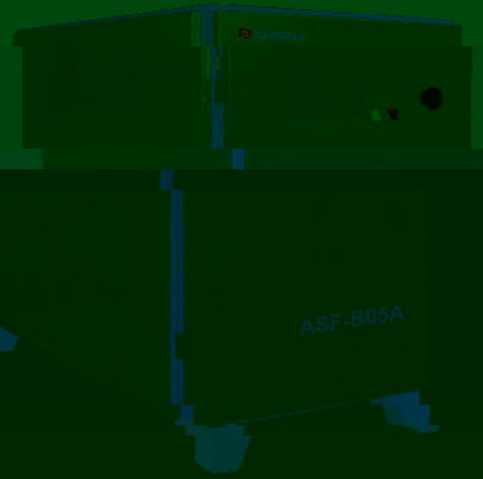
HIGH RELIABLE

涡旋设计最佳化，超精密制造。
Swirl design optimization, ultra-precision manufacturing.

无油涡旋机组设计特点

Oil-free scroll air compressor design features

- 1、空气系统中完全无油、无油污染，更清洁。
- 2、运动部件少，结构简单，可靠性高，使用寿命长。
- 3、无需更换润滑油及更换过滤器，无废液处理难题，更环保。



微油涡旋机组设计特点

Oil less scroll air compressor design features

- 1、空气体积小，含油量极低。
- 2、搭载智能彩色液晶控制系统，运行更优化。
- 3、噪音低，可直接放置在生产车间内，几乎无干扰。



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

型号 Model	电机输出功率 Motor output power		额定气压 Rated pressure	空气输出量 Air production	排气接口 Exhaust interface	噪音值 Noise value
	kW	HP				

微油涡旋机组规格表

Oil less scroll air compressor specification table

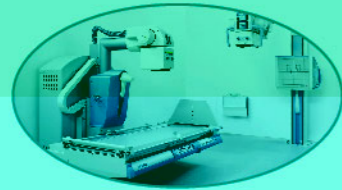
型号 Model	电机输出功率 Motor output power		额定气压 Rated pressure	空气输出量 Air production	排气接口 Exhaust interface	噪音值 Noise value
	kW	HP				



▶ 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)



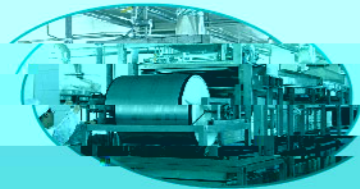
医疗器械(牙医、制氧等医疗气源)
Medical instruments (dental, oxygen and other medical sources)



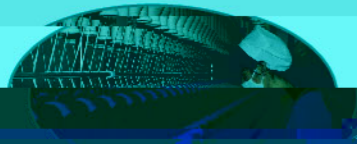
电子工业(装配清洁用气)
Electronics industry (assembly, cleaning, etc.)



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

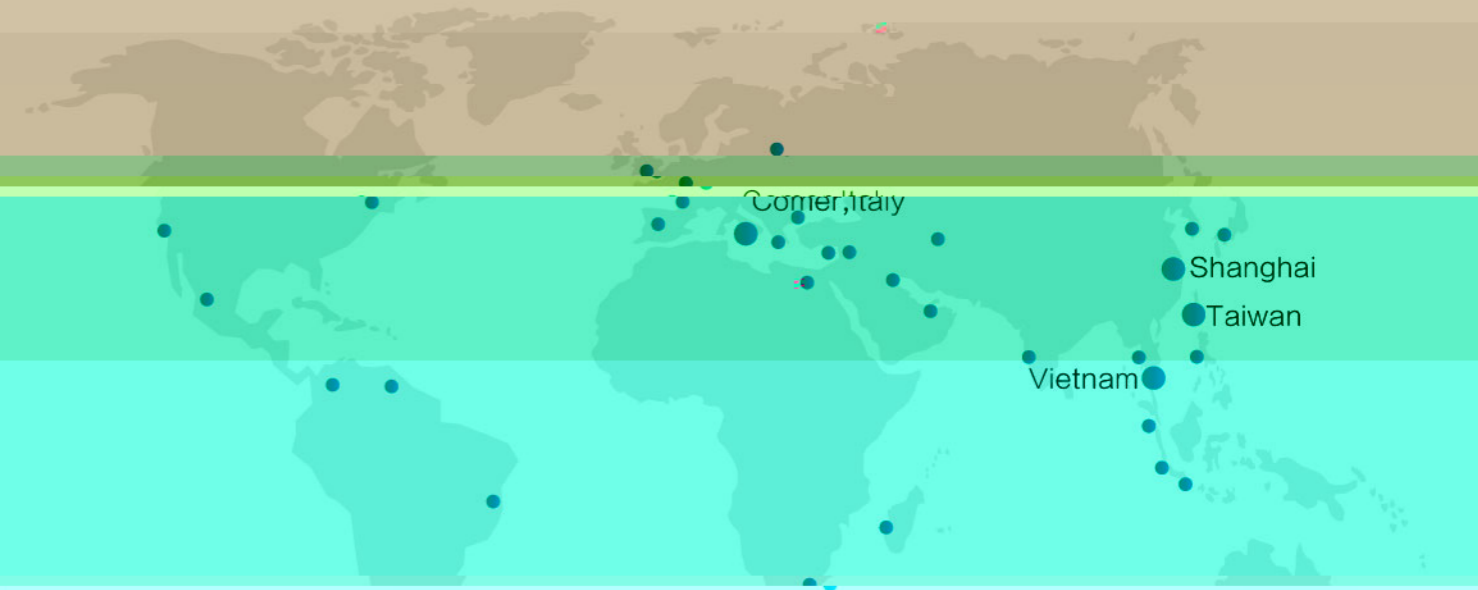


食品工业(酿造业的搅拌)
Food industry (agitation of brewing industry)



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

▶ 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的售后服务保障。

“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、最有效率与最优质的销售与服务。

我们以“世界第一”为目标，为创立中国人的骄傲奋斗不懈。“HANBELL”将会是压缩机界最响亮的品牌。

Vision:

Looking ahead HANBELL will double the business in the mechanical and electrical field.

Looking ahead HANBELL will double the business in the mechanical and electrical field.