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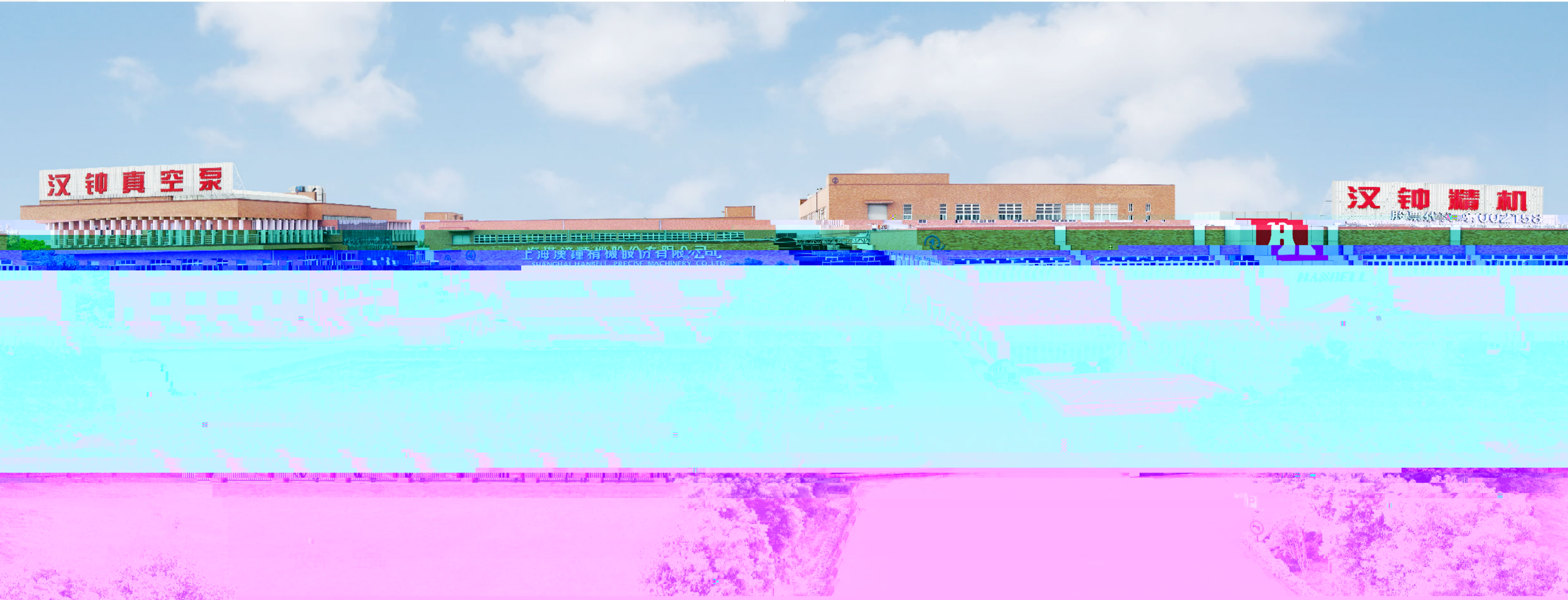
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AS系列

涡旋式空气压缩机

压缩机



汉钟精机简介

上海汉钟精机股份有限公司（股票代码：603123）是专业从事无油涡旋空气压缩机及精密机械产品的研发、生产、销售和服务的高新技术企业。

公司成立于1992年，总部位于上海浦东新区。经过多年的发展，公司已在全国范围内建立了完善的销售和服务网络，产品远销欧美、东南亚等地区。公司始终坚持以技术创新为核心，不断提升产品质量和竞争力。

公司拥有先进的生产设备和检测手段，拥有一支经验丰富、技术精湛的研发和生产团队。公司秉承“质量第一、客户至上”的经营理念，为客户提供高品质的产品和服务。公司先后通过了ISO9001质量管理体系认证和ISO14001环境管理体系认证。

汉钟精机产品广泛应用于汽车、电子、医药、食品、化工等行业。公司产品具有结构紧凑、运行平稳、噪音低、使用寿命长等优点，深受客户好评。未来，公司将继续加大研发投入，推动产品升级换代，为行业发展做出更大贡献。

After years of Cullen Hanshan has become well-known international marketing. Continued investment in resources for the Chinese mainland market, is to build

资质 / 荣誉：





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约束绕轴心作偏心回转的圆周运动。气体由静涡盘的开口通过过滤器由主气道吸入经动盘压缩后由静盘排气口排出。

静态涡盘
stationary vortex
动态涡盘
dynamic vortex
空气
spindle

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 technological development. Hanzhong intelligent 4.0 improves the intelligence of Hanzhong, reduce energy consumption, improve production efficiency, energy saving and environmental protection, achieve a green intelligent factory.



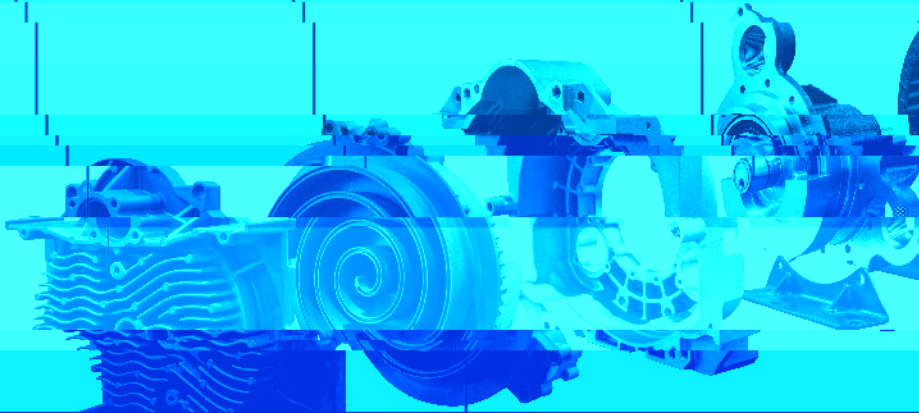
WORKING PRINCIPLE OF OIL-FREE SCROLL COMPRESSOR: The static scroll disk is fixed on the frame and driven by the eccentric shaft and is controlled by the anti-rotation mechanism for the turning of the scroll disk. The gas is sucked through the periphery of the static scroll disk. As the scroll disk rotates, 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 of the scroll disk and discharged.



静涡旋
Stationary vortex

动涡旋
Dynamic vortex

主轴
spindle



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

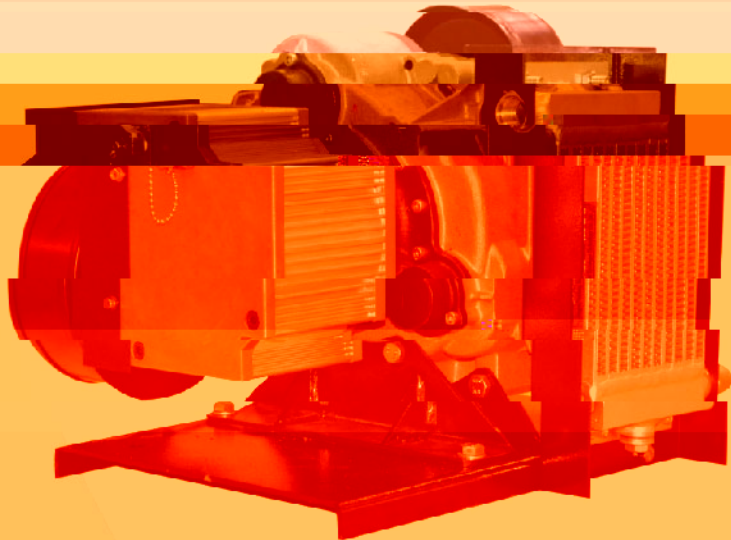
强大的产品
为每一辆汽车设计

Powerful products
Designed for every car

“涡旋式压缩机”是目前世界上最先进的机型之一。以往传统的微型空压机存在漏油风险，导致车辆着火、制动失灵等恶性事故，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。同时，并采用世界领先的壳体设计(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, 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 design / 涡旋式设计, 杜绝漏油问题, 零故障运行, 为生命保驾护航。

可靠性
RELIABILITY
最佳化, 超精密加工。
design optimization,
precision machining.



↑
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	马达输出功率 Motor output power		额定气压 Rated pressure	空气突出量 Air protrusion	排气接口 Exhaust interface	噪音值 Noise value
	kW	HP	bar	L/min	inch	dB(A)
ASF-05BI	2.2	3	8	200	1/2"	64
ASF-05BI			10	215		
ASF-08AI	3.7	5	8	410	1/2"	65
ASF-08BI			10	355		
ASF-03AI	5.5	8	8	570	3/4"	66
ASF-03BI			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, 便于智能控制并节能。
Intelligent control, easy to control and save energy.



超低运行成本

LOW LIFECYCLE COSTS

易操作和维修, 无磨损零件。
Easy to operate and repair, no wearing parts.



高可靠

HIGH RELIABILITY

涡旋设计, 无磨损。
Scroll design, no wear.



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:



微油涡旋机组规格表

Oil-less scroll air compressor specification table

型号 Model	马达输出功率 Motor output power		额定气压 Rated pressure	空气突出量 Air protrusion	排气接口 Exhaust interface	噪音值 Noise value
	KW	HP	bar	L/min	inch	dB(A)

无油涡旋机组规格表

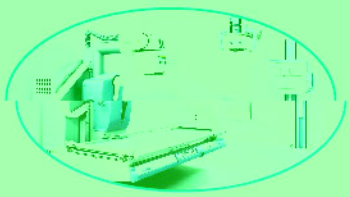
Oil-free scroll air compressor unit specification table

型号 Model	马达输出功率 Motor output power		额定气压 Rated pressure	空气突出量 Air protrusion	排气接口 Exhaust interface	噪音值 Noise value
	KW	HP	bar	L/min	inch	dB(A)

应用领域
application



汽车喷涂及新能源汽车（制动、雨刷气门）
4S shop (car spray, painting) / new energy bus (brake, wiper valve),



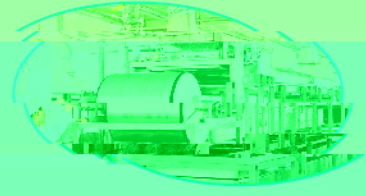
医疗器械（牙医、制氧等医疗气源）
Medical instruments (dentist, oxygen, medical air source)



电子工业（装配清洁用气）
Electronics industry (assembly, clean air use)



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



食品工业（酿造业搅拌罐）
Food industry (agitation of brewing industry)

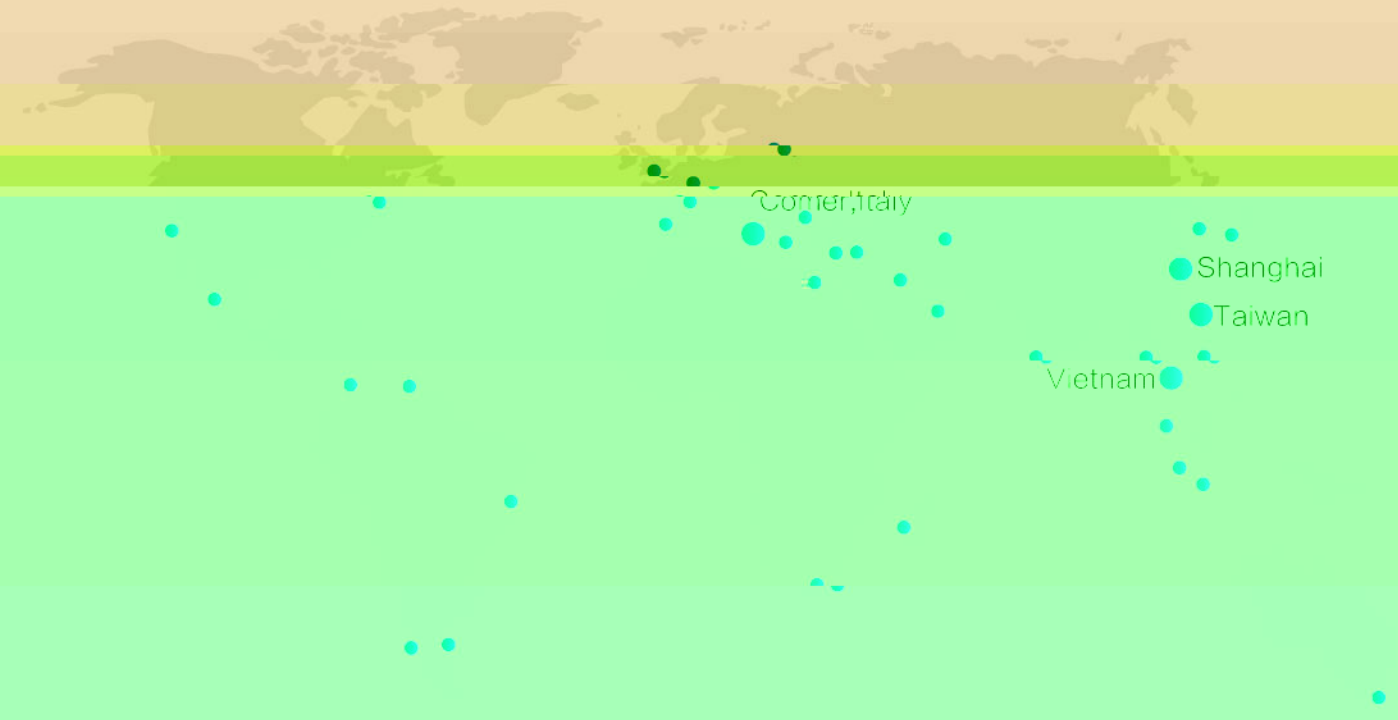


纺织工业（喷气织机）
Textile industry (air-jet looms)



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

服务与支持
Service And Support



汉钟特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世界任何一个角落都能得到及时有效的售后服务与保证。

“创新、品质、服务”是汉钟的承诺。用完整的销售管理程序结合各个产品的销售网络，我们将提供最快、最有效、最优质的售后服务与竞争力。

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:
Committed, HANBELL is a world leading brand in fluid mechanical and electrical equipment.
Looking ahead, HANBELL group will take advantage of the company's resources in Asia to improve competitive edge of the products and the best service as the worldwide leading brand.