

金宏电子特气

JinHong Electronic Specialty Gas

金宏气体股份有限公司是专业从事气体研发、生产、销售和环保集约型综合气体供应商。公司成立于1999年，拥有特种气体、大宗气体、天然气三大类百余种产品，为国内外5000多家客户提供全方位、系统化的用气解决方案，并出口泰国、越南、马来西亚等国家。公司于2020年6月在上交所上市（股票代码：688106）。

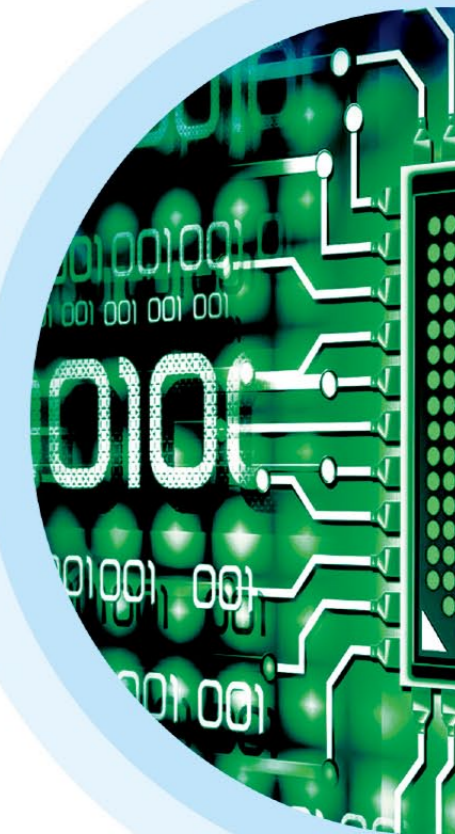
金宏气体电子特气事业部作为金宏气体集团的主要战略业务部门，拥有集团最优秀的资源，专注于集成电路、平板显示器、LED发光二极管、光伏、MEMS微机电产业，可以针对电子行业客户需求提供全套一站式气体集成解决方案。金宏气体拥有分别在气体生产、设备制造、气体工程设计与施工、全面气体管理等领域具有丰富经验的行业专家。

JinHong Gas is an environmental intensive integrated gas supplier specializing in gas research and development, production, sales and service. JinHong was founded in 1999, which has more than 100 kinds of products in three categories: special gas, bulk gas and LNG, providing comprehensive and systematic gas solutions for more than 5000 clients, exporting to Thailand, Vietnam, Malaysia and other countries. JinHong was listed at Shanghai Stock Exchange in 2020 (stock code: 688106).

JinHong Electronic Specialty Gas Dept., as the main strategic business division in JinHong group has the most excellent resources, mainly focus on IC, TFT-LED, PV, LCD etc. We can provide total gas solution for electronic customers. JinHong Gas has professional experts in the gas production, equipment manufacturing, engineering design & installation, TGCM to meet customer's need.

金宏的7N超纯氨和高纯5N5笑气工厂，配备了先进的设备，年产量分别为12000吨和9000吨，质量得到了电子行业客户的认可，占据了较高的市场份额。

JinHong Gas's 7N UHP ammonia plant and 5N5 N₂O plant equipped with most advanced equipment, with annual capacity 12000 tons & 9000 tons separately. JinHong Gas has high market share in electronic field and its quality is certified by electronic customers.



金宏特气全国生产基地 JinHong Specialty Gas Production Plant

金宏所有特气生产工厂采用国内外先进标准建设，生产运行管理也导入国内外一流管理理念，全方位的实力让金宏特气不满足于中国知名的特气供应厂商，更致力打造全球领先的特气品牌。

All JinHong's gas production plant, adopts the most advanced international standard operation management and integrated international first-class management, which made JinHong gas not only the famous specialty gas supplier in China, but also give chance for JinHong Gas to become global famous gas brand.

- 苏州超纯氨工厂
- 苏州多功能特气工厂
- 苏州高纯二氧化碳工厂
- 重庆金苏化工有限公司
- 平顶山金宏普恩电子材料有限责任公司
- 眉山金宏电子材料有限公司
- Suzhou Ultra High Purity Ammonia Plant
- Suzhou Multifunctional Specialty Gas Plant
- Suzhou High Purity CO₂ Plant
- Chongqing Jinsu Chemical Plant
- Pingdingshan Jinhong Puen Electronic Materials Co., Ltd
- Meishan Jinhong Electronic Materials Co., Ltd

金宏拥有完善的质量管理体系，公司已通过 ISO 9001:2015 质量管理体系认证、ISO14001: 2015 环境管理体系认证及 ISO 45001:2018 职业健康安全管理体系认证。

JinHong Gas has a perfect quality management system, which has passed the ISO 9001: 2015 quality management system certification, ISO 14001: 2015 environmental management system certification and ISO 45001: 2018 occupational health and safety management system certification.



特气产品及服务 Products & Services

JinHong Gas provide specialty gases for the electronics customers in the world-wide. Products list as below:

Electronic specialty gas

Electronics specialty gas and mixtures needed by electronics industry, such as NH₃, N₂O, CO₂, TEOS, C₄F₈, CH₃F, C₄F₆, SiH₂Cl₂, Si₂H₆ and Si₂Cl₆ etc.

UHP bulk gases

O₂, N₂, H₂, He, Ar

Equipment and services

G/C gas conveying system
BSGS gas conveying system
GMS gas monitoring system
CQC quality management control system
On-site gas preparation and technical services
Ultra-high purity gas purification system
All kinds of gas recovery and treatment systems
TGCM total gas& chemical management

金宏电子特气事业部为全球电子行业提供的产品包括

特种气体

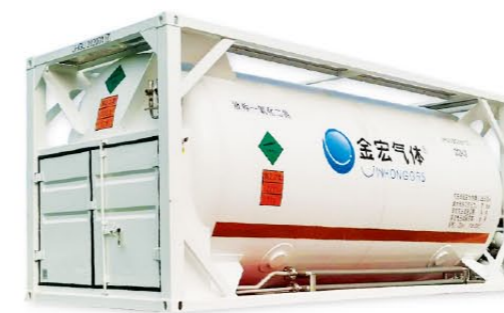
NH₃, N₂O, CO₂, TEOS, C₄F₈, CH₃F, C₄F₆, SiH₂Cl₂, Si₂H₆, Si₂Cl₆等电子行业所需的特种气体以及各式混合气体

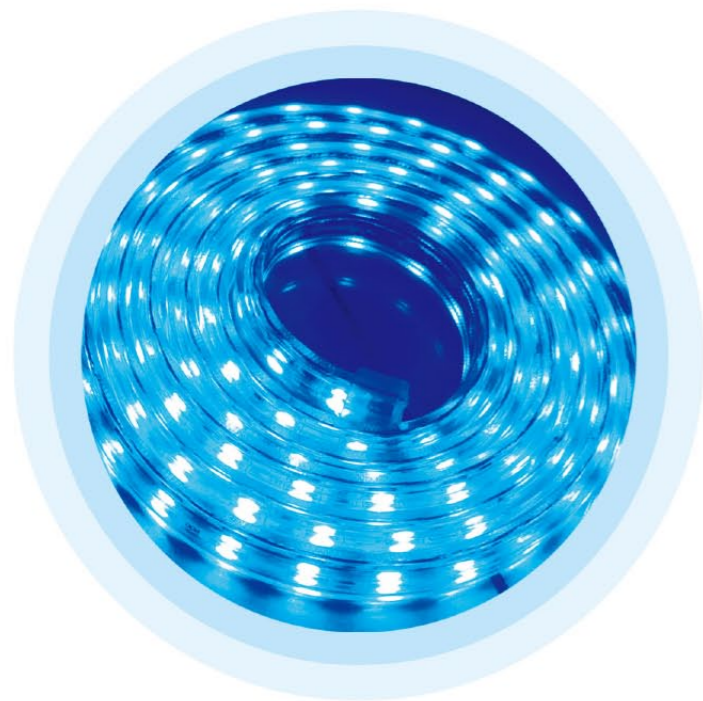
高纯大宗气体

O₂, N₂, H₂, He, Ar

设备与服务

G/C气体输送系统
BSGS气体输送系统
GMS气体监控系统
CQC质量管理控制系统
On-site现场制气及技术服务
超高纯气体纯化系统
各式尾气回收及处理系统
TGCM全面气体管理





发光二极管LED行业

在LED行业中，金宏气体为该行业提供特种气体以及相关设备。对于我们产品的优良性能、质量、可靠性与一致性，我们倍感自豪。

The Light Emitting Diode LED Industry

In the LED industry, JinHong Gas provides specialty gases and related equipments over years. We are proud of the products performance in quality, reliability and consistency.



光伏行业

在光伏行业中，金宏气体的产品包含薄膜、多晶硅、硅锭硅片和3-5族化合物太阳能电池的应用，其中包括薄膜沉积、腔体清洗、载气应用等以上工艺所需的特种气体。

Photovoltaic Industry

For the photovoltaic industry, JinHong's specialty gas apply in the film, polycrystalline silicon, silicon ingot silicon and 3-5 compounds application of solar cells, including thin film deposition, cavity clean, carrier gas application.

我们为电子客户提供现场制气、输送设备、纯化设备、监控管理系统等一站式解决方案，我们的一站式解决方案具有低成本高效率的优点，帮助客户在使用金宏一站式特气解决方案时具有安全高效的成本优势，协助客户在工艺制造过程中有效运转。

Meanwhile, we also provide total gas solution, such as on-site supply, delivery equipment, purification equipment, monitoring management system. Our advantages are safety, low cost and high efficiency, which can help customers achieve high efficiency manufacturing operation.

金宏气体设有研发中心，专门针对超高纯电子特气进行研发。公司还建有国家企业技术中心、CNAS认证实验室、江苏省特种气体工程技术研究中心、江苏省重点企业研发机构等。公司现已创建“博士后科研工作站”，联合国内各大高校，招收培养化工专业博士后。公司研发实力雄厚，拥有研发人员166人，其中本科以上学历39人，博士5人，研发高中级职称35人。公司还联合浙江大学、大连理工大学、大连光明化工研究所和南京大学等构建高层次“产学研”合作平台，在新产品开发及科研攻关过程积累了丰富的技术经验，并且先后荣获国家高新技术企业、国家知识产权优势企业、江苏省专精特新小巨人企业、中国半导体创新产品和技术、中国专利奖优秀奖等称号。目前拥有专利150多项，其中发明专利32项。

公司通过国家级CNAS实验室，配备了多台先进的气相色谱（GC）、电感耦合等离子体质谱（ICP-MS）、高精度水分分析仪、红外光谱仪、光腔衰荡光谱等高精度分析检测设备，实现电子气体精确分析，满足电子客户提供稳定质量的气体。

JinHong Gas has a research and development center, dedicating in ultra-high-purity electronic gas research and development. Company has also established the National Enterprise Technology Center, CNAS Certification Laboratory, Jiangsu Province Special Gas Engineering Technology Research Center, Jiangsu Province Enterprise Technology Center, Jiangsu Province key enterprise R & D institutions and so on. We has now established a "post-doctoral research workstation", united with the major universities in China, recruit and train chemical professional postdoctoral. We has a strong R & D strength, with 166 R & D personnel, including 39 bachelor degree or above, 5 Ph. D., R & D senior title 35. We also joint with Zhejiang University, Dalian University of Technology, Dalian Guangming Chemical Research Institute and Nanjing University to build a high-level "production, education and research" cooperation platform, Accumulated rich technical experience in new product development and scientific research, We has won the national high-tech enterprises, national intellectual property advantage enterprises, Jiangsu Province specialized in special new small giant enterprises, China semiconductor innovation products and technology, China Patent Award Excellence Award and other titles. Currently we has more than 150 patents, including more than 32 invention patents.

We equipped with a number of advanced gas chromatography (GC) ICP-MS, high-precision moisture analyzer, infrared spectrometer, optical cavity swing spectrum and other high-precision analysis and detection equipment to achieve accurate analysis of electronic gases, to meet the electronic customers to provide stable quality of gas.



研发及实验中心 Research and Development Center



TGCM全面气体管理

Total Gas & Chemical Management

With the concept of safety development, JinHong Gas always put safety in the first place, through improving the level of safety standardization management. We have a remote monitoring center and emergency command center, regular fire drills, the implementation of essential safety, for the development of the company escort.

At the same time, JinHong Gas focus on customer gas safety, providing TGCM services in line with international standards.

We provide customers with efficient and safe delivery equipment and systems, so that customers can obtain stable, safe and efficient delivery solutions in gaseous or liquid delivery systems, pressure, flow control systems and for each industry, the characteristics of each gas and storage methods to tailor the various total gas supply system solutions and professional training for customers.

JinHong Gas has full-time after-sales service providing professional real-time daily maintenance and fault repair. After-sales service engineers standby 24 hours a day, respond to customer needs and get to the customer site when necessary at the first time, so that customers enjoy JinHong Gas's TGCM without any worries.

Excellent gas production technology, advanced manufacturing plants, first-class R & D testing center and professional TGCM after-sales service, all these have created JinHong Electronics Special Gas increase the gas market share continuously.

以安全的发展理念，金宏气体始终把安全放在首位，通过提升安全标准化管理水平，公司设有远程监控中心应急指挥中心，定期进行消防演练，落实本质安全，为公司发展保驾护航。

同时，金宏气体关注客户用气安全，提供与国际接轨的TGCM全面气体管理服务。

我们为客户提供高效安全的输送设备以及系统，并汇集国内外行业资深专家，让客户不管在气态或液态输送系统、压力、流量控制系统都能获得稳定安全又高效的输送方案，并针对每个行业、每种气体的特性以及储存方式来为客户量身定制各种不同的一站式供气系统解决方案，并提供客户专业的培训及专业知识教学。

金宏气体设有专职的售后服务人员，只要是金宏的气体设备，均可以得到专业实时的日常保养以及故障维修，售后服务工程师24小时全天候待命，会在第一时间响应客户需求，并在有需要的时候以最快的速度赶至客户现场，让客户在享受金宏的一站式气体解决方案中没有任何的后顾之忧。

优秀的气体生产工艺，先进的制造工厂，一流的研发检测中心以及专业的TGCM售后服务，这些无不造就了今天金宏电子特气事业部在行业内的地位，随着技术的不断进步，金宏气体也将全球气体市场中占据一席之地。

产品目录

Product List

气体名称	Gas Name	纯度Purity	规格Package	阀门型号Valve
氨气	NH3	5N5/6N4/7N	47L/440L Y-TON/930L T-TON/ISO	CGA660/DISS720/1" VCR
氧化亚氮	N2O	5N5	47L/470L Y-TON/TT	DISS712
二氧化碳	CO2	5N5	47L/470L Y-TON/ISO	DISS716
正硅酸乙酯	TEOS	9N	5GAL/10GAL/200L	1/4" VCR
八氟环丁烷	C4F8	5N	47L	DISS716
氟甲烷	CH3F	4N	7L/47L	DISS724
六氟丁二烯	C4F6	4N	47L	DISS716
二氯二氢硅	SiH2Cl2	3N	40L	CGA678/DISS636
乙硅烷	Si2H6	4N	49L	DISS632
六氯乙硅烷	Si2Cl6	6N	7L	1/4" VCR
硅烷	SiH4	6N	47L/440L Y-TON/TT	DISS632
氦气	He	5N/6N	47L/50L	CGA580/G5/8
氧气	O2	5N	40L	CGA540
氮气	N2	5N/6N	40L	CGA580
氩气	Ar	5N/6N	40L	CGA580
氢气	H2	5N/6N	40L	CGA350
高纯氙气	Xe	5N/5N5	10L/47L	CGA580
六氟化硫	SF6	4N/5N	47L/440L	CGA590/DISS716
四氟化碳	CF4	5N	47L/440L	CGA320/CGA580
三氯化硼	BCl3	5N	47L	CGA660
溴化氢	HBr	5N/5N5	47L	DISS634
甲烷	CH4	5N	47L	CGA350
三氯硅烷	SiHCl3	4N	40L/250L	CGA320/DISS636
三氟甲烷	CHF3	5N	47L	DISS716
三氟化氮	NF3	4N	47L/440L/TT	CGA640
氧氮混合气	O2+Ar	O2 5N /Ar 5N O2 5N /Ar 6N	47L	G5/8
氢氮混合气	H2+Ar	H2 6N /Ar 6N	47L	G5/8
氢氦混合气	H2+He	H2 6N / He 6N	47L	CGA580
氢氮混合气	H2+N2	H2 6N / N2 6N	47L	CGA724/CGA580
四氟化碳氧混合气	CF4+O2	CF4 5N / O2 5N	47L	CGA320
乙硅烷氢混合气	Si2H6+H2	Si2H6 4N / H2 6N	44L/47L	DISS632
磷烷氢混合气	PH3+H2	PH3 6N / H2 6N	47L/470L	DISS632
硼烷氢混合气	B2H6+H2	B2H6 4N / H2 6N	47L/470L	DISS632
甲烷氮混合气	CH4+Ar	CH4 5N5 /Ar 6N	47L	CGA580
硅烷氢混合气	SiH4+H2	SiH4 6N / H2 6N	47L	DISS632
硅烷氮混合气	SiH4+N2	SiH4 6N / N2 6N	47L	DISS632

