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版本 Ver: 2023年7月



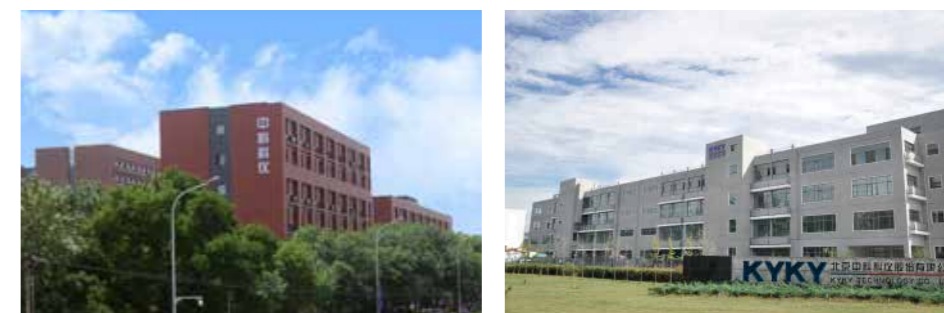
KYKY 北京中科科仪股份有限公司
KYKY TECHNOLOGY CO., LTD.

科技创造美好生活

Vacuum Application

真空应用设备

www.kyky.com.cn

COMPANY PROFILE
公司简介

北京中科科仪股份有限公司成立于1958年，是中国科学院首家事业单位整体转改制企业。专注于电子光学和真空技术领域，业务范围覆盖扫描电子显微镜、氦质谱检漏仪等科学仪器装备和分子泵、真空应用设备等核心零部件及产业设备，是国家级企业技术中心及国家级制造业“单项冠军”示范企业。先后研制出我国第一台扫描电子显微镜、第一台涡轮分子泵、第一台商用氦质谱检漏仪，第一台磁悬浮分子泵，第一台场发射枪扫描电子显微镜，打破了国外技术垄断，填补了国内空白，提升了我国高端科学仪器装备与核心零部件国产化和自主化水平，为我国前沿科学研究、重大工程和战略型新兴产业的发展提供了重要支撑。

Founded in 1958, KYKY Technology Co., Ltd. is the first enterprise of the Chinese Academy of Sciences that has been transformed from a public institution. Focusing on the field of Electron optics and vacuum technology, its business scope covers scientific instruments and equipment such as Scanning electron microscope and helium leak detector, as well as core components and industrial equipment such as turbo molecular pump and vacuum equipment. KYKY is a national enterprise technology center and a national manufacturing "single champion" demonstration enterprise, developing the first Scanning electron microscope, the first turbo molecular pump, the first commercial helium leak detector, the first magnetically levitated molecular pump and the first field emission Scanning electron microscope successively, breaking the foreign technological monopoly, filling the domestic gap, improving the localization and independence level of China's high-end scientific instruments and equipment and core parts, and contributing to China's cutting-edge scientific research and the development of Megaproject and strategic emerging industries.

APPLICATIONS 应用领域

真空获得 Vacuum Generation



真空检漏 Vacuum Leak Detection



真空应用业务 / Vacuum Application Business

中科科仪拥有一支优秀的技术团队，凭借六十多年的技术积累，优质的产品与服务，积极为用户量身定制专属解决方案。主要产品有：空间环境模拟设备、真空氦检漏设备、真空镀膜设备、高真空加热炉、陀螺专用设备、超高真空排气设备、国家重大科技项目配套真空系统等。产品远销香港、瑞士、新加坡、俄罗斯、泰国等国家和地区。

中科科仪真空应用业务发展迅速，广泛开展了与企业、科研单位等各方用户的技术交流与合作。凭借优质的产品，赢得广大客户的信任与好评。多年来，中科科仪始终坚持以客户为立业之本，以产品为发展之道；以“稳定可靠，提供实用产品；服务及时，追求用户满意”为目标，致力于为每一位客户提供优质的产品和高效的服务。

KYKY has an excellent technical team. With over 60 years of technical accumulation, high-quality products and service, it actively customizes dedicated solutions for users. The main products include: space environment simulation equipment, vacuum helium leak detection equipment, vacuum coating equipment, high vacuum heating furnace, special equipment for gyroscopes, ultra-high vacuum exhaust equipment, vacuum system for major national science and technology projects, etc. Products are exported to Hong Kong, Switzerland, Singapore, Russia, Thailand and other countries and regions.

The vacuum application business of KYKY has developed rapidly. Technical exchanges and cooperation with enterprises, scientific research institutions and other users have been carried out extensively. With high-quality products, we won the trust and praise of our customers. For many years, KYKY has always insisted on treating customers as its foundation, and treating products as its development path. The "Stable and reliable, provide practical products; Service in time, pursuit of customer satisfaction" is the quality policy. We are committed to providing high-quality products and efficient services to every customer.

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真空应用系统

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空间环境模拟设备
Space Simulation Equipment

产品应用 APPLICATIONS

该设备用于军工和航天产品在地面模拟太空的“冷黑背景”和“高真空”环境，进行各种热真空试验、热平衡试验、低气压试验、放电试验、寿命试验等测试。该设备自动化程度高、温度控制准确、操作简单方便、长期运转可靠，可根据客户要求定制真空室容积，并能对设备进行力矩加载、石英晶体微量天平测试等功能扩展。

The system is used to stimulate the cold black background and highly vacuum environment for military and aerospace products on the ground, and to perform various thermal vacuum, thermal balance, low pressure, discharge, and life tests. It is characterized by high automation, accurate temperature control, simple and convenient operation, reliability during long-distance test. Vacuum chamber volume can be customized as required. There are also extensive features including loading magnetofluid seal moment and quartz crystal micro balance test, etc.

技术指标 SPECIFICATIONS

- | | |
|---|---|
| ◆ 真空室尺寸: KM1~KM3
Vacuum chamber size: KM1~KM3 | ◆ 极限真空度 $\leq 5 \times 10^{-5}$ Pa, 工作真空度 $\leq 1.3 \times 10^{-3}$ Pa
Ultimate vacuum $\leq 5 \times 10^{-5}$ Pa, working vacuum $\leq 1.3 \times 10^{-3}$ Pa |
| ◆ 温度范围: $-180^{\circ}\text{C} \sim +180^{\circ}\text{C}$
Temperature range: $-180^{\circ}\text{C} \sim +180^{\circ}\text{C}$ | ◆ 升降温速率: $\geq 1^{\circ}\text{C}/\text{min}$
Average rate for heating and refrigerating: $\geq 1^{\circ}\text{C}/\text{min}$ |
| ◆ 温度均匀性: $\leq \pm 3^{\circ}\text{C}$
Temperature uniformity: $\leq \pm 3^{\circ}\text{C}$ | ◆ 温度稳定性: $\leq 2^{\circ}\text{C}/\text{h}$
Temperature stability: $\leq 2^{\circ}\text{C}/\text{h}$ |

VACUUM APPLICATION SYSTEM

真空应用系统



多工位真空镀膜及封接检测设备
Multi station vacuum coating and sealing detection equipment



热蒸发、电子枪、多弧、磁控溅射等多功能镀膜机
Multi-functional Coating Machine of Thermal evaporation, Electron gun, Multi arc, Magnetron sputtering, etc

产品应用 APPLICATIONS

设备可完成光电器件高温真空除气、真空镀膜、电子束清洗、真空封接等多道关键制备工序，是多种运动方式同时存在的复杂系统。主要应用于中微子探测试验、高能物理探测和单光子探测领域。

The equipment can complete several key preparation processes, such as high temperature vacuum degassing, vacuum coating, electron beam cleaning, vacuum sealing of Photoelectric device. It is a complex system with multiple movement simultaneously. It is mainly used in neutrino detection experiments, high-energy physical detection and single-photon detection.

技术指标 SPECIFICATIONS

- ◆ 极限真空: 5×10^{-6} Pa, 工作真空: 5×10^{-5} Pa Ultimate vacuum: 5×10^{-6} Pa, Working vacuum: 5×10^{-5} Pa
- ◆ 除气加热温度: 400°C, 温度均匀性: $\pm 2.5^\circ\text{C}$ Degassing temperature: 400°C, Temperature uniformity: $\pm 2.5^\circ\text{C}$
- ◆ 垂直运动速度: 0-500mm/min, 重复定位精度: ± 1.5 mm Vertical movement speed: 0-500mm/min, Repetitive positioning accuracy: ± 1.5 mm
- ◆ 平移运动速度: 0-500mm/min, 重复定位精度: ± 1.5 mm Translational speed: 0-500mm/min, Repetitive positioning accuracy: ± 1.5 mm
- ◆ 工件旋转速度 0-3rpm, 定位精度 0.02° Workpiece rotation speed: 0-3rpm, Positioning accuracy 0.02°
- ◆ 封接顶升力 0-100N Sealing force: 0-100N

产品应用 APPLICATIONS

试验类镀膜沉积设备有热蒸发、电子枪、多弧、磁控溅射镀膜等多种不同类型。

用于各种单层膜、多层膜和掺杂膜系沉积；可制备各种导电薄膜、光波导薄膜、光学薄膜；可沉积金属、合金、及多种化合物、半导体、陶瓷膜、介质复合膜，亦可镀铁磁材料。

可进行反应溅射；也可用于硬质膜，装饰膜及其它功能膜的研究开发等。

广泛应用于大专院校、科研机构相关研究开发。

Thermal evaporation, electron gun evaporation and magnetron sputtering are all available.

Multifunction magnetron sputtering coating machine is a kind of universal coating machine which is used to generate rigid coatings in single layer, multi-layers, and composite layers of various materials including metal, alloy, compounds, semiconductor, ceramic, ferromagnetic materials, and chemical reaction coating.

Reactive sputtering can be carried out; Used for research and development of hard film, decorative film and other functional films.

The machine is mainly used for Lab, Colleges and Universities, R&D

技术指标 SPECIFICATIONS

- ◆ 极限真空: 8×10^{-5} Pa Ultimate vacuum: 8×10^{-5} Pa
- ◆ 真空腔室: 可定制 Vacuum Chamber: Customized
- ◆ 样品台: 公(自)转 Sample table: revolution(rotation)
- ◆ 磁控靶: 数量可选 Magnetron target: Quantity is optional
- ◆ 基片加热温度: 0~600°C可控 Substrate heating temperature: 0-600°C
- ◆ 工艺气体: MFC 多种气体可选 Process gas: MFC, Multiple gases are available
- ◆ 可选配置: 偏压、膜厚仪、薄膜规、样品台加热等多种 Option: Pulsed bias voltage power supply, Film thickness, Gauge, Heat Sample table

VACUUM APPLICATION SYSTEM

真空应用系统



中高温集热管镀膜设备
HCE Tube Coating System For CSP

主要功能 FUNCTION

该设备可在不锈钢管上沉积选择性吸收膜，保证其具有较高的吸收率和极低的发射率。

KYKY provides coating solutions for thin-film applications on HCE Tube(CSP). The stainless steel tube has a cermet selective coating, allowing for very high absorption for direct beam solar radiation combined with very low emissivity.

技术指标 SPECIFICATIONS

- | | |
|--|---|
| ◆ 工件长度: H4060mm、2000mm
Length:4060mm 2000mm | ◆ 不锈钢金属管直径范围: Φ70mm-120mm
Outer diameter:70mm-120mm |
| ◆ 吸收率≥95%
Average solar absorptance:α≥95% | ◆ 发射率 ≤9% (300°C)
Emissivity Factor(by FTIR): ε≤9 %(300°C) |
| ◆ 镀膜方式: 磁控溅射
Coating technique:Sputtered, Selective | ◆ 设备产能: 5万支/年 (MAX)
Capacity: 50,000 Pcs/year(MAX) |
| ◆ 极限真空: 8×10 ⁻⁴ Pa, 本底真空: 3.2×10 ⁻³ Pa
Ultimate vacuum:8×10 ⁻⁴ Pa, Base Vacuum:3.2×10 ⁻³ Pa | ◆ 工艺加热温度: 300°C
Process heating temperature: 300°C |
| ◆ 磁控靶: 5个
Number of magnetron targets:5 | ◆ 磁控电源: 直流1套、中频2套
Magnetic control power supply: 1 DC、2 MF |
| ◆ 偏压电源: 1套
Pulsed bias voltage power supply:1Pc | |



真空氦检漏设备
Vacuum helium leak detection equipment

产品应用 APPLICATIONS

设备用于密封器件的气密性检测，广泛应用于汽车空调系统、家用空调系统、电力系统、航空航天系统等领域，具有检漏节拍快、检测精度高、自动化程度高、节能环保等优点。

The equipment is used for airtightness test of sealing device. It is widely used in automobile air-conditioning system, household air-conditioning system, power system, aerospace system and other fields. It has the advantages of fast working cycle, high detection accuracy, high degree of automation, energy saving and environmental protection.

技术指标 SPECIFICATIONS

- | | |
|---|--|
| ◆ 极限检漏精度: <1×10 ⁻¹⁰ Pa.m ³ /s | Limit leak detection accuracy: <1×10 ⁻¹⁰ Pa.m ³ /s |
| ◆ 检测节拍: <60秒/件 (可按要求定制) | Working cycle: <60s/Pcs |
| ◆ 可实现全自动无人值守 | Full automatic and unattended |
| ◆ 可与MES系统对接, 具备数据存储、追溯、查询功能 | It can be connected with MES system, with data storage, traceability and query functions |
| ◆ 具备条码扫描、远程诊断功能 | With barcode scanning and remote diagnosis functions |

VACUUM APPLICATION SYSTEM

真空应用系统



高温真空加热炉
High Temperature Vacuum Heating Furnace

产品应用 APPLICATIONS

此设备的主要功能是提供一个高温、清洁的高真空环境，并在此环境下对金属试件进行高温烘烤除气，多用于中小型精密性金属零部件的高温真空除气、退火或钎焊。具有应用范围广、安全可靠、控制精度高等特点。

The main function of this equipment is to provide a high - temperature, clean and high-vacuum environment in which Metal specimens are baked and degassed at high temperature. The equipment is mostly used for high temperature vacuum degassing, annealing or brazing of small and medium precision metal parts. It has the characteristics of wide application range, safety and reliability, high control precision, etc.

技术指标 SPECIFICATIONS

◆ 极限真空度: $\leq 5 \times 10^{-5}$ Pa	Ultimate vacuum: $\leq 5 \times 10^{-5}$ Pa
◆ 最高温度: 1300°C	Max heating temperature: 1300°C
◆ 温度均匀性: $\leq \pm 5^\circ\text{C}$	Temperature uniformity: $\leq \pm 5^\circ\text{C}$
◆ 控温精度: $\pm 1^\circ\text{C}$	Temperature control precision: $\pm 1^\circ\text{C}$
◆ 长期运转稳定可靠、操作简单方便	Long-term stable and reliable operation, simple and convenient operation



真空除气设备
Vacuum degassing equipment

产品应用 APPLICATIONS

该设备主要提供清洁的高真空环境，可用于薄膜加热器、空间探测器、金属器件、医疗器件等的真空烘烤除气，具有控温精度高、温度均匀性好、长期运转稳定可靠等特点。广泛应用于多种产品的真空除气试验。

The equipment mainly provides a clean and high vacuum environment and it can be used for vacuum baking and degassing of film heating chips, space detector, metal device, medical device etc. It has the characteristics of high temperature precise control, good temperature uniformity, stable and reliable long-term operation, etc. It can be used for vacuum degassing tests of various aerospace products at the component level.

技术指标 SPECIFICATIONS

◆ 极限真空度: $\leq 5 \times 10^{-5}$ Pa	Ultimate vacuum: $\leq 5 \times 10^{-5}$ Pa
◆ 加热温度: 室温~600°C	Heating temperature range: room temperature~600°C
◆ 温度均匀性: $\leq \pm 2^\circ\text{C}$	Temperature uniformity: $\leq \pm 2^\circ\text{C}$
◆ 控温精度: $\pm 1^\circ\text{C}$	Temperature control accuracy: $\pm 1^\circ\text{C}$

VACUUM APPLICATION SYSTEM 真空应用系统



高真空焊接台
High vacuum welding equipment

产品应用 APPLICATIONS

该设备主要用于在高真空环境下对小型微孔器件进行烘烤除气，并能实现烙铁焊接和激光微孔焊接两种方式。广泛应用于航空、航天、兵器等产品的精密惯导组件焊接工艺过程。

The equipment is mainly used for baking and degassing of small microporous device in a high vacuum environment. It can realize iron welding and laser micro-hole welding. The equipment is widely used in precision inertial navigation assembly welding of aviation, aerospace, weapons and other products.

技术指标 SPECIFICATIONS

◆ 极限真空度: $\leq 2 \times 10^{-4} \text{Pa}$	Ultimate vacuum: $\leq 2 \times 10^{-4} \text{Pa}$
◆ 系统漏率: $\leq 1 \times 10^{-10} \text{Pa} \cdot \text{m}^3/\text{s}$	System leak rate: $\leq 1 \times 10^{-10} \text{Pa} \cdot \text{m}^3/\text{s}$
◆ 可同时对8个工件进行手动/自动焊接	8 workpieces can be welded manually/automatically at the same time
◆ 焊接方式: 烙铁、激光	Iron welding and laser welding
◆ 微孔: $\Phi 0.3 - \Phi 0.8 \text{mm}$	$\Phi 0.3 - \Phi 0.8 \text{mm}$ micropores can be welded



激光陀螺充排气设备
Charging And Discharging Device Of Laser Gyro

产品应用 APPLICATIONS

该设备主要用于激光陀螺谐振腔的真空处理，是无油、双真空系统，可实现陀螺谐振腔内真空获得、烘烤除气、气体充入、气密性检测等制备工艺手动或自动化控制，具有排气速度快，极限真空度高等特点。广泛应用于航空、航天、兵器等军工和民用领域。

The device is an oil-free and double vacuum system, can realize manual or automatic control of preparation processes such as vacuum generation, baking and degassing, gas filling and air tightness detection of cathode in resonant cavity for laser gyroscope. It degases fast and excels in ultimate vacuum. It is widely used in military industries such as aviation, aerospace, weaponry as well as civil field.

技术指标 SPECIFICATIONS

◆ 系统极限真空度: $2 \times 10^{-7} \text{Pa}$	System ultimate vacuum: $2 \times 10^{-7} \text{Pa}$
◆ 钟罩极限真空度: $5 \times 10^{-4} \text{Pa}$	Bell ultimate vacuum: $5 \times 10^{-4} \text{Pa}$
◆ 钟罩最高烘烤温度: 室温到 400°C 可控可调	Bell maximum heating temperature: Room temp. to 400°C controllable
◆ 充气量精确控制	Accurate control of gas filling
◆ 在线气体组分分析	On-line gas composition analysis
◆ 工件个数: 8/16工位可选	Quantity of workpieces: 8/16

VACUUM APPLICATION SYSTEM 真空应用系统



高真空滴油台
High Vacuum Oil Filling Equipment

产品应用 APPLICATIONS

高真空滴油台可提供一个清洁的高真空环境，可用于精密仪表、陀螺、精密传感器和变送器需要充注高纯度油的器件上，实现其加热除气及充油。

High vacuum oil filling equipment is designed to provide clean vacuum environment. The equipment is used in precision instruments, gyroscopes, precision sensors and transmitters in which high-purity oil needs to be filled for heat, degassing and oiling.

技术指标 SPECIFICATIONS

◆ 空载冷态极限真空: $\leq 5 \times 10^{-5}$ Pa	Ultimate vacuum at unload, room temperature: $\leq 5 \times 10^{-5}$ Pa
◆ 加热温度: 20°C-600°C	Heating temperature: 20°C-600°C
◆ 充油速度可控: 1~10滴/min	Controllable oil filling speed :1~10 drops/min
◆ 工位数量: 单工位或定制多工位	Workpiece quantity: single piece or customized several pieces
◆ 系统控制: 手动或电动	System control: manually or electrically



多工位真空排气设备
Multi station vacuum exhaust equipment

产品应用 APPLICATIONS

该设备主要是提供无油、超高真空环境，实现器件真空除气、工作气体保护、气密性检测等制备工艺过程的控制。设备广泛应用于光电子玻璃器件、红外探测和红外成像设备研制、航空、航天等军工业及民用领域。

The equipment mainly provides an oil-free and ultra-high vacuum environment to control the preparation process of devices such as vacuum degassing, working gas protection and leak detection. The equipment is widely used in the development of optoelectronic glass devices, infrared detection and infrared imaging equipment aviation, aerospace and other military and civil fields.

技术指标 SPECIFICATIONS

◆ 工位数: 8~20	Quantity of workpieces: 8~20
◆ 极限真空度: 5×10^{-8} Pa	Ultimate vacuum: 5×10^{-8} Pa
◆ 加热温度: 50~150°C, 温度均匀性: $\pm 1^\circ\text{C}$, 控温精度: $\pm 1^\circ\text{C}$	Heating temperature: 50~150°C, Temperature uniformity: $\pm 1^\circ\text{C}$, Temperature control precision: $\pm 1^\circ\text{C}$
◆ 卸下工件时充入 N_2 保护	Fill N_2 protection when removing the workpieces
◆ 每次安装工件后可进行氦检漏	Helium leak detection can be performed after each installation of the workpieces

VACUUM APPLICATION SYSTEM

真空应用系统



超高真空排气设备
Ultra-high Vacuum Exhausting Equipment



SBC-12小型离子溅射仪
SBC-12 Ion Sputtering Instrument

应用领域 / Applications

电镜样品制备 (可溅射金、铂、银、铜、铝等)

Specimen premade for scanning electron microscope (capable of sputtering, gold, platinum, silver, copper and aluminium etc)

产品应用 APPLICATIONS

该设备建立一个清洁无油的超高真空环境，在此环境中完成精密器件的关键工艺制备过程。广泛应用于军用氦光泵磁力仪、X射线管、红外杜瓦等领域产品的科学研究和生产制备。

The equipment provides a clean and oil-free ultra-high vacuum environment in which the key process preparation of precision devices is completed. The equipment is widely used in scientific research and industrial production of military helium pump magnetometer, X-ray tube, infrared Dewar and other fields.

技术指标 SPECIFICATIONS

◆ 双真空系统	Double vacuum system
◆ 工位极限真空度 10^{-9} Pa; 钟罩极限真空度 5×10^{-5} Pa	System ultimate vacuum: 10^{-9} Pa, Bell ultimate vacuum: 5×10^{-5} Pa
◆ 系统静态真空度: 5分钟 $\leq 5 \times 10^{-5}$ Pa, 20分钟内维持在 10^{-5} Pa	System static vacuum: $\leq 5 \times 10^{-5}$ Pa within 5 minutes, maintained at 10^{-5} Pa within 20 minutes
◆ 工位数量: 1~8	Quantity of workpieces: 1~8
◆ 钟罩最高加热温度 500°C , 用以对工件烘烤除气	The max heating temperature of the bell is 500°C , which is used to bake and degas the workpiece

主要功能 FUNCTION

中小型扫描电子显微镜制样必备的仪器，用于扫描电子显微镜样品镀覆导电膜（金膜），仪器操作简单方便。

Mainly applied to specimen premade coating for scanning electron microscope, easy and friendly operation interface.

技术指标 SPECIFICATIONS

◆ 金靶尺寸: $\Phi 58\text{mm}$, 厚度 0.12mm Gold target size: $\Phi 58\text{mm} \times 0.12\text{mm}$ (thickness)	◆ 真空检测: 皮氏计 Vacuum detection: Pirani gage
◆ 电压: 220V/50Hz Voltage: 220V/50Hz	◆ 玻璃处理室: $\Phi 100\text{mm}$, 高度 130mm Glass processing chamber: $\Phi 100\text{mm}$; 130mm High
◆ 试样台尺寸: $\Phi 40\text{mm}$ 可同时放6个样品杯 Specimen stage size: $\Phi 40\text{mm}$ (Hold 6 specimen cups)	◆ 真空系统: 直联旋片真空泵 2L/S Rotary Pump: 2L/S
◆ 真空保护: 20Pa (配有微量充气阀调节工作真空) Vacuum protection: 20Pa with microscale inflation valve	
◆ 工作室工作媒介气体: 空气或氩气 (配有氩气专用进气口和微量充气调节) Medium Gas: Air or Argon (With special inlet for argon and microscale gas regulating)	

VACUUM APPLICATION SYSTEM 真空应用系统



SBC-2型多功能试样表面处理机
SBC-2 Coating Machine

应用领域 / Applications

透射电镜、离子探针、扫描电镜、能谱仪分析等样品制备，理化分析、科学研究等。

TEM, SEM, sample preparation and EDS analysis, physical and chemical analysis etc

主要功能 FUNCTION

具备离子喷涂、离子溅射、离子清洗、蒸碳等功能。
Ion spraying; Ion Sputtering; Ion Cleaning; Steamed Carbon etc.

技术指标 SPECIFICATIONS

◆ 离子喷涂电流: $\leq 100A$ 连续可调	Spraying current $\leq 100A$ continuously adjustable
◆ 离子溅射电压: $\leq 3KV$ 连续可调	Sputtering voltage: $\leq 3KV$ continuously adjustable
◆ 极限真空度: $2 \times 10^{-3} Pa$	Ultimate Vacuum: Better than $2 \times 10^{-3} Pa$
◆ 真空腔室尺寸: 内径 $\Phi 250mm$ ×高度340mm	Glass protecting chamber: $\Phi 250mm$; 340mm High
◆ 离子喷涂玻璃隔离罩尺寸: 内径 $\Phi 88mm$ ×高度140mm	Glass processing chamber: $\Phi 88mm$; 140mm High
◆ 溅射镀膜玻璃隔离罩尺寸: $\Phi 88mm$ ×高度57mm	Sputtering deposition glass processing chamber: $\Phi 88mm$ ×57mm High
◆ 试样运动方式: 平面旋转、倾斜旋转、进动旋转	Specimen movement: plane rotation, tilt rotation, precession rotation

VACUUM SOLUTIONS 真空解决方案

中科科仪深耕真空领域60年，具有国内首屈一指的真空资源整合能力，持续进行真空理论、工程实践和产品应用创新，为您提供全方位的真空解决方案和专业便捷服务。

With 60 years exploration in vacuum industry, KYKY is experienced to provide optimized vacuum solutions and convenient and professional services based on the overall understanding of specific requirements, vacuum fundamental theories, engineering practices and products applications.

半导体工业 SEMICONDUCTOR INDUSTRY

- ◆ 更长的维护保养时间间隔 Longer interval for maintenance
- ◆ 更加节能环保的真空产品 Efficient and eco-friendly products
- ◆ 定制化的真空解决方案 Customized vacuum solutions

工业检漏 INDUSTRIAL LEAK DETECTION

- ◆ 高灵敏度的检漏设备 Highly sensitive leak detector
- ◆ 高频率检漏的可靠产品 Reliable products for highly frequent operation
- ◆ 定制化的检漏解决方案 Customized leak detecting solutions
- ◆ 及时全面的现场服务 Timely and all-round services on site

研发、大科学工程 R&D AND NATIONAL MAJOR SCIENTIFIC ENGINEERING

- ◆ 高可靠性的产品 Highly reliable products

VACUUM SOLUTIONS 真空解决方案

- ◆ 耐放射性辐射的解决方案 Radiation-resistant solutions
- ◆ 特殊需求的深度合作 Deeper cooperation for special requirements
- ◆ 定制化的真空解决方案 Customized vacuum solutions
- ◆ 及时全面的现场服务 Timely and all-round services on site

分析仪器 ANALYSIS INSTRUMENTS

- ◆ 模块化设计的多重选择性 Multi options based on modular design
- ◆ 使用维护的便利性 Convenient operation and maintenance
- ◆ 控制连接的定制化 Interfaces customization
- ◆ 转速调节的自主性 Independent speed adjustment

真空服务 SERVICES

- ◆ 北京及全国真空行业协会的交流平台 Platform of vacuum associations in China
- ◆ 真空理论和计算交流咨询 Consultancy of Vacuum theory and calculation
- ◆ 真空工程的经验分享 Experience sharing of vacuum engineering