



# 佛山雄麒智能科技有限公司

Foshan Xiong Qi Intelligent Technology Co., Ltd.

高精度灌装整体解决方案

High precision filling solution





佛山雄麒智能科技有限公司是一家制造精密陶瓷计量泵的厂家，在陶瓷制造、设备配套、行业应用上拥有10年的实践经验，技术力量雄厚。目前，我们拥有旋转式电动柱塞泵、气动柱塞泵、伺服驱动柱塞泵等系列，专注于为客户提供一站式的精密灌注系统。一直以来，我们致力于提升产品的竞争力以及为客户提供最高效最优质的服务，做好产品是我们的宗旨，做好服务是我们的原则，我们立足长远，我们真抓实干。我司在产品研发上不遗余力，已陆续获得多项相关国家专利证书，并持续以市场需求为中心开发更多性能稳定、品质优良、高性价比的产品。雄麒科技以诚信立天下，值得您的信赖。

Foshan Xiongqi Intelligent Technology Co., Ltd. is a manufacturer of precision ceramics metering pump. It has 10 years of industry experience in ceramic manufacturing, matching and application, and has strong technical force. Focusing on providing customers with one-stop precision filling system, we have rotary electric plunger pumps series, pneumatic plunger pumps series, servo driven plunger pumps series and so on. Aiming to improve the competitiveness of products and providing customers with the most efficient and high-quality services, our company spares no effort in product research and development, and has obtained a number of relevant national patent certificates. Foshan Xiongqi Intelligent Technology Co., Ltd. stands in the world with sincerity, which is worthy of your trust.

我们的优势 Our Advantages

强大的技术支持 Strong technical support	稳定耐用的产品 Stable and durable products	高效的售后服务 Efficient after-sales service
专业的技术团队为您提供最优方案 Professional technical team to provide you with the best solution	专注研发，不断创新，严格质检 Focus on R&D, Continuous Innovation and Strict Quality Inspection	快速回应，急速支援 Quick response, quick support

我们的服务

- 一、提供完善的陶瓷泵定制服务。
- 二、提供包装设备配套的陶瓷泵产品和服务。
- 三、提供陶瓷泵整体解决方案及产品。
- 四、保证及时的交期和售后服务。

Our services

- 1. Provide perfect customized service for ceramic pumps.
- 2. Provide ceramics pump products and services for packing equipment.
- 3. Provide the overall solution and products of ceramic pumps.
- 4. Guarantee timely delivery and after-sales service.

什么是陶瓷柱塞泵？为什么选择陶瓷泵？

陶瓷柱塞泵是用高纯工业陶瓷原料制成的柱塞式计量泵。

What is a ceramic plunger pump? Why choose ceramic pump?

Ceramic plunger pump is a plunger metering pump which is made of high purity industrial ceramics.

它具有以下特点：

- 一、陶瓷柱塞由高性能陶瓷材料制成，具有高硬度、高耐磨性、耐高温性、耐腐蚀性和对物料无污染等优点。
- 二、在多种计量泵中，陶瓷泵的精度最高，可以达到千分之三，并保持长期的稳定性和高度的重复一致性。
- 三、通过独特的加工手段获得的陶瓷柱塞工作面微孔结构具有自润滑作用，无需使用密封圈。
- 四、采用先进的高精度内、外圆磨床将腔体内表面和柱塞表面加工成镜面，腔体内表面采用无死角、无沟槽的流体结构，便于清洗消毒。
- 五、泵体结构采用316L不锈钢通过特定工艺和陶瓷连接，不存在其他任何杂质，方便拆卸。
- 六、该产品经耐腐蚀、耐酸碱和安全性能测试，各项指标均达到国外同类产品水标准。

It has the characteristics as follow:

- 1. Ceramic plungers are made of high-performance ceramic materials, which have the advantages of high hardness, high wear resistance, high temperature resistance, corrosion resistance and no pollution to materials.
- 2. Among various metering pumps, ceramic pumps have the highest accuracy, which can reach  $\pm 3\%$ , and maintain long-term stability and high repetition consistency.
- 3. The micro-porous structure of ceramic plunger working face obtained by unique processing means has self-lubricating effect, and no sealing ring is needed.
- 4. The surface of cavity and plunger is machined into mirror by advanced high-precision internal and external grinder. The surface of cavity is made of fluid structure without dead angle and groove, which is convenient for cleaning and disinfection.
- 5. The pump body structure is made of 316L stainless steel, which is connected with ceramics through a specific process. There are no other impurities and it is easy to disassemble.
- 6. The product has been tested for corrosion resistance, acid and alkali resistance and safety performance, and all the indexes have reached the water standard of the same kind of product abroad.





旋转式陶瓷柱塞泵总成是一种用于计量输送或定量灌注化学液体、高纯液体的柱塞式精密计量泵。在柱塞旋转运动过程中，基于可调泵头角度产生轴向直线运动，实现精密地调节行程来控制输入和输出。

#### 产品特点：

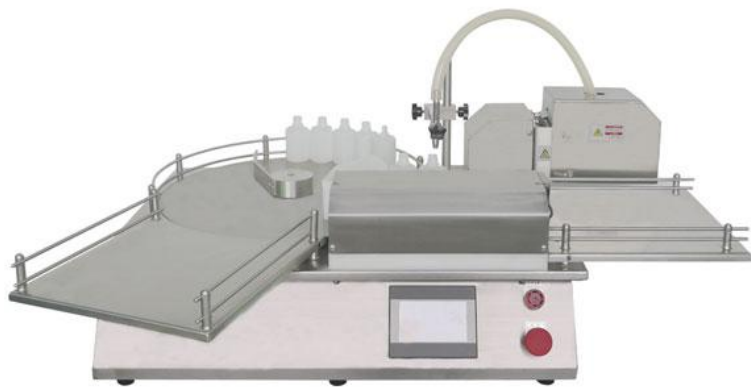
- 1.接触物料金属部分采用 316 不锈钢，泵体具有更好的耐腐蚀性，泵的运行不会产生微量杂质污染液体。可拆卸泵头柱塞组件进行清洗保养。
- 2.该系列的计量泵具有非常高的计量精度和重复一致性，精度优于正负千分之五。
- 3.X2 系列应用最广泛，结构简洁。

#### 行业应用：

可用于包装机灌注部分的配套以及改造。适用于灌注电解液、药液、生化试剂、化学液体、精油、精华液、乳液、香水、指甲油等中低粘稠度均质液体物料。

#### 技术参数 Technical parameters

型号 Item No.	-03	-06	-09	-12	-15	-18	-21	-24	-27
泵头材质 Pump Material	陶瓷部分：氧化铝、氧化锆、碳化硅 Ceramic parts: high purity alumina(Al2O3), zirconia(ZrO2), silicon carbide(SiC), etc								
	陶瓷外套及接头部分：316L 不锈钢 Metal part: 316L stainless steel								
灌注范围 Filling Range	4-80ul	10-140ul	20-240ul	50-700ul	0.2-1.5ml	0.2-2.9ml	0.6-6ml	1-12ml	2-25ml
缸径 Bore Diameter	Φ4	Φ5	Φ7	Φ10	Φ13	Φ15	Φ22	Φ25	Φ36
转速 RPM	450		350		300		250		200
灌注精 Accuracy	优于±0.5% Better than ±0.5%								
供电电源 Power Supply	AC220V 50/60Hz (110V 可选)								
功率 Power Rate	75w	75w	75w	150w	150w	150w	240w	240w	240w



**特点:** 本设备经过测试符合 GMP 认证要求。

1. 采用智能的操作系统;
2. 分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
3. 304 不锈钢外观, 台式结构, 实用方便;
4. 特别适用于站得稳的瓶型;
5. 方便快速的更改不同直径的瓶种;
6. 支持 Modbus 485 通信协议;
7. 本设备采用德国电眼检测, 实现无瓶不灌装的功能。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

1. Adopt intelligent operating system.
2. The liquid separation part is: high purity ceramic pump, which controls the amount of liquid injected in each circle by adjusting the Angle of the pump head.
3. 304 stainless steel appearance, desktop structure, practical and convenient.
4. Especially suitable for stable bottle shape.
5. Convenient and rapid change of bottle species with different diameters.
6. Support Modbus 485 communication protocol.
7. This equipment adopts German sensor to realize the function of no filling without bottle.

#### 技术参数 Technical parameters

型 号 Model	XQZPG-1A 单通道 single channel			XQZPG-2B 双通道 Double channel	
泵 头 Pump	高纯陶瓷 High purity ceramics				
灌装精度 Filling accuracy	≤±0.5%				
灌装范围 Filling range	0.5-2ml	1.5-5ml	3-10ml	2-25ml	5-60ml
适用瓶子直径 Bottle diameter	12-40mm				
产量 Manufacturing speed	≤ 35 瓶/分钟 PCS/min			≤ 80 瓶/分钟 PCS/min	
主机尺寸 Size of Host Machine	1130*430*240 mm				
供 电 Power	AC 220V 50-60Hz 350W				



**特点:** 本设备经过测试符合 GMP 认证要求。

1. 采用智能的操作系统;
2. 采用精密的高纯陶瓷转阀控制液体的输入和输出, 及精密的陶瓷柱塞及腔体保证稳定精准的;
3. 304 不锈钢外观, 台式结构, 实用方便;
4. 特别适用于站得稳的瓶型;
5. 方便快速的更改不同直径的瓶种;
6. 支持 Modbus 485 通信协议;
7. 本设备采用德国电眼检测, 实现无瓶不灌装的功能。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

1. Adopt intelligent operating system.
2. High precision ceramic rotary valve is used to control liquid input and output, and precise ceramic plunger and cavity are ensured to be stable and accurate.
3. 304 stainless steel appearance, desktop structure, practical and convenient.
4. Especially suitable for stable bottle shape.
5. Convenient and rapid change of bottle species with different diameters.
6. Support Modbus 485 communication protocol.
7. This equipment adopts German sensor to realize the function of no filling without bottle.

**技术参数 Technical parameters**

型号 Model	XQZPG-C1			
泵头 Pump	高纯陶瓷 High purity ceramics			
灌装精度 Filling accuracy	$\leq \pm 0.1\%$			
灌装范围 Filling range	1-12ml	2-25ml	5-50ml	10-100ml
适用瓶子直径 Bottle diameter	12-78mm			
产量 Manufacturing speed	$\leq 35$ 瓶/分钟 PCS/min			
主机尺寸 Size of Host Machine	1130*430*550 mm			



**特点:** 本设备经过测试符合 GMP 认证要求。

1. 采用智能的操作系统;
2. 分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
3. 304 不锈钢外观, 台式结构, 实用方便;
4. 铆盖部分采用: 特殊材料涂层硬化处理, 使用寿命长;
5. 本设备采用模具快装的方式, 不同的瓶型之间能方便快速更换;
6. 本设备采用德国电眼检测, 实现无瓶不灌装、无盖不铆盖的功能。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

1. the intelligent operating system is adopted.
2. The liquid filling part adopts high purity ceramic pump, which controls the injection volume of each lap by adjusting the angle of the pump head, and has extremely high measuring accuracy and repeated consistency.
3. 304 stainless steel appearance, desktop structure, practical and convenient.
4. Riveting part adopts special material coating hardening treatment, which has long service life.
5. The equipment is fast installed by mold, and it can be replaced conveniently between different bottle types.
6. This device adopts the German sensor to achieve the functions of no filling without bottle, no rivet cover without lids.

#### 技术参数 Technical parameters

型号 Model	XQGM-30A			
灌装范围 Filling range	0.2-6ml	1-12ml	2-25ml	5-60ml
灌装精度 Filling accuracy	$\leq \pm 0.5\%$			
封口直径 sealing diameter	$\phi 13\text{mm} / \phi 15\text{mm} / \phi 20\text{mm}$			
产量 Manufacturing speed	$\leq 22$ 瓶/分钟 PCS/min			
供电 Power	AC 220V 50-60Hz 600W			
气压 Air range	0.4-0.5Mpa			
主机尺寸 Size of Host Machine	1230*780*600 mm			



**特点:** 本设备经过测试符合 GMP 认证要求。

1. 采用智能的操作系统;
2. 分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
3. 304 不锈钢外观, 台式结构, 实用方便;
4. 旋盖部分采用: 伺服扭力下旋, 保证盖子的松紧度一致;
5. 本机采用模具快装的方式, 不同的瓶型之间能方便快速更换;
6. 本设备采用德国电眼检测, 实现无瓶不灌装、无盖不旋的功能。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

1. Intelligent operation system is adopted.
2. The liquid-dividing part adopts high-purity ceramic pump, which controls the liquid-filling quantity of each circle by adjusting the angle of the pump head, and has high metering precision and repetitive consistency.
3. 304 stainless steel appearance, desktop structure, practical and convenient.
4. The capping part adopts servo motor torsional screwing to ensure the tightness of the lid.
5. the machine adopts the way of fast mold installation, and it can be replaced conveniently between different bottle types.
6. The device adopts German sensor to achieve the functions of no filling without bottle, no capping without lids.

#### 技术参数 Technical parameters

型号 Model	XQGX-30				
泵头 Pump	高纯陶瓷 High purity ceramics				
灌装精度 Filling accuracy	$\leq \pm 0.5\%$				
灌装范围 Filling range	0.5-2ml	1.5-5ml	3-10ml	2-25ml	5-60ml
产量 Manufacturing speed	$\leq 25$ 瓶/分钟 PCS/min				
主机尺寸 Size of Host Machine	1230*780*600 mm				
供电 Power	AC 220V 50-60Hz 600W				
气压 Air pressure	0.4-0.6Mpa				



#### 特点:

1. 结构简易，操作简单；
2. 适用于西林瓶扎盖、冻干粉产品后段包装；
3. 机身采用全不锈钢 304 和铝合金，简洁卫生；
4. 本设备采用进口品牌气动元件，稳定可靠；
5. 可以根据现场定制尺寸的大小；

#### Characteristic:

1. Simple structure and easy operation.
2. Suitable for cap crimping products.
3. The body adopts all stainless steel 304 and aluminum alloy.
4. This equipment adopts imported brand pneumatic components, which is stable and reliable.
5. The size of the machine can be customized according to the customer's need.

#### 技术参数 Technical parameters

型号 Model	XQMG-2A		
产量 Manufacturing speed	≤ 60 瓶/分钟 PCS/min		
主机尺寸 Size of Host Machine	930*580*650 mm		
供电 Power	AC 220V	50-60Hz	600W
气压 Air pressure	0.6 Mpa		



气动旋盖型 (Pneumatic capping type)



伺服旋盖型 (Servo motor capping type)



**特点:** 本设备经过测试符合 GMP 认证要求。

1. 采用智能触摸的操作系统;
2. 分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
3. 304 不锈钢外观, 台式结构, 实用方便;
4. 旋盖部分采用: 气动/伺服扭力下旋, 保证盖子的松紧度一致;
5. 本机采用瓶子模具快装的方式, 不同的瓶型之间能方便快速更换;
6. 本设备采用德国电眼检测, 实现无瓶不灌装、无盖不旋的功能;
7. 气动元器件采用台湾品牌。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

1. The intelligent touch operating system is adopted.
2. The separation part adopts high purity ceramic pump, which controls the injection volume of each lap by adjusting the angle of the pump head, and has extremely high measuring accuracy and repeated consistency.
3. 304 stainless steel appearance, desktop structure, practical and convenient.
4. The capping part adopts pneumatic or servo motor torsional screwing to ensure the tightness of the lid.
5. the machine adopts bottle mold fast loading method, different bottle type can be exchanged quickly and conveniently.
6. The device adopts German sensor to achieve the functions of no filling without bottle, no capping without lids.
7. Taiwan brand pneumatic components are adopted.

## 技术参数 Technical parameters

型号 Model	XQZGX-12A				
泵头 Pump	高纯陶瓷 High purity ceramics				
灌装精度 Filling accuracy	$\leq \pm 0.5\%$				
灌装单次容量范围 Filling range	0.1-2ml	0.5-5ml	1-10ml	2-25ml	5-60ml
产量 Manufacturing speed	$\leq 35$ 瓶/分钟 PCS / minute				
主机尺寸 Size of Host Machine	500*550*650 mm				
供电 Power	AC 220V 50-60Hz 550W				
气压 Air pressure	0.4-0.6Mpa				



### 特点:

- 1.采用智能触摸的操作系统;
- 2.分液部分采用: 恒压力给料, 适合中高粘度液体的灌装;
- 3.304 不锈钢外观, 台式结构, 实用方便;
- 4.旋盖部分采用: 气动扭力下旋, 保证盖子的松紧度一致;
- 5.本机采用瓶子模具快装的方式, 不同的瓶型之间能方便快捷更换;
- 6.本设备采用德国电眼检测, 实现无瓶不灌装、无盖不旋的功能;
- 7.可以根据需要定制增加打塞或者打盖等功能;
- 8.气动元器件采用台湾品牌。

### Characteristic:

- 1.Intelligent operating system with touch screen is used.
- 2.Liquid filling part: constant pressure feeding, suitable for filling medium and high viscosity liquids.
- 3.304 stainless steel appearance, desktop structure, practical and convenient.
- 4.The part of the capping is turned down by pneumatic torque to ensure the consistency of the tightness of the cover.
- 5.This machine adopts the way of quick filling of bottle molds, which can be easily and quickly replaced among different bottle types.
- 6.This equipment adopts German sensor to realize the functions of no filling without bottle, no capping without lids.
- 7.Can be customized according to the need to increase the plug or cover and other functions.
- 8.Taiwan brand pneumatic components are adopted.

### 技术参数 Technical parameters

型号 Model	XQZGX-JY12		
产量 Manufacturing speed	≤ 35 瓶/分钟 PCS / minute		
料桶容量 Tank capacity	SS304 5L / 10L / 20L		
主机尺寸 Size of Host Machine	500*550*650 mm		
供电 Power	AC 220V	50-60Hz	450W
气压 Air pressure	0.4-0.6Mpa		



**特点:** 本设备经过测试符合 GMP 认证要求。

- 1.采用智能触摸的操作系统;
- 2.分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
- 3.304 不锈钢外观, 台式结构, 实用方便;
- 4.本机采用瓶子模具快装的方式, 不同的瓶型之间能方便快捷更换;
- 5.本设备采用德国电眼检测, 实现无瓶不灌装的功能;
- 6.气动元器件采用台湾品牌。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

- 1.Intelligent operating system with touch screen is used.
- 2.The liquid-dividing part adopts high-purity ceramic pump, which controls the liquid-filling quantity of each circle by adjusting the angle of the pump head, and has high metering precision and repetitive consistency.
- 3.304 stainless steel appearance, desktop structure, practical and convenient.
- 4.The machine adopts bottle mold fast loading method, different bottle type can be changed quickly and conveniently.
- 5.This device adopts German electric eye detection to achieve the function of bottling without filling.
- 6.Pneumatic components adopt Taiwan brand.

#### 技术参数 Technical parameters

型号 Model	XQZGD-12B				
泵头 Pump head	高纯陶瓷 High purity ceramics				
灌装精度 Filling accuracy	$\leq \pm 0.5\%$				
灌装单次容量范围 Filling range	0.1-2ml	0.5-5ml	1-10ml	2-25ml	5-60ml
产量 Manufacturing speed	$\leq 50$ 瓶/分钟 PCS / minute				
主机尺寸 Size of Host Machine	500*550*650 mm				
供电 Power supply	AC 220V 50-60Hz 280W				
气压 Air supply	0.4-0.6Mpa				



**特点:** 本设备经过测试符合 GMP 认证要求。

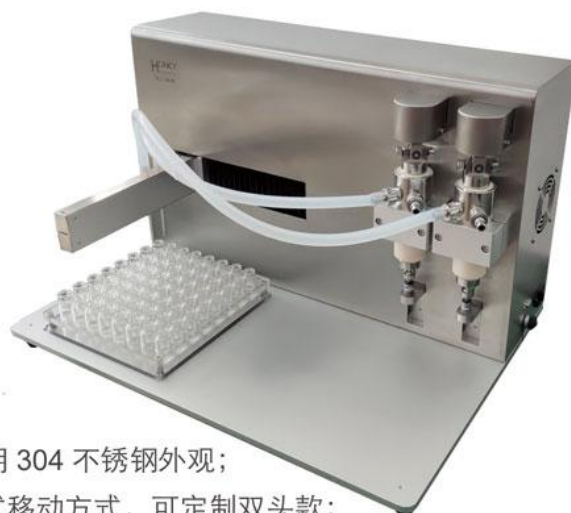
- 1.采用智能触摸的操作系统;
- 2.分液部分采用: 高纯陶瓷泵, 通过泵头角度调整控制每一圈的注液量, 具有极高的计量精度和重复一致性;
- 3.304 不锈钢外观, 台式结构, 实用方便;
- 4.本机采用瓶子模具快装的方式, 不同的瓶型之间能方便快捷更换;
- 5.本设备采用德国电眼检测, 实现无瓶不灌装的功能;
- 6.气动元器件采用台湾品牌。

**Characteristic:** This equipment has been tested to meet the requirements of GMP certification.

- 1.Intelligent operating system with touch screen is used.
- 2.The liquid-dividing part adopts high-purity ceramic pump, which controls the liquid-filling quantity of each circle by adjusting the angle of the pump head, and has high metering precision and repetitive consistency.
- 3.304 stainless steel appearance, desktop structure, practical and convenient.
- 4.The machine adopts bottle mold fast loading method, different bottle type can be changed quickly and conveniently.
- 5.This device adopts German electric eye detection to achieve the function of bottling without filling.
- 6.Pneumatic components adopt Taiwan brand.

#### 技术参数 Technical parameters

型号 Model	XQZGD-12C				
泵头 Pump head	高纯陶瓷 High purity ceramics				
灌装精度 Filling accuracy	$\leq \pm 0.5\%$				
灌装单次容量范围 Filling range	0.1-2ml	0.5-5ml	1-10ml	2-25ml	5-60ml
产量 Manufacturing speed	$\leq 30-35$ 瓶/分钟 PCS / minute				
主机尺寸 Size of Host Machine	500*550*650 mm				
供电 Power supply	AC 220V 50-60Hz 280W				
气压 Air supply	0.4-0.6Mpa				



#### 特点:

- 1.采用智能的操作系统;
- 2.灌装部分采用: 高纯陶瓷泵; 采用 304 不锈钢外观;
- 3.本设备台式设计, X-Y 两轴插补式移动方式, 可定制双头款;
- 4.本机采用托盘承托的方式, 适用站不稳的瓶型 如: 水光针、离心管、仪器管, 试剂瓶、试管等等。

#### Characteristic:

- 1.The intelligent operating system is adopted.
- 2.Filling part adopts: high purity ceramic pump; adopt 304 stainless steel appearance;
- 3.The desktop design of the equipment, X-Y two axis interpolation mobile mode and this machine has the dual-head type.
- 4.The machine adopts tray supporting method, and is suitable for unstable bottle type, such as water light needle, centrifuge tube, instrument tube, reagent bottle, test tube and so on.

#### 应用范围:

- 1.广泛应用于医药、制药、食品、化工、化妆品等行业的精密定量分装/稀释;
- 2.色谱前溶液制备, 药厂 QC 及研发, 环境监测、矿物及血液分析, 法医鉴定;
- 3.用于血液、生物试剂、口服剂、注射液、高级化妆品、香精、杀菌剂等液体的精密定量分装/稀释;

#### Application scope:

- 1.It is widely used in precision, quantitative loading / dilution of pharmaceutical, pharmaceutical, food, chemical, cosmetic and other industries.
- 2.Pre-chromatography preparation, pharmaceutical QC and R&D, environmental monitoring, mineral and blood analysis, forensic identification.
- 3.Used for precise quantitative loading / dilution of blood, biological reagents, oral agents, injections, advanced cosmetics, flavors, fungicides and other liquids.

#### 技术参数 Technical parameters

型号 Model	XQJG-1S （单头 Single head）		XQJG-2S （双头 Dual head）	
泵头材料 Pump material	高纯工业陶瓷 High purity industrial ceramics			
灌装精度 Filling accuracy	≤ ±0.5 %			
灌装范围 Filling range	0.5-2ml	1-5ml	1-10ml	2-30ml
每分钟灌装次数 Filling times per minute	≤ 40 瓶/分钟 PCS / minute		≤ 80 瓶/分钟 PCS / minute	
主机尺寸 Size of Host Machine	505×415×370 mm			



立式凝胶灌装机



卧式膏霜灌装机



#### 特点:

- 1.采用精密的高纯陶瓷转阀控制液体的输入和输出，及精密的陶瓷柱塞及腔体保证稳定精准的；
- 2.适合凝胶管、笔管、封尾管、面霜、沐浴露等。

#### Characteristic:

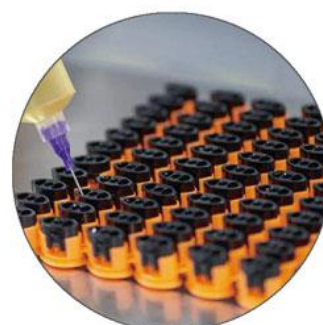
- 1.High precision ceramic rotary valve is used to control liquid input and output, and precise ceramic plunger and cavity are ensured to be stable and accurate.
- 2.Suitable for the gel tube, the pen core tube, the sealing tube, etc.

#### 技术参数 Technical parameters

型号 Model	XQQG-12	XQQG-25	XQQG-50	XQQG-100
泵头 Pump head	高纯陶瓷 High purity ceramics			
灌装精度 Filling accuracy	$\leq \pm 1\%$			
灌装范围 Filling range	1-12ml	2-25ml	5-50ml	10-100ml
产量 Manufacturing speed	$\leq 40$ 瓶/分钟 Bottle/min			
主机尺寸 Size of Host Machine	500*550*650 mm			
供电 Power	AC 220V 50-60Hz 50W			
气压 Air pressure	0.4-0.6Mpa			



塑料安瓿瓶灌装



电子烟烟弹灌装

### 特点:

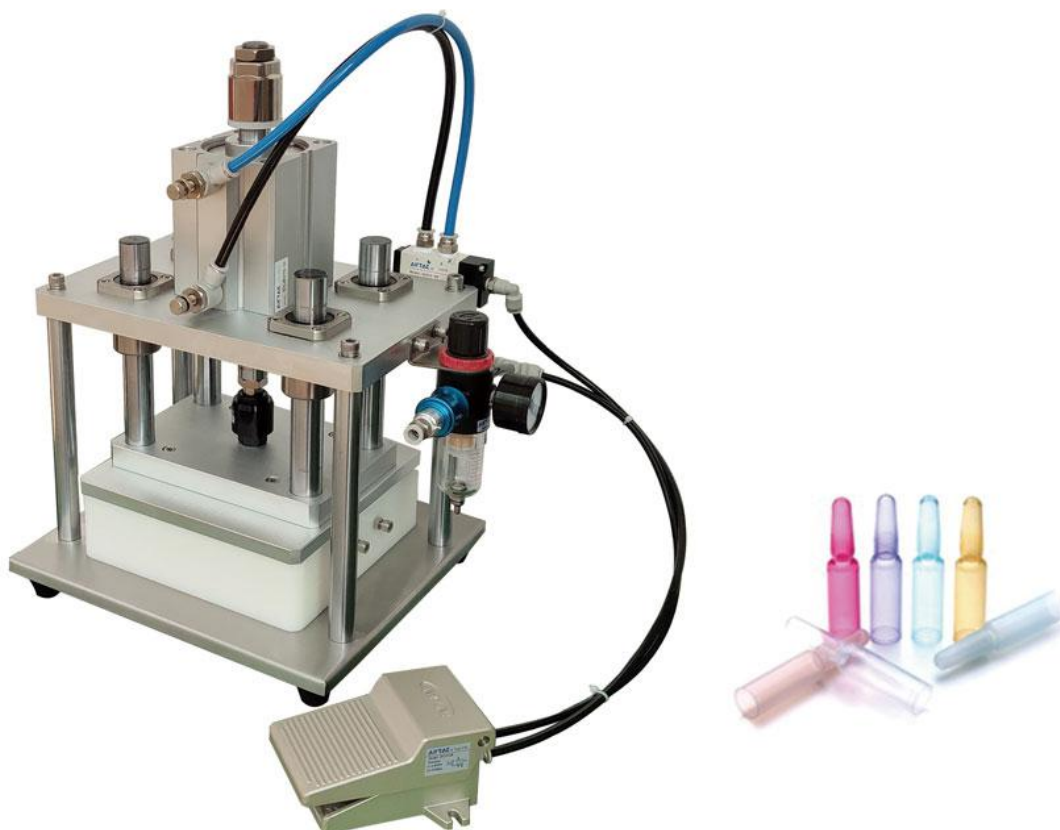
- 1.自动双通道进瓶、多通道灌装;
- 2.通用性广, 适合多种站不稳的产品。
- 3.机身采用全不锈钢 304, 简洁卫生;
- 4.本设备采用 XYZ 三轴联动方式, 采用日本电眼检测, 台湾导轨, 定位精准;
- 5.灌装部分采用: 自主研发的精密陶瓷泵, 重复精度可达 $\pm 0.3\%$ ;
- 6.可以根据现场定制尺寸的大小;

### Characteristic:

1. Automatic dual-channel bottle loading, multiple-head filling.
2. Suitable for a variety of standing instability products.
3. The machine is made of stainless steel 304.
4. This equipment adopts XYZ three-axis linkage method, using Japanese sensor, Taiwan rail, which makes the positioning precise.
5. The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.3\%$ .
6. The size of the machine can be customized according to the customer's need.

### 技术参数 Technical parameters

目标产品 Target Products	试管、安瓿瓶、水光针、烟油管等 Test tube/ampule/water needle/E-liquid bottle
产量 Manufacturing speed	$\leq 240$ 瓶/分钟 PCS/min
功率 Power	AC 220V 50-60Hz / 680w
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
主机尺寸 Size of Host Machine	720×700×800 mm



#### 特点:

1. 结构简易，操作简单；
2. 通用性广，适合多种站不稳需要压塞的产品；
3. 机身采用全不锈钢 304 和铝合金，简洁卫生；
4. 本设备采用进口品牌气动元件，稳定可靠；
5. 可以根据现场定制尺寸的大小；

#### Characteristic:

1. Simple structure and easy operation.
2. Wide versatility, suitable for a variety of products that require plug pressing due to unstable stations.
3. The body adopts all stainless steel 304 and aluminum alloy.
4. This equipment adopts imported brand pneumatic components, which is stable and reliable.
5. The size of the machine can be customized according to the customer's need.

#### 技术参数 Technical parameters

目标产品 Target Products	安瓿瓶、水光针压塞等 Ampoule/water needle cap pressing
产量 Manufacturing speed	100 瓶/次 PCS/times
气压范围 Air range	0.4-0.6Mpa
主机尺寸 Size of Host Machine	400*300*500 mm



### 特点:

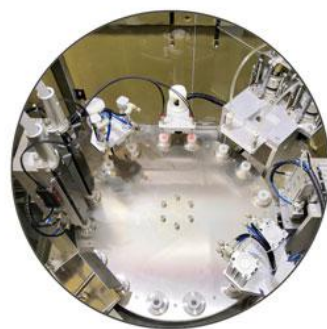
- 1.自动双通道进瓶、多通道灌装;
- 2.通用性广, 适合眼膜等产品。
- 3.机身采用全不锈钢 304, 简洁卫生;
- 4.本设备采用采用日本电眼检测, 台湾导轨, 定位精准;
- 5.灌装部分采用: 自主研发的精密陶瓷泵, 重复精度可达 $\pm 0.5\%$ ;
- 6.可以根据现场定制尺寸的大小;

### Characteristic:

1. Automatic dual-channel bottle loading, multiple-head filling.
2. Suitable for a variety of standing instability products.
3. The machine is made of stainless steel 304.
4. This equipment adopts XYZ three-axis linkage method, using Japanese sensor, Taiwan rail, which makes the positioning precise.
5. The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.3\%$ .
6. The size of the machine can be customized according to the customer's need.

### 技术参数 Technical parameters

型号 Model	双通道眼膜灌装机 (XQYM-2T)
产量 Manufacturing speed	$\leq 80$ 瓶/分钟 PCS/min
功率 Power	AC 220V 50-60Hz / 680w
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
主机尺寸 Size of Host Machine	1000×500×600 mm



#### 特点:

1. 整机全自动进瓶、检测、灌装、上塞、打塞、出瓶；
2. 整机实现工作工位稳定的无人操作；
3. 机身采用全不锈钢 304，简洁卫生；
4. 本设备采用德国电眼检测，实现无瓶不灌装、无瓶不下塞的功能；
5. 灌装部分采用：自主研发的精密陶瓷泵，重复精度可达 $\pm 0.3\%$ ；
6. 可以根据现场定制尺寸的大小；

#### Characteristic:

1. Fully automatic bottle feeding, testing, filling, plug loading, plug pressing and bottle discharging.
2. Unattended operation with stable working performance is realized in the whole machine.
3. The machine is made of stainless steel 304.
4. The equipment adopts German sensor to realize the functions of filling with bottle and stopping without bottle.
5. The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.3\%$ .
6. The size of the machine can be customized according to the customer's need.

#### 技术参数 Technical parameters

目标产品 Target Products	各种类型安瓿瓶 All kinds of plastic ampoule		
产量 Manufacturing speed	$\leq 70$ 瓶/分钟 PCS / minute		
功率 Power	AC 220V	50-60Hz	1.5kw
灌装精度 Filling accuracy	$\leq \pm 0.5\%$		
气压范围 Air range	0.4-0.6Mpa		



#### 特点:

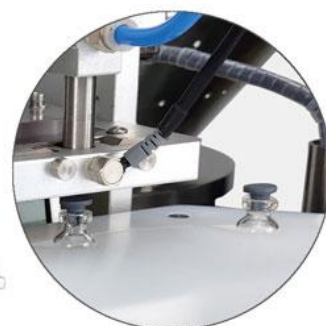
1. 整机全自动进瓶、检测、灌装、上塞、上盖、抓盖、出瓶;
2. 整机实现工作工位稳定的无人操作;
3. 机身采用全不锈钢 304, 简洁卫生;
4. 本设备采用德国电眼检测, 实现无瓶不灌装、无瓶不下塞的功能;
5. 灌装部分采用: 自主研发的精密陶瓷泵, 重复精度可达 $\pm 0.4\%$ ;
6. 可以根据现场定制尺寸的大小;

#### Characteristic:

1. Fully automatic bottle feeding, testing, filling, plug loading & pressing, capping and bottle discharging.
2. Unattended operation with stable working performance is realized in the whole machine.
3. The machine is made of stainless steel 304.
4. The equipment adopts German sensor to realize the functions of filling with bottle and stopping without bottle.
5. The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.4\%$ .
6. The size of the machine can be customized according to the customer's need.

#### 技术参数 Technical parameters

目标产品 Target Products	西林瓶 Penicillin bottle
产量 Manufacturing speed	28-35 瓶/分钟 PCS / minute
功率 Power	AC 220V 50-60Hz / 1.5kw
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
气压范围 Air range	0.5-0.7Mpa



## 特点:

- 1.整机全自动进瓶、检测、灌装、上塞、压塞、喷码、出瓶，主要针对冻干粉产品；
- 2.整机实现工作工位稳定的无人操作；
- 3.机身采用全不锈钢 304，简洁卫生；
- 4.本设备采用德国电眼检测，实现无瓶不灌装、无瓶不下塞的功能；
- 5.灌装部分采用：自主研发的精密陶瓷泵，重复精度可达 $\pm 0.4\%$ ；
- 6.可以根据现场定制尺寸的大小；

## Characteristic:

- 1.Fully automatic bottle feeding, testing, filling, plug loading & pressing, bottle discharging. Mainly for dry powder products.
- 2.Unattended operation with stable working performance is realized in the whole machine.
- 3.The machine is made of stainless steel 304.
- 4.The equipment adopts German sensor to realize the functions of filling with bottle and stopping without bottle.
- 5.The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.4\%$ .
- 6.The size of the machine can be customized according to the customer's need.

## 技术参数 Technical parameters

目标产品 Target Products	西林瓶 Penicillin bottle
产量 Manufacturing speed	28-35 瓶/分钟 PCS / minute
功率 Power	AC 220V 50-60Hz / 1.5kw
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
气压范围 Air range	0.5-0.7Mpa



#### 特点:

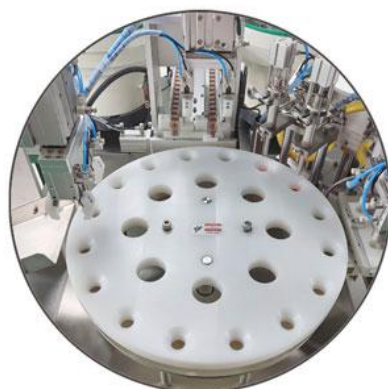
- 1.手动放瓶、检测、灌装、压塞、旋盖、出瓶;
- 2.机身采用全不锈钢 304, 简洁卫生;
- 3.本设备采用德国电眼检测, 实现无瓶不灌装、不旋盖的功能;
- 4.灌装部分采用: 自主研发的精密陶瓷泵, 重复精度可达 $\pm 0.8\%$ ;
- 5.可以根据现场定制尺寸的大小;

#### Characteristic:

- 1.Manual bottle loading, detecting, filling, plug pressing, capping and bottle-out.
- 2.The machine is made of stainless steel 304.
- 3.The equipment adopts the German sensor to achieve the function of no bottle without filling and film-sealing;
- 4.The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.8\%$ .
- 5.The size of the machine can be customized according to the customer's need.

#### 技术参数 Technical parameters

目标产品 Target Products	水剂、膏霜 Liquid / paste
产量 Manufacturing speed	30-40 瓶/分钟 PCS/min
功率 Power	AC 220V 50-60Hz /2KW
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
气压范围 Air range	0.5-0.7Mpa



## 特点:

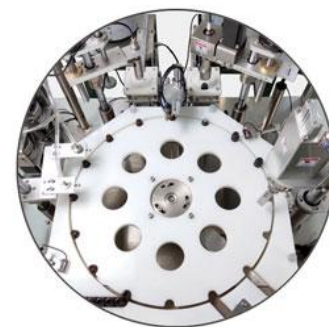
1. 整机全自动进瓶、检测、灌装、上盖、旋盖、出瓶；
2. 整机实现工作工位稳定的无人操作；
3. 机身采用全不锈钢 304，简洁卫生；
4. 本设备采用德国电眼检测，实现无瓶不灌装、无瓶不下塞的功能；
5. 灌装部分采用：自主研发的精密陶瓷泵，重复精度可达 $\pm 0.8\%$ ；
6. 可以根据现场定制尺寸的大小；

## Characteristic:

1. Fully automatic bottle feeding, testing, filling, capping and bottle discharging.
2. Unattended operation with stable working performance is realized in the whole machine.
3. The machine is made of stainless steel 304.
4. The equipment adopts German sensor to realize the functions of filling with bottle and stopping without bottle.
5. The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.8\%$ .
6. The size of the machine can be customized according to the customer's need.

## 技术参数 Technical parameters

目标产品 Target Products	水光针 Water Needle
产量 Manufacturing speed	35-45 瓶/分钟 PCS / minute
功率 Power	AC 220V 50-60Hz / 2000w
灌装精度 Filling accuracy	$\leq \pm 0.8\%$
气压范围 Air range	0.5-0.7Mpa



## 特点:

- 1.整机全自动进瓶、检测、灌装、上塞压塞、上盖旋盖、自动出瓶;
- 2.灌装装置采用瓶定位机构, 解决了精油瓶尺寸偏差的问题;
- 3.机身采用全不锈钢 304, 简洁卫生;
- 4.旋盖机构具有扭矩调节装置, 封盖扭矩可根据客户要求进行调节;
- 5.灌装部分采用: 自主研发的精密陶瓷泵, 重复精度可达 $\pm 0.5\%$ ;
- 6.整机采用 PLC 控制, 无瓶不灌装, 不压塞, 不封盖, 操作调整方便;

## Characteristic:

- 1.Essential oil filling and capping machine with automatic filling, plug pressing, and capping functions.
- 2.The filling device adopts the bottle positioning mechanism, which solves the problem that the size deviation of the Essential oil bottle.
- 3.The machine is made of stainless steel 304.
- 4.The capping device has a torque adjustment device, and the capping torque can be adjusted according to customer requirements.
- 5.The filling part adopts the precision ceramic pump developed independently, and the repeated accuracy can reach  $\pm 0.5\%$ .
- 5.The whole machine adopts PLC control, no bottle no filling, no plug-pressing and no capping, easy operation and adjustment.

## 技术参数 Technical parameters

目标产品 Target Products	精油瓶/电子烟油瓶 Essential oil bottle / E-liquid bottle
产量 Manufacturing speed	35-45 瓶/分钟 PCS / minute
功率 Power	AC 220V 50-60Hz / 1500w
灌装精度 Filling accuracy	$\leq \pm 0.5\%$
气压范围 Air range	0.5-0.7Mpa



此设备特点，是由两个独立的部分组合而成，具有较强的灵活性。

This device features a combination of two separate parts for greater flexibility.

### 特点:

1. 适合品种多，量少的定制化产品；
2. 分液部分采用：高纯陶瓷泵，通过泵头角度调整控制每一圈的注液量，具有极高的计量精度和重复一致性；
3. 旋盖部分采用伺服恒扭力旋盖，保证盖子松紧；
4. 304 不锈钢外观，台式结构，实用方便；
5. 特别适用于站得稳的瓶型；
6. 方便快速的更改不同直径的瓶种；
7. 本设备采用德国和日本的电眼检测，实现无瓶不灌装，无瓶不旋盖的功能。

### Characteristic:

1. It is suitable for customized products with many varieties and small quantities.
2. The liquid filling part adopts high-purity ceramic pump, which controls the injection volume of each circle by the angle adjustment of the pump head, and has extremely high measurement accuracy and repeat consistency.
3. The capping part is equipped with servo constant torque to ensure the cover tightening.
4. 304 stainless steel appearance, desktop structure, practical and convenient.
5. Especially suitable for standing bottle type.
6. Convenient and quick to change the bottle of different diameters.
7. This equipment adopts the sensor of Germany and Japan to realize the function of no filling without bottle, no labeling without bottles.

### 技术参数 Technical parameters

型号 Model	XQGXG-1A		
产量 Manufacturing speed	≤ 20 瓶/分钟 PCS / minute		
灌装精度 Filling accuracy	≤ ±0.5%		
主机尺寸 Size of Host Machine	2500*550*650 mm		
供电 Power	AC 220V	50-60Hz	550W
气压 Air pressure	0.4-0.6Mpa		



#### 特点:

1. 标签高度和角度可以轻松调整。它结构紧凑，便于携带；
2. 包裹站有助于粘贴标签。可以控制输送带速度和贴标速度；
3. 使用微处理器和 LED 屏幕，操作控制简单。高质量的传感器检测系统有助于更好地粘贴标签；
4. 贴标速度与输送带速度有关。粘贴标签的计数受到控制；
5. 安装了紧急停止按钮以确保安全操作；
6. 使用不锈钢和优质铝合金。

#### Characteristic:

1. It is compact and easy for carrying. Labeling height and angle can be adjusted easily.
2. Wrap station helps to paste label well. And conveyor belt speed and labeling speed can be controlled.
3. High quality sensor detecting system helps to paste label better. Operation control is simple by using microprocessor and LED screen.
4. Size of bottle can be changed without controlling position and timing. Labeling speed is linked with conveyor belt speed.
5. Emergency stop button is installed for safe operation.
6. Stainless steel and high quality aluminum alloy are used.

#### 应用范围:

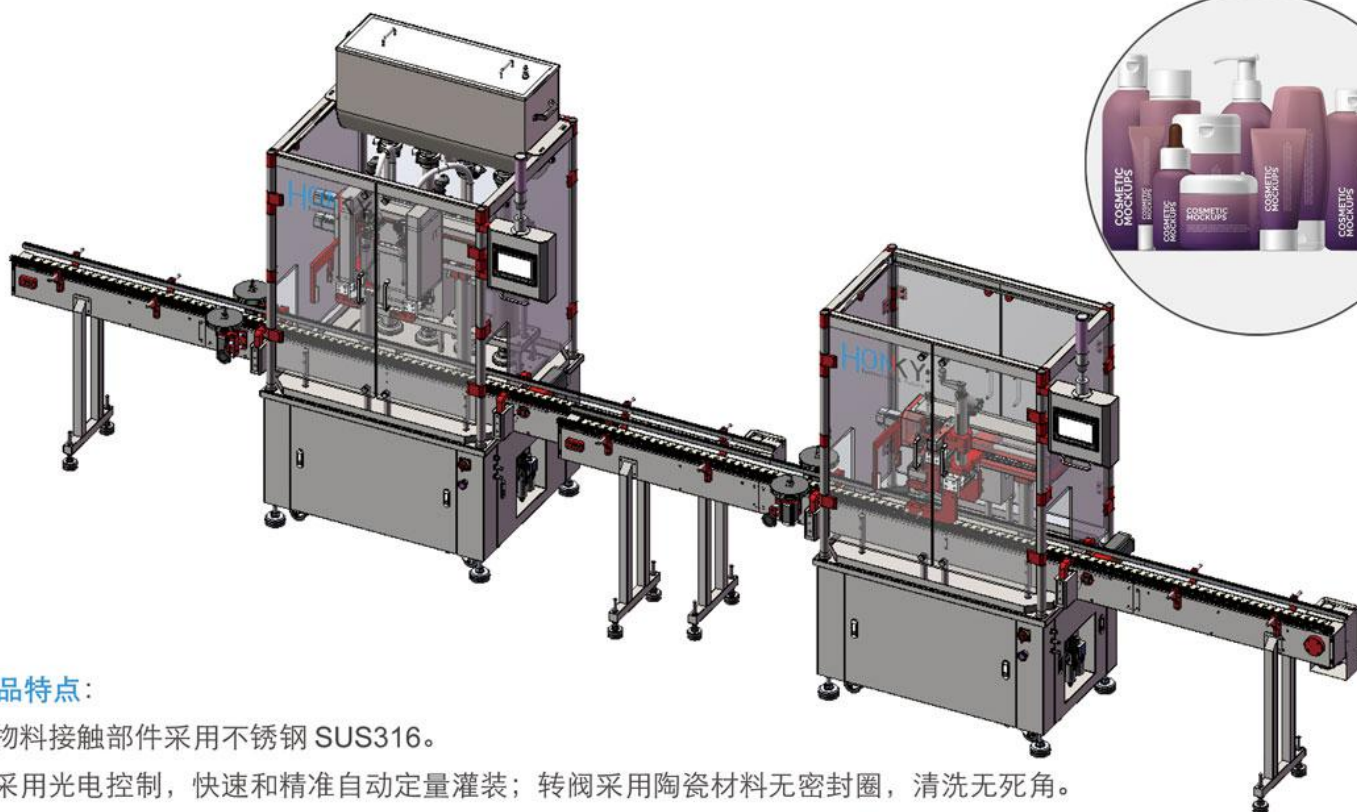
适用于：医药、日化、食品行业的圆柱形包装容器上的自动贴标。

#### Application scope:

It is suitable for automatic labeling of cylindrical packing containers in medicine, daily chemical and food industries.

#### 技术参数 Technical parameters

型号 Model	XQTB-80R		
瓶子尺寸 Bottle size	Φ20-50mm		
贴标速度 Labeling speed	100ppm		
标签卷内径 Inner diameter of label roll	Φ75mm		
贴标精度 Labeling precision	≤ ±0.8mm		
主机尺寸 Size of Host Machine	1500×880×660 mm		
供电 Power supply	AC220V	50/60Hz	750W



#### 产品特点:

- 1.物料接触部件采用不锈钢 SUS316。
- 2.采用光电控制，快速和精准自动定量灌装；转阀采用陶瓷材料无密封圈，清洗无死角。
- 3.采用运动控制器和 HMI 人机操作界面，可在操作界面一键调用参数无需人工调整机械位。
- 4.采用伺服系统，灌装精度高，定位精确。
- 5.整机采用不锈钢框架结构，透明 PC 或有机玻璃材质围框，SUS304 不锈钢台面。
- 6.采用运动控制系统配合伺服电机做跟踪式旋盖，瓶不需停止，自动跟踪瓶位置做自动旋盖，扭力可调节

#### Characteristic:

1. Material contact parts are made of stainless steel SUS316.
2. Adopt photoelectric control, fast and accurate automatic quantitative filling; The rotary valve adopts ceramic material without sealing ring, cleaning without dead corners.
3. Using motion controller and HMI man-machine operation interface, parameters can be called on the operation interface with one key without manual adjustment of the mechanical position.
4. Adopt servo system, high filling precision and precise positioning.
5. The whole machine adopts stainless steel frame structure, transparent PC or plexiglass material frame, SUS304 stainless steel countertop.
6. Adopting motion control system and servo motor for tracking type capping, the bottle does not need to be stopped, automatically tracking the bottle position for automatic capping, the torque can be adjusted

#### 技术参数 Technical parameters

生产效率 Efficiency	3000BPH (以 300ML 膏体物料为测试标准) 3000BPH (300ML paste material as the test standard)
灌装范围 Filling range	50-1000ml
灌装精度 Filling accuracy	±0.5%
供电 Power supply	6KW 220V 50Hz
气压 Air pressure	0.6~0.8Mpa About 1.8L/min



# HONKY

Technology & Future

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