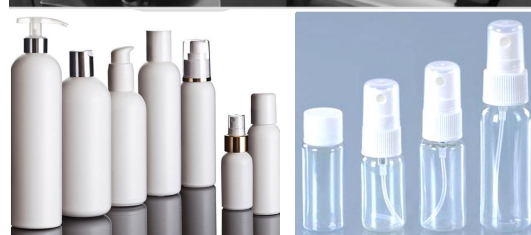
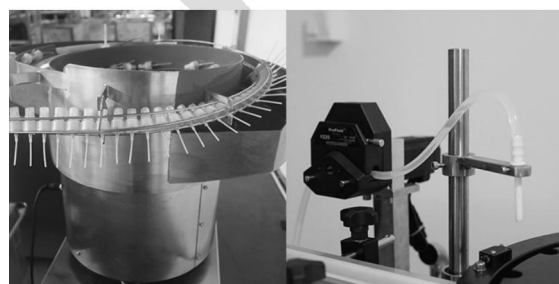


HQ-ZYP2C1 喷雾剂灌装旋盖机 Spray filling capping machine:

该设备为喷雾剂灌装旋盖机,适用于塑料喷雾瓶灌装,喷雾头旋盖,应用于药品,食品,化妆品行业的带有细长管帽盖的瓶子的液体灌装,自动上盖,自动旋紧盖,针对喷雾帽盖上的细长管不仅弯曲还细长,该机配置了国内专用机械手及导向机构,保证喷雾帽盖可靠地进入瓶口,从而实现完全自动化,不锈钢 304 外壳,设计,材料,制造,装配,调试符合 GMP 要求,整机凡接触物料及某些相关部位均采用不锈钢制作,需要清洗部位均选用快换装置,拆洗方便,整机运行平稳可靠,无噪音和其它污染.

HQ-ZYP2C1 spray filling capping machine, the equipment is suitable for filling plastic spray bottle, spraying head rotary capping, liquid filling, automatic upper capping and automatic tightening cap of bottle with slender tube cap in pharmaceutical, food and cosmetics industry. The machine is made of stainless steel for all contact materials and some related parts, It is convenient to remove and wash, the whole machine runs smoothly and reliably, no noise and other pollution;



√特点性能:

- 1,本设备集灌装,加喷头,旋/压盖,出瓶于一体,结构紧凑灵活,既能单机使用,又能组成自动生产线.
- 2,PLC 控制系统,超大触摸操作界面,自动统计生产量.
- 3,整体外壳不锈钢制作,设备美观大方,易清洁,防污染,保证了生产环境的舒适;
- 4,活塞泵计量,可在一定范围内调节灌装量大小,且调整方便; 灌装精度高.
- 5,灌装头结构简单,易拆装,便于清洗及消毒;
- 6,灌装系统带有防滴漏系统.
- 7,电磁振动器单独控制,喷头整理盘的震动强度可调节,通过调节调压器的旋钮来得到需要的送盖速度.
- 8,转盘采用间歇传动送瓶,采用国内专业厂家生产的高精度分度凸轮器控制,定位精度高,从而保证瓶子一步到位.
- 9,传送带运作平稳,无噪声,无污染,易调整,易清洁.
- 10,本机主要电器元件均采用国内外知名品牌.
- 11、本设备完全符合 GMP 标准.

√Characteristic properties:

- 1.The equipment integrates filling,add spray head, rotary/press cap, bottle out, compact and flexible structure, can be used on a single machine and can also form an automatic production line;
- 2.PLC control system, super touch interface, automatic production statistics;
- 3.The whole shell is made of stainless steel, the equipment is beautiful and generous, easy to clean, anti-pollution, ensure the comfort of the production environment;
- 4.Piston pump metering, can adjust the filling quantity in a certain range, and easy to adjust, high filling accuracy;
- 5.The filling head is simple in structure, easy to disassemble and assemble, easy to clean and disinfect;
- 6.Filling system with drip-proof system;
- 7.The electromagnetic vibrator is controlled separately,the vibration intensity of the nozzle finishing plate can be adjusted, and the required cap feeding speed is obtained by adjusting the knob of the regulator;
- 8.The turntable adopts intermittent transmission to send bottles, and adopts the control of high precision indexing cams produced by domestic professional manufacturers.The positioning accuracy is high,so as to ensure that the bottles are in place in one step;
- 9.Smooth, noise-free, pollution-free, easy to adjust, easy to clean;
- 10.The main electrical components of this machine adopt famous brands at home and abroad;
- 11.Equipment fully meets GMP standards;

√灌装嘴防滴漏:

- 1,采用压缩空气作为控制,在对于有防爆要求的环境使用高安全性.
- 2,不会产生静电,麻电现象,也不需接地.
- 3,在需急停的情况下,只需关闭气动开关,活塞自动后退到初始位,灌装停止.

√Drop-proof of filling nozzle:

- 1.Use compressed air as control, use high safety in explosion-proof environment;
- 2.No static electricity, no electricity, no grounding;
- 3.In the case of emergency stop, simply turn off the pneumatic switch, the piston automatically back to the initial position, filling stop;

√不锈钢:

- 1、灌装物料接触部分均采用 316 不锈钢材料制成,符合 GMP 要求;
- 2,选用进口元部件,经久 好用.
- 3,特殊物料选用特定材料,确保质量好.

√ Stainless steel:

- 1.Filling material contact parts are made of 316 stainless steel material, meet the GMP requirements ;
- 2.Select imported components, durable and easy to use.
- 3.When the liquid required to be filled is special,select specific materials to ensure good quality.

技术参数 Technical parameter:

产品名称 Machine name:	HQ-ZYP2C1 喷雾剂灌装旋盖机 Spray filling capping machine
灌装范围 Filling range:	5-50mL(蠕动泵 Peristaltic pump),50-500mL(活塞泵 Piston pump)
灌装速度 Filling speed:	30-80 瓶/分钟 Bottles/minute
制作材质 Material:	整机 304 或 316 不锈钢 304 or 316 stainless steel
空气压力 Air pressure :	0.6MPa-0.8MPa
电源 Power supply:	220V/380V 50-60Hz 2.5Kw
机器尺寸 Machine size:	1800*900*1600mm
机器重量 Machine weight:	550Kg

√设计过程:

- (1)工作流程: 理瓶→灌装→加喷头→上外盖 (选配) →旋盖→贴标→打码/喷码 (选配)
- (2)采用高精度蠕动泵执行灌装,精度高,调节计量范围大,该机具有无瓶不灌装 (仅限蠕动泵) /不加喷头/不加外盖的功能.
- (3)柱塞泵(可选)灌装系统不吸附药物,化学稳定性好,耐高温,耐腐蚀,耐磨,使用寿命长,在灌装一些有腐蚀性的药物时具有独特的优势,柱塞泵定量灌装,气动上盖,升降式旋盖,具有灌装计量准确,旋盖平稳,操作简单等优点.
- (4)PLC 控制系统,人机界面操作.
- (5)上盖定位装置,保证喷头塑料管过长或弯曲时也能准确进入瓶口.
- (6)灌装针头潜入瓶底灌装,缓慢上升,防止起泡.抓式柔性旋盖头,松紧任意调节.
- (7)本机主要电器元件均采用国外知名品牌.
- (8)机器外壳由 304 不锈钢材料制成,本机符合 GMP 标准.
- (9)灌装旋盖一体,经济实用占地小.
- (10)整机按 GMP 要求设计.
- (11)主电机: 上海电机,旋盖电机: 德国精研,输送电机: 德国精研;电气组件: 施耐德;PLC: 三菱;
蠕动泵: 普瑞流体;定位气缸: 亚德客;电磁阀: 亚德客;标配功能: 自动灌装,自动理盖,自动旋盖;
可增配机型: 自动理瓶,洗瓶,烘干,贴标,打码,热封;

√ Design procedure:

- (1) Work flow: Feeding bottle → filling → Put spray head → upper and outer cap (optional) → rotary cap → label / Print code (optional)
- (2) Piston pump filling system does not adsorb drugs, good chemical stability, high temperature resistance, corrosion resistance, wear resistance, long service life, in filling some corrosive drugs have a unique advantage, piston pump

quantitative filling, pneumatic upper cap, Lifting rotary cap, with accurate filling measurement, smooth rotary cap, simple operation and other advantages;

(3) High precision peristaltic pump (optional) filling, high precision, large range of adjusting metering, this machine has the function of no bottle, no filling (only peristaltic pump)/ no nozzle / no outer cap.

(4) PLC control system, man-machine interface operation.

(5) The upper cap positioning device ensures that the nozzle plastic pipe can enter the bottle mouth accurately when it is too long or bent.

(6) The filling needle dives into the bottom of the bottle rising, to prevent foaming. Grab type flexible cap head, loose and adjustable;

(7) The main electrical components of this machine adopt foreign famous brands.

(8) The machine shell is made of 304 stainless steel;

(9) Filling rotary cap integrated, economical and practical occupation of small space;

(10) Design according to GMP requirements.

(11) Main motor: Shanghai Motor, Capping motor: Germany JSCC; Conveyor motor: Germany JSCC;

Electrical components: Schneider; PLC: Mitsubishi;

Peristaltic pump: Prefluid; Positioning cylinder: AirTAC; Solenoid valve: AirTAC;

Standard function: Automatic filling, automatic loading caps, automatic capping;

Additional models: Automatic unscrambler bottles, washing, drying, labeling, coding, heat sealing;