



上海迈登科制药设备有限公司
Shanghai Medical Equipment Machinery Co.,Ltd.

GZD100数控台式液体灌装机 GZD100 TABLETOP DIGITAL FILLING MACHINES

简要说明及特点 Brief Function & Characteristic

- 1、运用齿轮泵原理，由微电脑控制计量和速度将液体填充至容器中，计量准确，适用于各种液体。
- 2、装量、速度和充填间隔都可以在操作面板上方便地设定。
- 3、每一次充填可以设定为先快后慢，以消除充填时产生的泡沫。
- 4、操作面板密封防水，轻触按钮即可设定参数，液晶屏可实时监控生产参数及运行状态。
- 5、最多可存储20套产品数据，方便客户随时调整灌装规格及产量。
- 6、泵体设计精巧无需借助工具，拆卸便捷，清洗方便。
- 7、可搭配输送带连线使用，一条输送带最多可安装4台。

- 1、The Digi-Fill uses a gear pump concept as a metering device to fill correct amounts of gels or liquids into containers.
- 2、The volume, speed, the time between of filling can be designed.
- 3、Each filling can be fast first and slow later, bubble can be eliminated.
- 4、Human interface is achieved using a combined keypad and LCD display configuration.
- 5、20 sizes data can be stored.
- 6、Pump unit easily dismantled for cleaning.
- 7、Can be extend to use in conveyor on line.

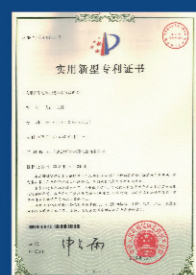
主要技术参数 Main Technology Specification

装量	Volume	10ml~11000ml
装量精度	Accuracy	0.5-1%
灌装速度	Filling Speed	100ml 24P/min 300ml 16P/min 1000ml 10P/min
电源	Supply Power	1P 220V 50-60Hz 400W
体积	Size	310x480x310mm
净重	Net Weight	18Kg

注：可定制采用步进电机驱动、光电计数控制的灌装机，适应小剂量高精度液体灌装充填。最小灌装量2ml ± 0.1ml
Note: Can be customized a filling machine control by stepping motor drive and photoelectric counting, suitable for small doses and high-precision liquid filling. Minimum filling volume 2ml ± 0.1ml

取得国家专利证书

证书号: ZL2014206095477
Chinese Patent Certificate
Patent NO. ZI2014206095477



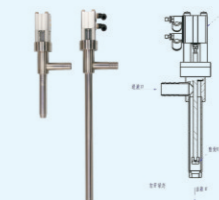
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GZD100数控台式液体灌装机 GZD100 TABLETOP DIGITAL FILLING MACHINES

配件 Accessories



标准型充填嘴
直径: $\phi 10/\phi 6/\phi 4$
注: 适合水剂类及一般液体
Standard filling mouth
Dia.: $\phi 10/\phi 6/\phi 4$
Note: Suitable water and generally liquid



气动式充填嘴
直径: $\phi 16/\phi 19$
注: 适合油类及易渗透类液体
Pneumatic filling mouth
Dia.: $\phi 16/\phi 19$
Note: Suitable for oil and easily penetrate liquid

应用、推广 Popularization and Application

	齿轮泵(Gear Pump)	活塞泵(Piston Pump)
灌装量 Filling volume	灌装范围大MAX 11L, 可以适应客户多规格产品的灌装。 Large filling range, MAX 11L, can adapt to customers' multi-specification products filling.	灌装量恒定, 多规格灌装需要购买多台机器。 Constant the filling volume, more specifications filling need to purchase multiple machines.
体积 Overall dimensions	体积小巧, 占地面积小, 一人一只手就可搬运。 Small and exquisite volume, can be moved only by one hand.	体积大, 尤其超过500ml以上设备是本机器体积的2-5倍, 需多人搬运, 占地面积大。 Bulky equipment, the volume of equipment filling over 500ml is 2-5 times of this machine, need more people to move, occupy large area.
灌装控制 Filling control	微电脑控制, 精度高, 参数设定、运行状态监控一目了然, 方便快捷。 Microcomputer control, high precision, parameter setting and operation status monitoring at a glance, conveniently.	无精确控制, 靠气缸自身精度完成。 No precise control
操作 Operation	对应不同灌装量, 本机有“Learn”自动设定功能, 一键设定避免凭人工经验反复设定。 Native and automatic "Learn" setting function corresponding to different filling volume, one key set to avoid complicated set with artificial experience.	无此功能, 需要人工更换调整, 繁琐费时。 Without "Learn" function, need worker to replace and adjustment manually, cumbersome and time-consuming.



微电脑控制, 可设定9级菜单, 达到设置、储存多种数据, 操作简单。
Microcomputer control, nine grades menu can realize setting and storing a variety of data, operation simply.

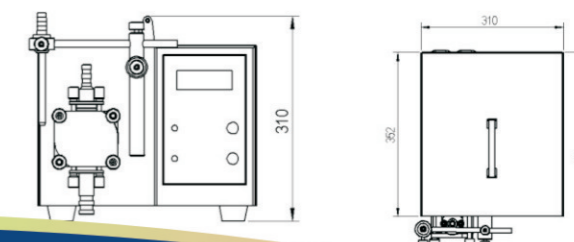


光电传感器计数, 控制灌装精度。
Photoelectric sensor count, control the filling accuracy.

应用于制药业、食品业、化妆品、农业等各行业。例如果蔬饮料、豆浆、丙酮、戊二醛、洗发水等。

Used in the pharmaceutical industry, food industry, cosmetics, agriculture and other industries. Such as fruit and vegetable drinks, soy milk, acetone, glutaraldehyde, shampoo, etc.

外形尺寸 Overall Dimension



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FAX: 86 021-50315805

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WEB: www.mdc-sh.com



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GZD110 数控台式液体灌装机 (专灌黏稠液体)

GZD110 TABLETOP DIGITAL FILLING MACHINES (FOR VISCOUS LIQUIDS)



主要技术参数 Main Technology Specification

装量	Volume	10ml~2000ml
装量精度	Accuracy	1~2%
灌装速度	Filling Speed	50ml 10P/min
电 源	Supply Power	1P 220V 50~60Hz 400W
体 积	Size	310x480x310mm (L x W x H)
净 重	Net Weight	18 Kg

GZD100H 数控台式液体灌装机 (触摸屏)

GZD100H TABLETOP DIGITAL FILLING MACHINES (TOUCH SCREEN)



主要技术参数 Main Technology Specification

装量	Volume	10ml~11000ml
装量精度	Accuracy	0.5~1%
灌装速度	Filling Speed	100ml 48P/min 300ml 32P/min 1000ml 20P/min
电 源	Supply Power	1P 220V 50~60Hz 400W
体 积	Size	310x480x310mm
净 重	Net Weight	18Kg

GZD200H 数控台式液体灌装机 (双头泵)

GZD200H TABLETOP DIGITAL FILLING MACHINES (FOR DOUBLE PUMP)



主要技术参数 Main Technology Specification

装量	Volume	10ml~11000ml
装量精度	Accuracy	0.5~1%
灌装速度	Filling Speed	100ml 48P/min 300ml 32P/min 1000ml 20P/min
电 源	Supply Power	1P 220V 50~60Hz 800W
体 积	Size	460x480x310mm
净 重	Net Weight	36Kg

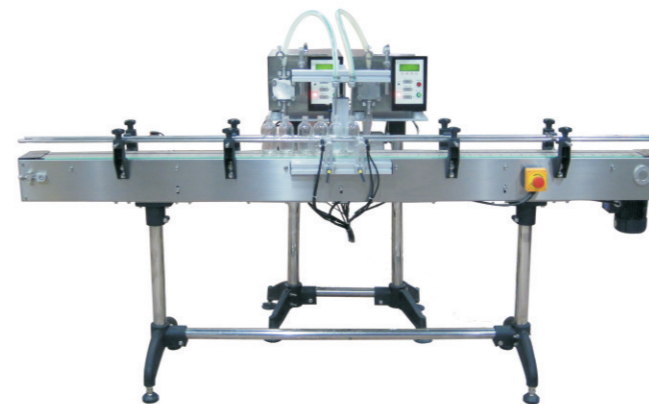


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GZD100-2/4 数控台式液体灌装机—输送带在线使用

GZD100-2/4 TABLETOP DIGITAL FILLING MACHINES—FOR ONLINE

GZD100-2



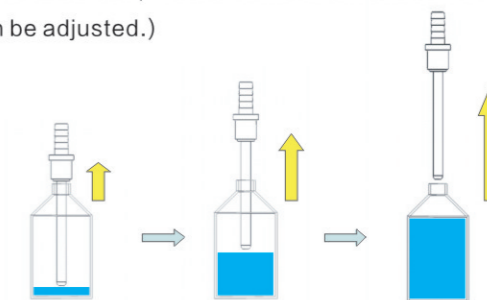
GZD100-4



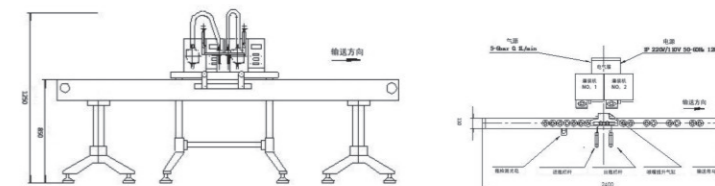
应用、推广 Popularization and Application

使用输送带在线联机时，对于容易产生泡沫的液体，本设备可以实现边灌装边提升喷嘴，从而可以消除泡沫。(提升开始时间、速度均可调整)

The equipment can achieve simultaneously promote the nozzle during the filling when using a conveyor belt-line, effectively to reduce the bubbles. (The start time of enhance and the speed both can be adjusted.)

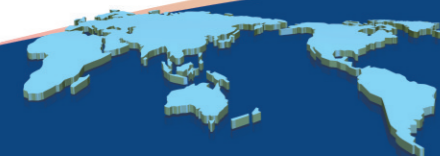


应用、推广 Popularization and Application



主要技术参数 Main Technology Specification

型 号	Model	GZD100/2 (2 Unit Online)	GZD100/4 (4 Unit Online)
装量	Volume	10ml~11000ml	10ml~11000ml
装量精度	Accuracy	0.5~1%	0.5~1%
灌装速度	Filling Speed	100ml 40P/min 300ml 30P/min 1000ml 18P/min	100ml 60P/min 300ml 45P/min 1000ml 26P/min
电 源	Supply Power	1P 220V 50~60Hz 1200W	1P 220V 50~60Hz 1600W
压 缩 空 气	Air	5~6Kg/cm ² 100L/min	5~6Kg/cm ² 100L/min
体 积	Size	2400x800x1300mm (L x W x H)	2400x800x1300mm (L x W x H)
净 重	Net Weight	120Kg	160Kg
输送带宽度	Conveyor Width	80mm 200mm	80mm 200mm



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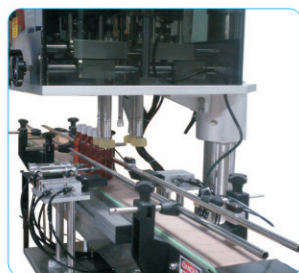
XGA300直线式自动旋盖机

XGA300 AUTOMATIC SCREW CAPPING MACHINES

简要说明及特点 Brief Function & Characteristic

- 1、旋盖质量稳定可靠，触摸屏显示，智能控制操作方便。
- 2、瓶身宽度、瓶身高度，手柄任意调节方便，适用于多品种更换。
- 3、可更具不同瓶盖直径，四个旋盖头可任意调节。
- 4、自动感应容器瓶身，有智能欠瓶暂停保护功能。
- 5、旋盖时，有下压再旋盖功能，能旋鸭嘴式瓶盖和特殊结构瓶盖，适用于面更广。

- 1、The screw cap quality stable & reliable, the touch screen, intelligent control is easy to operate.
- 2、The width and height of the bottle, can do any convenient adjustment, is suitable for many kinds of replacement.
- 3、Can be more different cap diameter, four screw head can be arbitrary regulation.
- 4、Automatic induction bottle, intelligent owe bottle protection function.
- 5、Screw cap, a press screw cap function again, can spin duck-billed bottle caps and special structure, apply to widely used.



主要技术参数 Main Technology Specification

外形尺寸	Size	L1600mm*W700mm*H1400mm
净重	Net Weight	350kg
电源	Mains	220V AC 50/60Hz
瓶身高度	Bottle size	Height 300mm max.
瓶身直径	Bottle Diameter	Diameter 90mm max
旋盖范围	Cap size	Diameter 16~18mm
用气量	Air pressure	0.4~0.6Mpa
扭力范围	Torque	2kgf/cm2 max.
旋盖速度	Speed	1200~1500B/H



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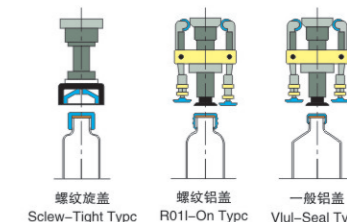
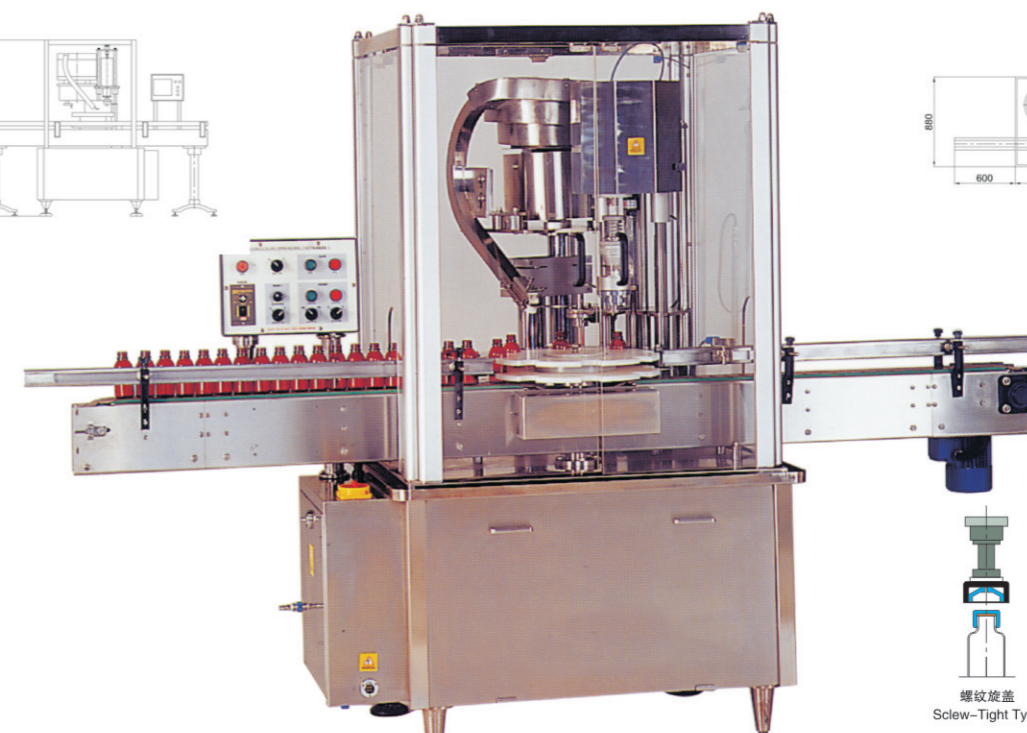
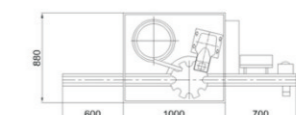
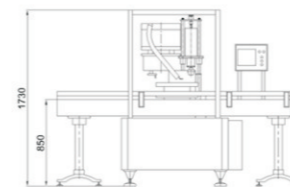
XGA600星盘式自动锁盖机

XGA600 Automatic Cap Sealing Machine

简要说明及特点 Brief Function & Characteristic

- 1、星盘作间歇旋转将瓶子定位，星盘过载或发生卡瓶时自动停止运行。
- 2、多点光电传感器检测，无瓶、无盖、瓶子堵塞时均暂停作业，恢复后自动运行。
- 3、可根据需要更换不同的锁盖头，实现螺纹旋盖、压盖、轧螺纹

- 1、Star wheel locates bottles with interval rotations, Star wheel auto-stops during over-loading or bottle clamping.
- 2、Multi detection with optical-electro sensors, pauses if without bottle/cap or bottle jam, re-running automatically after correction.
- 3、Various capping heads are changeable for screw-capping, press-capping or alu-capping.



主要技术参数 Main Technology Specification

型号	Model	XGA600-I	XGA600-II	XGA600-III
旋盖种类	Sealing type	螺纹旋盖Screw-on	螺纹铝盖Screw-Type	轧口铝盖Aluminum Roll
生产速度	Speed	40-55P/min	40-55P/min	40-55P/min
使用电源	Source	3P 380V	3P 380V	3P 380V
功率	Power	1.2KW	1.2KW	1.2KW
耗气量	Air	4Kg 30L/min	4Kg 30L/min	4Kg 30L/min
重量	N.W	700Kg	700Kg	700Kg



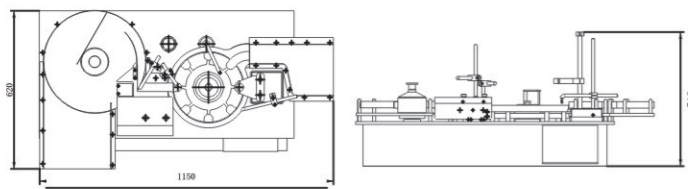
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GXF100 自动星盘灌装旋盖机

GXF100 AUTOMATIC DISK FILLING AND CAPPING MACHINE



主要技术参数 Main Technology Specification

装量	Volume	0~100ml
产量	Accuracy	≤0.5% 0.5~1%
装量精度	Speed	≤40 Bottle/min
电源	Supply Power	1P AC200V 50~60Hz 500W
供气	Air Pressure	0.5~0.7MPa
体积	Size	L 1150 x W 620 x H 518 mm
净重	Net Weight	75kg

简要说明及特点 Brief Function & Characteristic

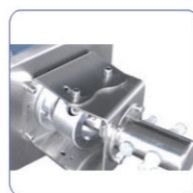
- 1、采用先进的自动化界面，操作简单，参数可以任意调整保存；
 - 2、灌装头可以齿轮泵、蠕动泵、陶瓷泵任意搭配，满足所有液体灌装客户要求；
 - 3、灌装旋盖一体，降低成本、防止操作疲劳、提高生产效率；
 - 4、定量灌装、恒扭力旋盖，产品一致性高；
 - 5、最高产量可达到每小时2100瓶
 - 6、适用范围广泛：医药、制药、食品、化妆品、香料、精油、化工等各个行业
- 1、use advanced automatic interface, the operation is simple and the parameters can be adjusted and saved at will;
 - 2、The filling head can be matched with gear pump, peristaltic pump and ceramic pump to meet the requirements of all liquid filling customers;
 - 3、Filling & capping integrated, reduce cost, prevent operation fatigue and improve production efficiency;
 - 4、Quantitative filling, constant torque screw cap, consistent products
 - 5、Maximum production can reach 2100 bottles per hour
 - 6、Wide range of application: medicine, pharmacy, food, cosmetics, spices, essential oil, chemical and other industries



齿轮泵
Gear Pump



蠕动泵
Peristaltic Pump



防瓷泵
Ceramic Pump



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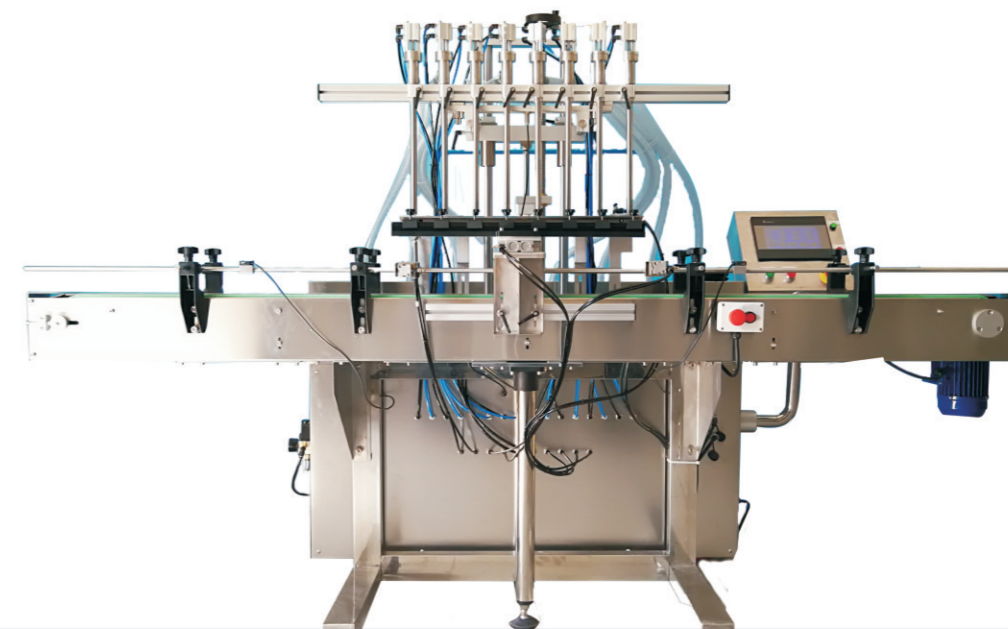
GZD800H-8QSDP 8头齿轮泵灌装一体机

GZD800H-8QSDP 8 GEAR PUMP FILLING MACHINE

简要说明及特点 Brief Function & Characteristic

- 1、灌装泵头，最多可选8头在线。
- 2、气缸灌装嘴，针对附着力低的液体及大剂量灌装。
- 3、灌装嘴提升机构，可实现边提升边灌装，最大限度消除泡沫产生。
- 4、防滴漏托盘，防止液体滴漏在输送带和瓶身上。
- 5、数瓶传感器，设定灌装头数，智能识别头数，到数灌装不到数自动等待。
- 6、灌装嘴未到位检测，自动识别检测到灌装嘴未伸入瓶口或瓶子翻倒，停止灌装程序报警。

- 1、Up to 8 pump heads can be filled online
- 2、Equipped with pneumatic nozzle, can fill thick and large amount of liquid
- 3、Equipped with lifting mechanism, can achieve filling and nozzle lifting, eliminating foam
- 4、Equipped with sensor, automatically identify the number of empty bottles, do not fill until the set value
- 5、The nozzle detection sensor automatically detects that the nozzle is not inserted into the bottle or the bottle is tipped over

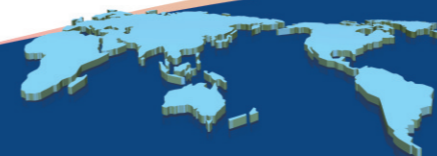


主要技术参数 Main Technology Specification

型号 Model	GZD400H (4 Pump Online)	GZD600H (6 Pump Online)	GZD800H (8 Pump Online)
装量 Volume	10ml~20000ml	10ml~20000ml	10ml~20000ml
装量精度 Accuracy	0.5~1%	0.5~1%	0.5~1%
灌装速度 Filling Speed	100ml 60 B/min 1000ml 26 B/min	100ml 72 B/min 1000ml 48 B/min	100ml 90 B/min 1000ml 58 B/min
电源 Supply Power	1P 220V 50~60Hz 1800W	1P 220V 50~60Hz 2600W	1P 220V 50~60Hz 3400W
压缩空气 Air	5~6Kg/cm ² 100L/min	5~6Kg/cm ² 100L/min	5~6Kg/cm ² 100L/min
体积 Size	1600x880x1550mm (L x W x H)	1600x880x1550mm (L x W x H)	1600x880x1550mm (L x W x H)
净重 Net Weight	300Kg	400Kg	500Kg
输送带宽度 Conveyor Width	80mm 200mm	80mm 200mm	80mm 200mm



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XGA100台式半自动旋盖机

XGA100 TABLETOP SCREW CAPPING MACHINES



简要说明及特点 Brief Function & Characteristic

- 1、旋盖质量稳定可靠，方便更换旋盖头，适合多品种小批量生产。
 - 2、自动感应容器瓶身进行旋盖，操作简易。
 - 3、非工作状态下自动断开供气，有效防止误操作。
 - 4、扭力保护功能可保持恒定扭力旋盖，保护瓶盖不受扭力影响而破损。
 - 5、防止二次旋盖功能的精巧设计，可避免同一瓶盖被多次旋盖，有效保护瓶盖完整。
 - 6、多种旋盖治具，适用于各种规格的瓶盖安装。
- 1、Steady and reliably quality of screw capping, greatly reduce the labor intensity of the operator.
 - 2、Automatic induct container for screw capping, operate easily.
 - 3、Automatically disconnect the air compression supply in non-working state, effectively preventing the industrial accidents caused by misoperation, extremely high safety.
 - 4、Torsion protection function can maintain a constant torque during the screw capping, leave the cap damaged from torque impact.
 - 5、Compactly ended secondary screw capping features design can avoid the same container multiple screw cap, protection caps complete effective.
 - 6、Multiple screw capping moulds, suitable for all kinds of caps' installed.

主要技术参数 Main Technology Specification

外形尺寸	Size	L380mm*W170mm*H440mm
净重	Net Weight	16kg
电源	Mains	110~220V AC 50/60Hz
瓶身高度	Bottle size	Height 220mm max.
瓶身直径	Bottle Diameter	Diameter 100mm max
旋盖范围	Cap size	Diameter 60mm max.
用气量	Air pressure	0.2~0.6Mpa
扭力范围	Torque	6kgf/cm2 max.
扭力保护	Torque control	33 grade control

配件 Accessories



小瓶盖夹头：
旋盖范围：瓶盖直径 25~50mm
Cap size: Diameter 25~50mm

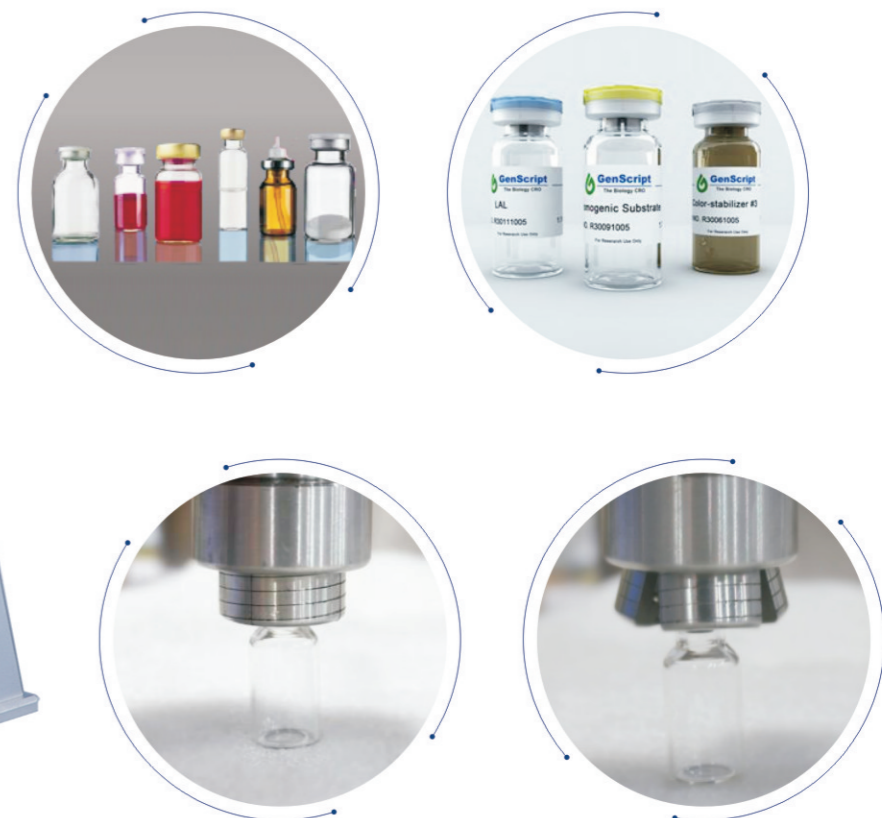
大瓶盖夹头：
旋盖范围：瓶盖直径 15~32mm
Cap size: Diameter 15~32mm



上海迈登科制药设备有限公司
Shanghai Medical Equipment Machinery Co.,Ltd.

XGA200台式半自动轧盖机

XGA200 TABLETOP VIAL CAPPING MACHINES



配件 Accessories



锁盖头-13：
轧盖范围：瓶盖直径 13mm
Cap size: Diameter 13mm

锁盖头-20：
轧盖范围：瓶盖直径 20mm
Cap size: Diameter 20mm

注：特殊瓶子和瓶盖的锁盖头尺寸可以定制。
Cap lock size can be customized for special bottles and caps.

主要技术参数 Main Technology Specification

外形尺寸	Size	L380mm*W170mm*H440mm
净重	Net Weight	16kg
电源	Mains	110~220V AC 50/60Hz
瓶身高度	Bottle size	Height 200mm max.
轧盖范围	Cap size	Diameter 13mm / 20mm.
用气量	Air pressure	0.4~0.6Mpa

Shanghai Medical Equipment Machinery Co.,Ltd.

TEL: 86 021-50315835

FAX: 86 021-50315805

EMAIL: mdc_sh@163.com

WEB: www.mdc-sh.com

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