

XL-1B Mini Vial Filling Stoppering and Capping Machine

Max Output: 30-50 bottle/min

Applied bottle: 2-30ml vial, glass bottle or plastic bottle

Accuracy: 0-2% reject rate

Sealing rate: ≥99%

Power supply: 220V , 50Hz , one phase

Power: 1 KW

Overall dimensions: 1250*1100*1200mm

Weight: 300kg

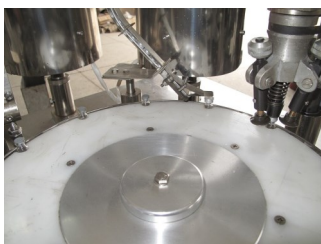
Automated ready-to-use filling, stoppering and capping system. Flexible in design for small batch pharma or liquid filling production.

Base Model and Price includes one set mould. Optional moulds accessories allow for filling a range of vials, stoppers and caps sizes.

** Sample of Vials, Caps and Stoppers needed prior to manufacturing of machine to create set moulds for optimized performance (at least 200ea)

NEW ! : Peristaltic Pump liquid feed-in.

Display PLC integrated control system .



Chromalytic
specialists in chromatography

Chromalytic Technology Pty Ltd
232 Forest Rd Boronia Vic 3155
Tel No : +61-3-9762-2034

Web : <https://www.chromalytic.net.au>
Email : sales@chromtech.net.au

NO	Name	Model	Qty
1	Circuit breaker	16A	1pcs
2	Relay (with base)	LY2N-J. DC24V. 10A	5 pcs
3	Fuse	FS - 101	5 pcs
4	PLC	VB1 - 24MT or VB1 - 32MT	1 pcs
5	Touch screen	TK6070IP	1 pcs
6	Switching Mode Power Supply	S-35-24	1 pcs
7	Switching Mode Power Supply	S-350-48	1 pcs
8	Stepper motor	2S56q- 02976	1 pcs
9	Driver	2m560	1 pcs
10	Watson-Marlow peristaltic pump head	102R	1 pcs
11	Transducer (optional)	DELTA, VFD-L Series 0.75KW	1 pcs

XL-1B Upgrade from XL-1 2019+

Syringe Filling : Mechanical Cam Operated Glass Syringe / 2-way valve XL1

2019+ XL-1B upgrade >

: Peristaltic Pump > variable fill, speed, timing, sample volume via LED panel

: LED Power Control Panel

> integrated PLC electronic control > Peristaltic Pump

Options

XL1B-13

13mm Crimp Caps / Stoppers, 2ml, 3ml, 4 ml, 13ml

requires :

Feed-in Platten adstment for different OD Vials (2, 3, 4, 13ml

Rotating Vial Platten *

Stopper Hopper > vibrating feed

Cap Hopper > vibrating feed 13mm caps (FO or Std Alum ?)

mpv4

13mm Auto Crimper

XL1B-20

20mm Crimp Caps / Stoppers, 7ml, 10ml, 20ml

requires :

Feed-in Platten adustment for different OD Vials (7, 10, 20ml)

Rotating Vial Platten *

Stopper Hopper > vibrating feed >20mm stoppers

Cap Hopper > vibrating feed 20mm caps" (FO or Std Alum ?)

20mm Auto Crimper

2020+ Future improvements

AIM > to reduce size to a smaller lab version (TableTop ?)

*

> Fixed Hole D platten 30mm

- vial hole inserts to allow reduction of Vial OD to 22.4mm, 16.5mm

- adjustable input shute rails to allow 22.4, 16.5mm D vials

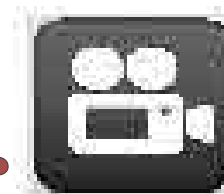
- 300kg > **~150kg (?)** compromise for MAX of 20ml vials and 20mmCaps (Shipping Box XL-1 currently ~500kg & far too unwieldy to handle)

XL-1 Video /



../videos/xl-1.mp4

XL-1B Video

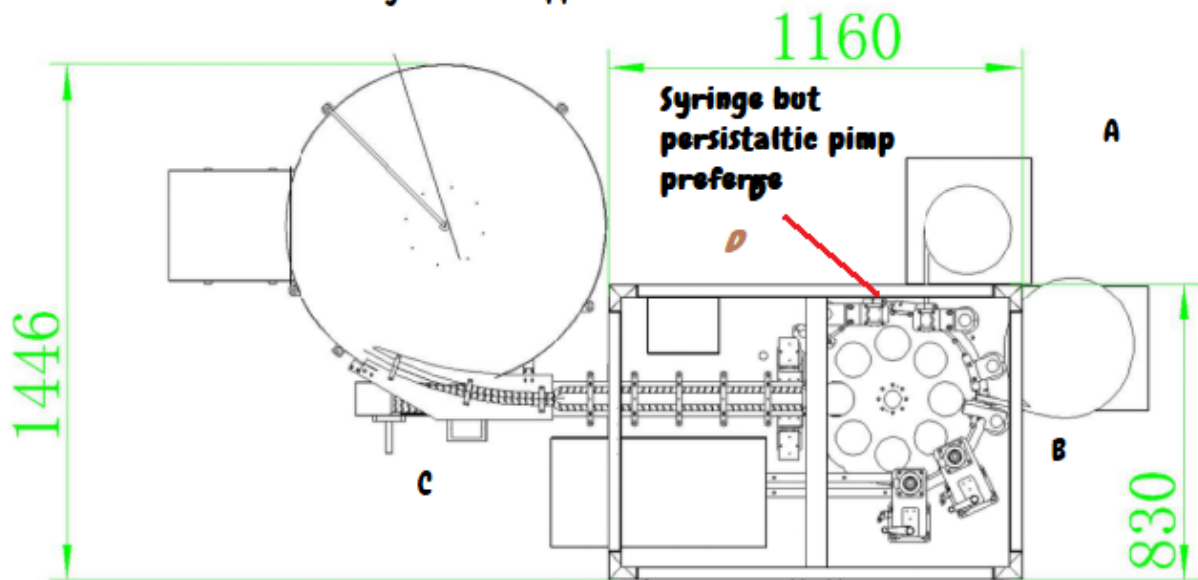


Typical XL-Vial Filling/Stoppering/Capping Machine - SCHEMATIC

Typical **XL** Vial Filling Stoppering CrimpCapping Machine - **SCHEMATIC**

ideal **smaller** > benchtop machine
this machine ~ 600Kg Gross / 350kg
Net but too heavy for a Lab App

*PLC Control "Cam"
Mechanism IS OK 1220VACe
single phase (AUSTRALIA)*



XL-1B Upgrade PLC Control - Wiring Overall 2023



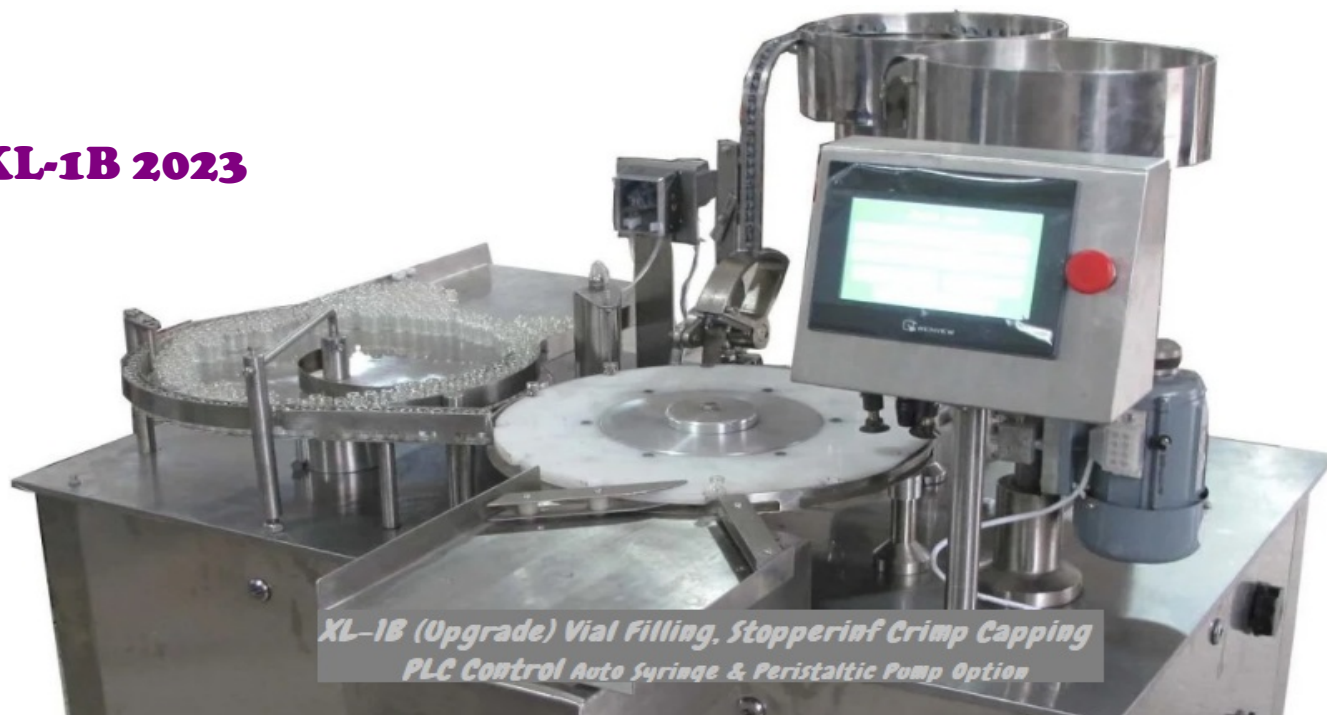
*XL-1B Vial Filling Stoppering Capping Machine - PLC Control Wiring
Simplicity ? 220VAC to Transformer to 24VAC / DC ?*

[XLm/watch?v=7dKSBgQzJo4](https://www.youtube.com/watch?v=7dKSBgQzJo4)

XL-1 Vial Filler : adjust from D22H45mm to D22H49mm

<https://www.youtube.com/watch?v=3Z7D2Shg-z4>

XL-1B 2023



*XL-1B (Upgrade) Vial Filling, Stoppering and Crimp Capping
PLC Control Auto Syringe & Peristaltic Pump Option*

Product Description

L-1B Economic Mini Vial Filling Stoppering And Capping Machine

Description : This machine is the filling apparatus in the oral liquor assembly line, which is mainly applied in the filling, lidding, screw sealing of 5-30 ml bottles.

The operation of filling and sealing is combined in this machine with its advanced design and compact structure.

This machine is 2 filling point. Guarantee the filling is with smoothness.

The vials filling machine can be used for 5-30ml. and is The factory production of 5-30, transport vials filling machine is suitable for multi-use specifications of pharmaceutical, biological products, chemical, cosmetic and food industries small doses of liquid filling equipment.

The machine adopts electromechanical integration technology, with high accuracy, easy to clean, non-polluting liquids, non-drip, can adapt to a variety of high-precision liquid filling, is currently advanced liquid filling equipment, the machine made of stainless steel casting, the machine can be completed bottle, bottle feeding, conveying.

It can be mechanically connected with the previous process.

The machine is reliable, durable, easy maintenance, replacement specifications, simple operation, reasonable structure.

Technical parameters:

Max Output: 30 bottle/min Applied bottle: 5-30ml vial, glass bottle or plastic bottle

Sealing rate: ≥ 99% Power supply: 220V, 50Hz, one phase Power : 1KW Overall.

Dimensions: 1250*1100*1200mmW

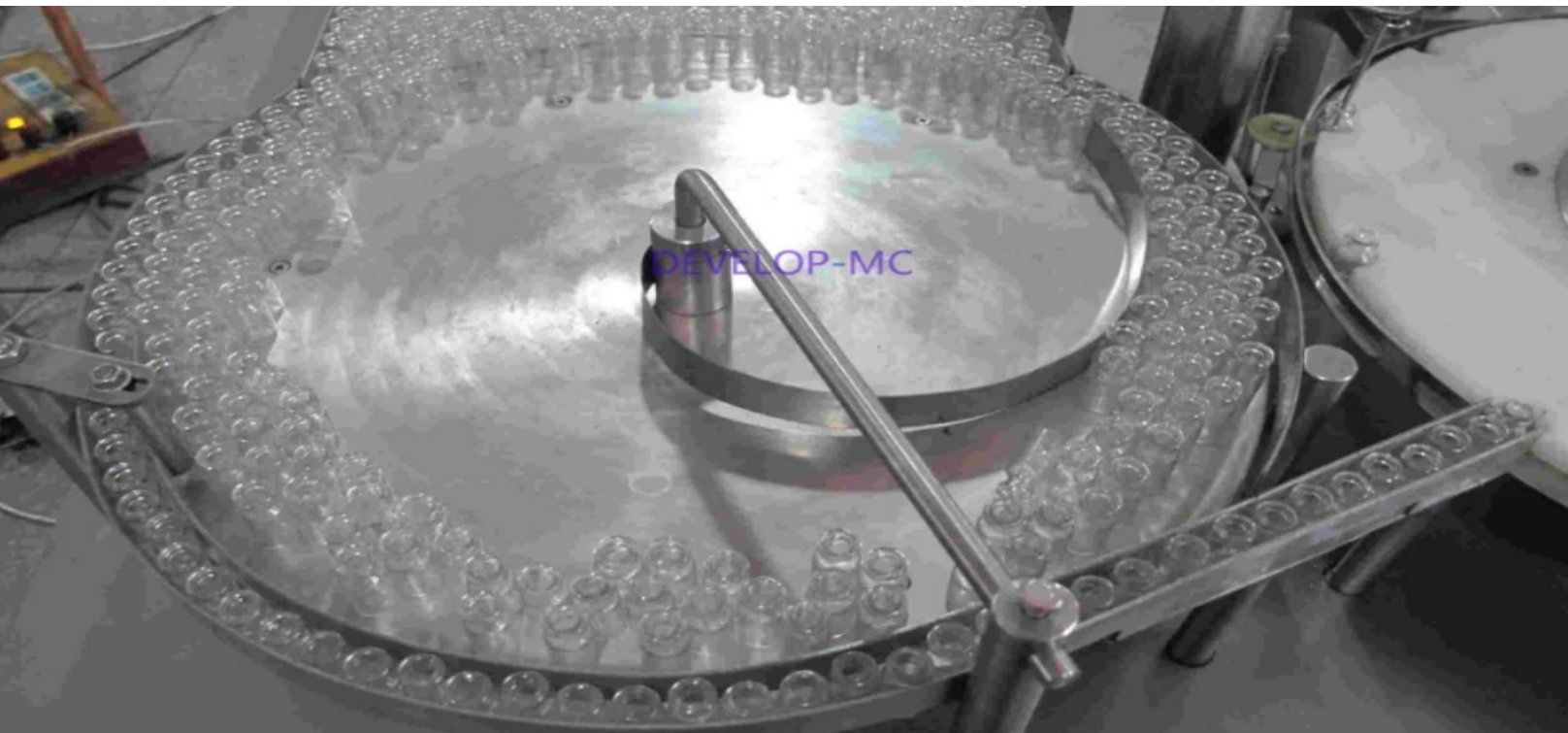
Weight: 400kgNet; 550kg Gross (in Wooden Crate in 3 to 4 parts).

One size Vials as Standard : 10ml 22D x 50mmH, FlipTopCaps 20mm

Different Sizes : require Different "Plattens"; and 13mm Stopper/Cap "Hoppers"

YOUR Vial "Set" required for "factory fine tuning" of this machine (100 of each) pre - production !

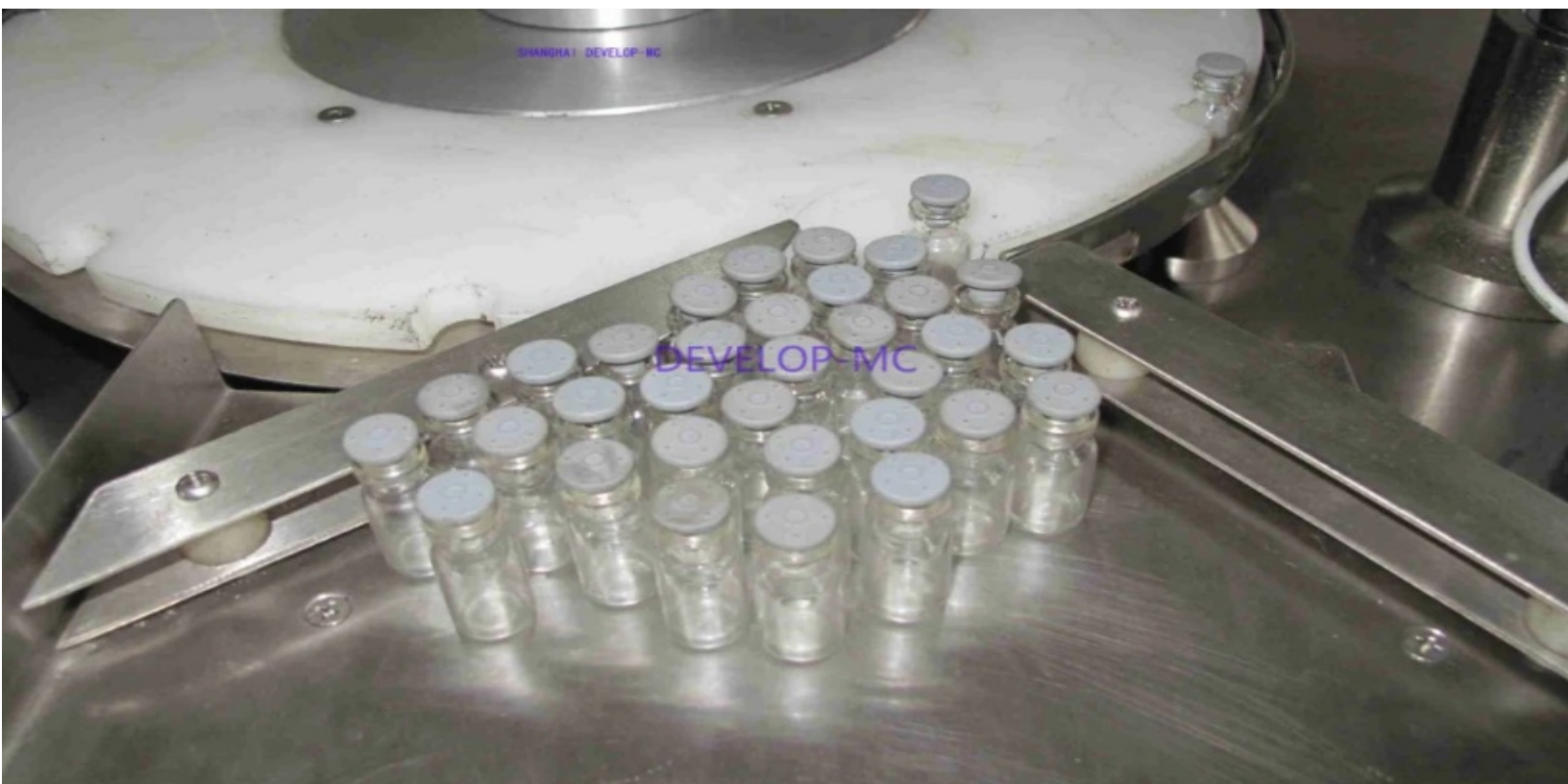
some Detail XL-1B > pics



some Detail XL-1B > pics



some Detail XL-1B > pics



some Detail XL-1B > pics

