



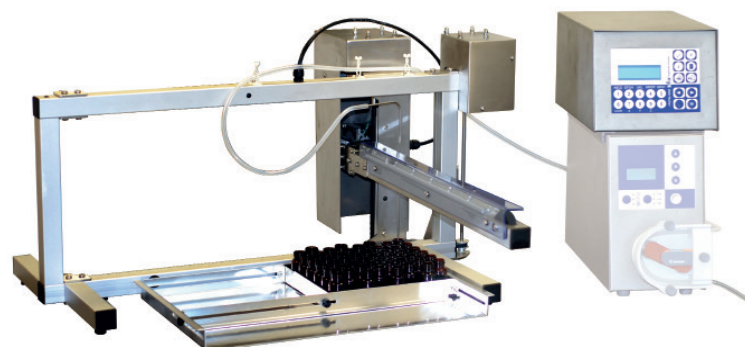
ADELPHI MANUFACTURING

VIAL PROCESSING

Adelphi offers a range of equipment designed to facilitate the efficient filling, closing and inspecting of vials in a laboratory or R&D environment.

XYZ Distributor

The XYZ Distributor is designed to be used in conjunction with the Accuramatic Peristaltic Dispenser (below), and enables bottles and vials to be filled automatically in trays. The Z axis is the diving nozzle movement that allows liquid to be automatically filled from above the neck or into the neck.



Key Features:

- Control box remote from moving nozzle frame suitable for use in laminar flow cabinet
- Adjustable trays are supplied so that bottles are held in an orderly fashion
- Setting up is easy using the menu-driven LCD displays
- Special trays can be made to suit odd shaped bottles
- Fills straight rows or honeycombed configurations

Item code	Specification
3525000	XYZ DISTRIBUTOR
Electricity (selectable)	240 V AC, 50/60 Hz, 500 W (120 V optional)
Movement space (mm)	X = 520, Y= 335, Z= 155
Electronics	Mircoprocessor
Weight (kg)	Control: 4.5. XYZ: 9.0
Dimensions distribution (mm)	790 × 625 × 390
Control dimensions (mm)	200 × 280 × 180
Drip delay	0.0–0.9 secs
Max vial height (mm)	200
Min neck opening (mm)	8
Tray fill area (mm)	410 × 265

Accuramatic Peristaltic Dispensing Unit

This unit can be operated by hand, foot switch, or will cycle automatically with a delay of up to 10 seconds between fills. The pump runs at a constant speed for a precisely determined period of up to 100 seconds, can run forwards or backwards, and has a choice of three filling modes: Braked stop – Soft stop – Stop with suck back.

Like all peristaltic pumps the liquid only comes into

contact with the inside of one uninterrupted length of silicone tubing, which will withstand repeated sterilisation. Bacteriological inline filtration can be performed at the outlet side of the pump. This Peristaltic Dispenser can be combined with our XYZ Distributor to offer quick, easy and hygienic filling of whole trays of vials or bottles automatically, or with our filling jig for filling small numbers of ampoules.



The Peristaltic Dispenser can be supplied with a range of sizes of high strength silicone tubing from 0.8mm bore to 8mm bore, with either a 1.6mm or 2mm wall thickness. Please ask for further details on the size to best suit your requirements.

Item code	Specification
3510000	PERISTALTIC DISPENSER
Volumes (ml)	1 to 1,000
Repeatability	± 0.5%
Max flow rate (ml)	36 ml/sec (standard pump. Twin pump option available)
Electricity	240V AC, 50 Hz, 50 W (120V optional)
Weight (kg)	Nett 8.5, Gross 10.5
Carton size (cm)	44 × 23 × 43

Powered Vial Crimper

An air operated Power Crimper with stand and foot pedal and interchangeable screw-in heads.

The unit gives fast and reliable crimping or decapping and reduces operator fatigue. The stand is made from stainless steel and the crimping unit - which may be used separately - is of corrosion resistant nickel electro plate.

Item code	Specification
6030500	POWERED VIAL CRIMPER
Length (mm)	370
Width (mm)	230
Height (mm)	420
Weight (kg)	Operational: 9.85, Shipping: 10.40
Air	at 4 bar
6030501S	BENCH STAND
6030502	FOOT PEDAL



Item code	Specification
6030503	13mm crimping head for plain seals
6030504	13mm crimping head for flip-off seals
6030505	20mm crimping head for plain seals
6030506	20mm crimping head for flip-off seals
6030507	13mm decapping head for plain seals
6030508	13mm decapping head for flip-off seals
6030509	20mm decapping head for plain seals
6030510	20mm decapping head for flip-off seals
6030514	20mm crimping head for flip tear-up seals

Note: other head sizes are available. Please ask for further details.



Manual Vial Crimper

This benchtop Vial Crimper provides a manual alternative to hand crimping and decapping operations. Unit height and position are adjustable to accommodate a variety of vial sizes allowing the operator to work in a comfortable position. The unit is manufactured from stainless steel. Heads are quickly and easily changed without the use of tools since they simply screw in and out.

All crimping and decapping heads are interchangeable with the Powered Vial Crimper.

Item code	Specification
6030555-1	MANUAL VIAL CRIMPER WITH STAND
Length (mm)	305
Width (mm)	254
Height (mm)	457
Operational weight (kg)	9.5

Crimping and Decapping Tongs



Hand crimping tongs (A)

Fitted with hardened steel jaws for long life and reproducibility of seal crimp quality. There is an adjustable stop to ensure that equal pressure is supplied to each crimp.

Item code	Size*
6030613	13 mm plain seals
6030614	13 mm flip-off seals
6030620	20 mm plain seals
6030621	20 mm flip-off seals
6030622	20mm flip tear-up seals



Hand decapping tongs (B)

With hardened steel jaws for the easy removal of crimp top seals, by squeezing the handles together.

Item code	Size*
6030722	13 mm seals
6030721	20 mm seals

Hand decapping pliers (C)

For removing seals from vials with a press and wrench action. The handles are plastic coated.

Item code	Size*
6030713	13 mm seals
6030720	20mm seals

* Other sizes available.
Please enquire.

Apollo I Liquid Inspection Unit



Designed for use in pharmaceutical and laboratory environments, the Apollo I Liquid Viewer has a polarised inspection light for the detection of particulate matter in transparent liquids contained in ampoules, vials and bottles. Particulate contamination can be unintentionally present in injections and intravenous infusions, and this unit provides a simple method of detection.

Item code	Specification
6031301	APOLLO I LIQUID VIEWER
Length (mm)	320
Width (mm)	295
Height (mm)	420 (max)
Weight (kg)	Nett: 4.9 Gross: 7.2
Carton size (cm):	50 x 41 x 27
Electricity:	110/240V AC 50/60HZ



Apollo II Liquid Inspection Unit

Designed for use in pharmaceutical and laboratory environments, the Apollo II Liquid Viewer provides a simple method for the detection of visible particles in ampoules, vials and bottles.

The unit is operated by simply swirling each individual container in front of both panels, and observing for any particulate contamination (other than air bubbles) unintentionally present in the solution.

This unit conforms to the European Pharmacopoeia Specification 2.9.20 and to the US Pharmacopoeia – USP chapter 41, section 6.1.



Item code	Specification
6031511	APOLLO II LIQUID VIEWER
Length (mm)	714
Width (mm)	420
Height (mm)	450
Weight (kg)	Nett: 10 Gross: 7.9
Carton size (cm):	76 x 52.5 x 26.5
Electricity:	100/240V AC 50/60HZ

We also offer an Apollo II High Intensity specification, ideal for coloured glass vials and ampoules, which uses three LED bulbs, giving a light level of 8,000 – 10,000 lux.



Apollo II Dimmable Liquid Inspection Unit

The Apollo II - Dimmable specification - offers all the benefits of the Apollo II, as well as additionally enabling light level adjustment by dimmer control. It also allows adjustable position of the light box in the range of 1,200 Lux up to 3,500 lux, depending on the light in the room.

Apollo II High Intensity Liquid Inspection Unit (for coloured glass)

The Apollo II - High Intensity specification - is ideal for coloured glass containers. It uses three LED bulbs, giving a light level of 8,000 – 10,000 lux.

This unit also conforms to the European Pharmacopoeia Specification 2.9.20 and to the US Pharmacopoeia – USP chapter 41, section 6.1.



Supporting IQ/OQ documentation can be supplied upon request.