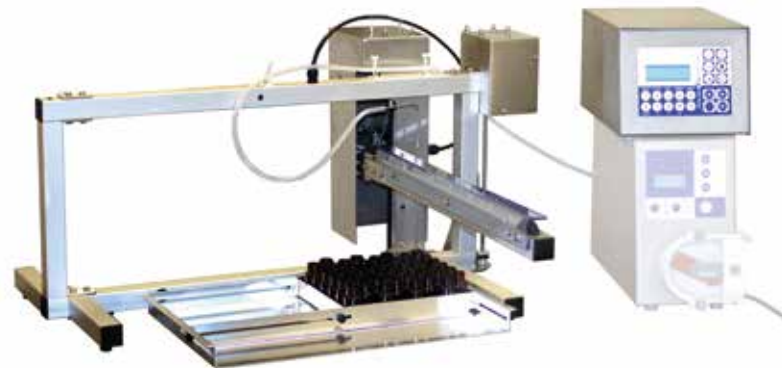Adelphi offers a range of equipment designed to facilitate the efficient filling, closing and inspecting of vials in a laboratory or R&D environment.

XYZ Distributor

The XYZ Distributor is designed to be used in conjunction with the Peristaltic Dispenser, 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.

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

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

Peristaltic dispenser

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	240 V AC, 50 Hz, 50 W (120 V 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	13 mm crimping head for plain seals
6030504	13 mm crimping head for flip-off seals
6030505	20 mm crimping head for plain seals
6030506	20 mm crimping head for flip-off seals
6030507	13 mm decapping head for plain seals
6030508	13 mm decapping head for flip-off seals
6030509	20 mm decapping head for plain seals
6030510	20 mm 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	20 mm 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	20 mm seals

* Other sizes available. Please enquire.

Apollo I liquid viewer

This polarised inspection light provides a simple method for the detection of visible particles in ampoules, vials and bottles. Particulate contamination of injections and intravenous infusions consists of extraneous, mobile, undissolved particles other than gas bubbles unintentionally present in the solutions.

Item code	Specification
6031100	**APOLLO I LIQUID VIEWER**
Length (mm)	450
Width (mm)	310
Height (mm)	340
Weight (kg)	Nett: 4.95; Gross: 6.25
Carton size (cm)	50 × 41 × 27
Electricity	240 V AC, 50/60 Hz, 100 W (120 V optional)
6031101	**MAGNIFIER**

Apollo II liquid viewer

This polarised inspection light provides a simple method for the detection of visible particles in ampoules, vials and bottles. Particulate contamination of injections and intravenous infusions consists of extraneous, mobile, undissolved particles other than gas bubbles unintentionally present in the solutions.

Conforms to European Pharmacopoeia Specification 2.9.20.

Item code	Specification
6031200	**APOLLO II LIQUID VIEWER**
Length (mm)	430
Width (mm)	590
Height (mm)	500
Weight (kg)	9.5 Nett; 11.5 Gross
Carton size (cm)	80 × 60 × 30
Electricity	240 V AC, 50/60 Hz, 50 W (120 V optional)

Vial processing – production

If your requirements stretch beyond the abilities of manual or semi-automatic equipment, Adelphi is able to supply fully automatic vial processing machinery. As the sole UK representative of ROTA since 1976, Adelphi can offer expert advice, and reliable servicing and spares support.

Please see our '**Ampoule and vial Processing – Production**' data sheet, or our website for further information.