



ADELPHI MANUFACTURING

Product Guide - Capping & Closing

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BOTTLE CAPPING

Manual Cap Press

The Adelphi Cap Press is a bench top, hand operated, spring loaded machine designed to enable the easy fixing of press-on lids and caps to glass or plastic bottles. It has adjustable height and depth to accommodate a wide range of container heights and cap diameters.

This is a high quality bottle cap press, buy right and buy once.

| Item code | Specification |
|-------------------------|------------------------------------|
| SP013-01 | CAP PRESS |
| Output (per hour) | Up to 1,000 |
| Bottle size (mm) | Up to 100 diameter, up to 240 high |
| Overall dimensions (mm) | 250 x 250 x 450 |
| Operational weight (kg) | 10 |



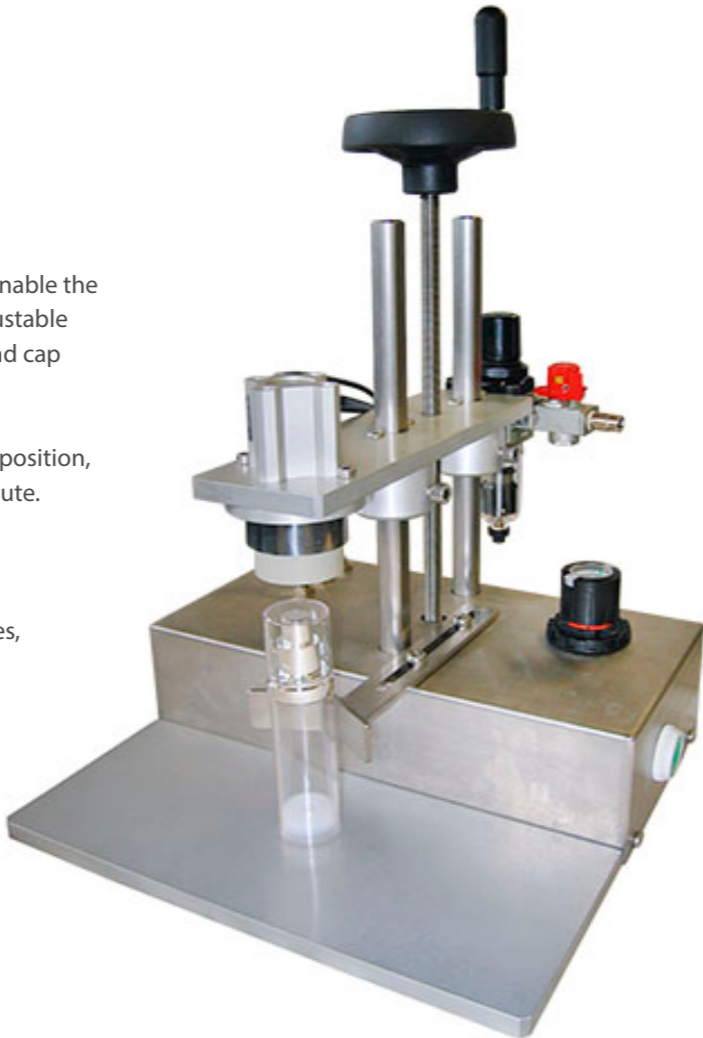
Pneumatic Cap Press

The Adelphi Pneumatic Cap Press is a bench top machine, designed to enable the easy fixing of press-on lids and caps to glass or plastic bottles. It has adjustable height and depth to accommodate a wide range of container heights and cap diameters.

Incorporating an adjustable bottle locator and adjustable stop for press position, this Cap Press offers an approximate output of 6 – 10 containers per minute.

Constructed from anodised aluminium and stainless steel.

Bespoke press pads to suit shaped caps can be made to suit your samples, for an additional charge.



BOTTLE CAPPING

Pneumatic Capping Machine

The Adelphi pneumatic bottle capping machine is a bench top unit suitable for closing twist-off caps easily and with great accuracy. It is robust yet portable, very easy to operate, and low maintenance.

The machine is adapted to a wide range of cap sizes by changing only the cap chuck. Strong and reliable, this capper allows the operator to close around 400-500 bottles per hour. The closure torque is manually adjustable through mechanical friction.

| Item code | Specification |
|-------------------------|---------------------------|
| 8201000 | PNEUMATIC CAPPING MACHINE |
| Max bottle height (mm) | 320 |
| Torque range (NM) | 0.3 - 4 |
| Overall dimensions (mm) | 350 x 350 x 700 |
| Weight (kg) | 15 |



ROPP Capper

The Adelphi ROPP bottle capping machine is a bench top unit suitable for applying aluminium ROPP caps.

The unit is fully adjustable in height using a hand wheel, and includes an electrical control panel with emergency stop and isolator, 4 roller capping head, bottle locator, and safety guard and safety start buttons.

| Item code | Specification |
|--------------------------------|----------------------|
| 8203000 | ROPP CAPPING MACHINE |
| Min/Max cap diameter (mm) | 15/50 |
| Max head loading pressure (kg) | 60 |
| Overall dimensions (mm) | 500 x 500 x 1000 |
| Weight (kg) | 40 |





VIAL CRIMPING

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 |



VIAL CRIMPING

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.

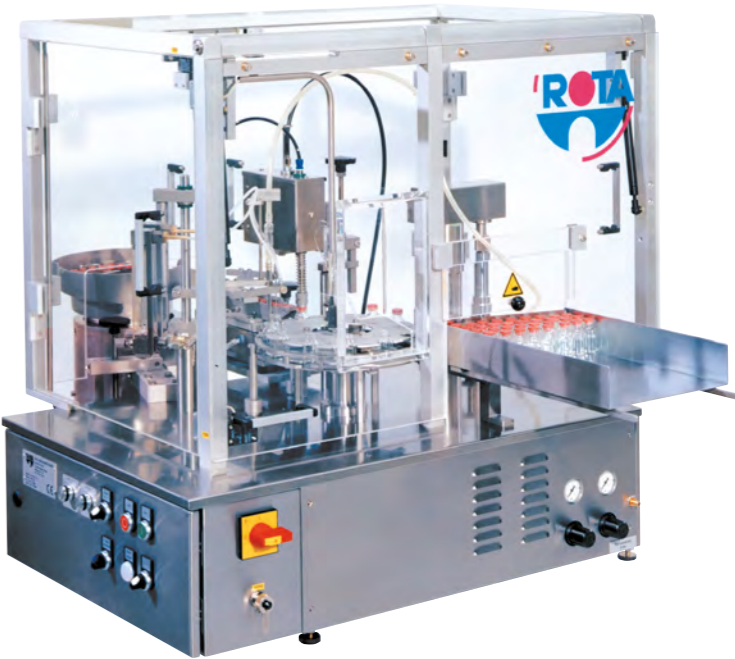
| Item code | Size* |
|-----------|-------------|
| 6030713 | 13 mm seals |
| 6030720 | 20mm seals |

* Other sizes available. Please enquire.

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 website for further information.





AMPOULE SEALING

OC Ampoule Processing Machine

This machine has been designed in response to demand from small-scale producers and R&D laboratories where closed ampoules are used to obviate the need for internal washing.

When closing an ampoule, the gripper jaws are placed onto its neck and the flame applied. As the glass becomes plastic, the counterweight pulling on the jaws draws off the ampoule neck and a perfect rounded finish is achieved with very little practice. The drawn off tip is dropped into a detachable box at the side of the machine to cool before disposal.

The sealing process is quick and produces closed ampoules of regular height, and quality matching that from an automatic machine. Although specially designed to open and close closed type ampoules, this versatile machine will also handle open type ampoules after washing.

| Item code | Specification |
|-------------------|--------------------------------------|
| 6035000 | OC AMPOULE PROCESSING MACHINE |
| Ampoule Size (ml) | 1-50 open or closed |
| Output | Approximately 600 per hour |
| Length (mm) | 380 |
| Width (mm) | 400 |
| Height (mm) | 660 |
| Weight (kg) | Operational: 22, Shipping: 46 |
| Crate size (cm) | 49 x 44 x 85 |
| Electricity | 240V AC, 50 Hz, 200W (120V optional) |
| Gas | Natural gas or propane at 0.5 bar |
| Oxygen | Standard commerical supply at 1 bar |



Twin-Jet Ampoule Sealer

This hand operated unit is designed for use with natural or bottled gas and air. A mixer valve enables the user to adjust the flame for optimum heat. A small air pump is available for situations where compressed air is not available. A pressure regulator/gauge is recommended to keep the flow constant with a compressed air supply.

The ampoule is placed and held on the adjustable platform and turned while manually drawing off the ampoule top with tweezers.

| Item code | Specification |
|-------------------|---|
| 6002100 | TWIN-JET AMPOULE SEALER |
| Ampoule Size (ml) | 1-50 open type |
| Output | up to 10 per minute |
| Length (mm) | 125 |
| Width (mm) | 210 |
| Height (mm) | 280 |
| Weight (kg) | Nett: 1.86 (excl. air compressor), Gross: 2.4 |
| Electricity | 240V AC, 50 Hz, (120V optional) to power air compressor (if required) |
| Gas | Natural gas supply or bottled butane or propane gas at 0.5 bar |
| Air | Compressed air at 1 bar (optional compressor supplied) |
| Carton size (cm) | 35 x 31 x 17 |
| 6002110 | PRESSURE REGULATOR/GAUGE |
| 6002119 | AIR PUMP |




TUBE SEALING

Vesta 1C – Tube Sealer

Compact and robust in a stainless steel case with clear, simple controls, the Vesta 1C offers a low maintenance tube closing solution, ideal for small batch production. The unit has been designed for laboratory sealing and small production runs of plastic or laminate tubes, which are sealed, trimmed and coded.

| Item code | Specification |
|-------------------------|--|
| 3140001 | VESTA 1C UNIT |
| Tube seal range | 10–50 mm diameter |
| Output (per minute) | Up to 4 |
| Electricity | 240V AC, 50/60 Hz, 500W (120V optional) |
| Air supply (per minute) | 20 litres at 6 Bar |
| Overall size | 400 x 345 x 700 mm |
| Weight | 31 kg |
| 31406 | PAIR OF BESPOKE TUBE CUPS FOR EACH TUBE SIZE |
| 3140601 | SET OF NUMERALS 0–9 (L-SHAPED) |
| 3140601-A-Z | LETTERS AND NUMBERS (L-SHAPED) |



Centrac FCC – Tube Closer

Designed to close collapsible metal tubes, the Centrac FCC is operated by a handle, which requires two turns to close, fold and crimp the tube giving a double fold. An adjustable rest is provided to locate tubes in the correct position, a gauge plate regulates the depth of fold required, and a wing nut adjusts the depth of crimp.

All working parts are fully guarded. The angle of operation is infinitely variable through 90°. Coding jaws are supplied as standard to hold up to 4 figures and/or letters for batch marking.

| Item code | Specification |
|--------------------------------------|------------------------------|
| 3101000 | CENTRAC FCC TUBE CLOSER |
| Output (per minute) | Up to 10 |
| Tube diameters | From 12 mm to 40 mm |
| Depth of base in vertical position | 203 mm |
| Depth of base in horizontal position | 267 mm |
| Width of base | 191 mm |
| Width of handle | 330 mm |
| Height in vertical position | 308 mm |
| Height in horizontal position | 267 mm |
| Weight | 11.6 kg |
| 3110000 | NUMERALS 0–9 FOR CODING JAWS |
| 3111001-26 | LETTERS A–Z FOR CODING JAWS |





TUBE SEALING

Tube-Folding Pliers

These tube-folding pliers provide a simple method of reliably closing individual metal tubes. They are hand held with plastic handles for comfort and safety.

| Item code | Specification |
|------------------------------------|---------------------|
| 4001100 | TUBE CLOSING PLIERS |
| Output (per minute) | Up to 10 |
| Tube diameters | From 12 mm to 40 mm |
| Depth of base in vertical position | 203 mm |
| Weight | 300 gm |



Tube Processing – Production

If your requirements stretch beyond the abilities of manual or semi-automatic equipment, Adelphi is able to supply fully automatic tube processing machinery. As the sole UK representative of TGM since 1995, Adelphi can offer expert technical sales advice, and reliable servicing and spares support.

Please see our website for further information.

