

ProFiller 3700 & 3800



ProFiller 3700



ProFiller 3800



ProFiller 3700 is the new standard in 300-hole bench-top capsule filling systems. Available with a European style semi-automatic Orienter as ProFiller 3800. Experienced users like the higher output, fast size changes, easy to clean design & optional accessories. First time users love the ease-of-use & upgrade options.

Easier To Use

- ❖ Easier to use than other 200 or 300 hole systems.
- ❖ Indicator gauges to assist in capsule orientation, separation and locking.
- ❖ Shipped fully assembled. Ready for use in less than 1 hour.

Higher Output

- ❖ Unique features include lightweight, 2-piece Orienter (3700), Orienter locator and oversize Powder Tray & Push Plate.
- ❖ Tamper size range optimized for higher fill weights and faster filling.
- ❖ Adjustable capsule body height to make over-filling easier & faster.
- ❖ Fully locks capsules after filling.

Pharmacopoeia Compliant

- ❖ Fill weights, USP/EP method within $\pm 1-3\%$ of average. Typically all 300 capsules/batch are within $\pm 4-7\%$ of target.
- ❖ Validation package available for cGMP compliance.
- ❖ Works with all capsules including gelatin, vegetarian/ HPMC and starch capsules.

Grows With You

- ❖ Add a Vibrator at any time.
- ❖ Change Parts for 3700 in Size 000-5, 00el-2el & AAA-E; for 3800 in Size 00-4.
- ❖ Order Filler without a Tamper for vibration only operation or in a lower height configuration for use under smaller powder hoods.

GMP & Faster Clean-Out

- ❖ Dishwasher safe Inox (SS316) powder contact parts.
- ❖ Designed for fast disassembly & visual verification of cleaning.
- ❖ Filler base in lightweight, corrosion resistant anodized aluminum or upgrade to optional Inox (SS316).
- ❖ Filler's gear, cam and optional Vibrator are fully covered.

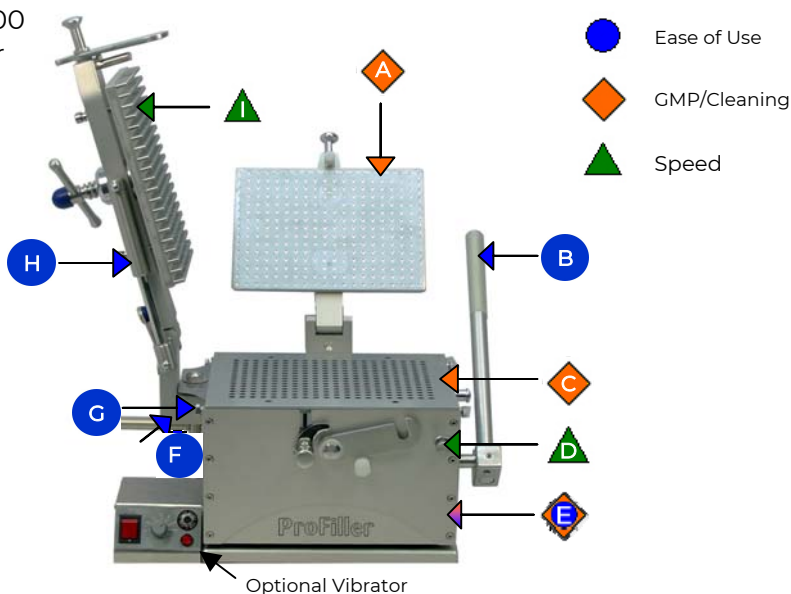
Exclusive Accessories

- ❖ Partial Batch Kit for filling fewer than 300 capsules per batch.
- ❖ Capsule Counter.
- ❖ Production Stand.
- ❖ Over-Encapsulation attachments for tablets, capsules & caplets.
- ❖ Caps Tray in Inox (SS316) or optional lightweight anodized aluminum.

The easiest 3-hole filler to use! Up to 7,200 or 9,000 capsules per hour*

*based on powder, operator speed & technique, excipients and weight variation limits. Output is similar for ProFiller 3700 and 3800.

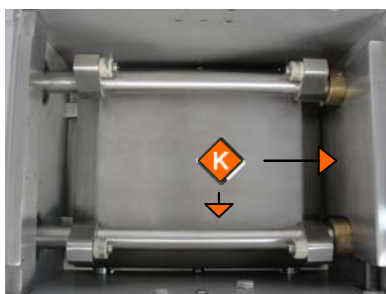
ProFiller 3700 & 3800 Filler



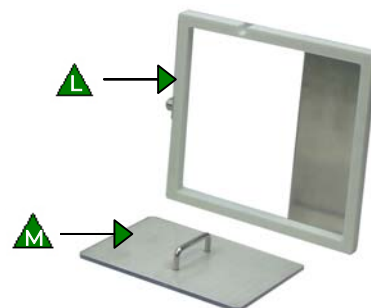
| | |
|----------|---|
| A | SS316 (Inox) Locking Plate. No rubber pad to wear out or clean |
| B | Rear locking handle for fast, easy movement across front of machine. New internal gear design for easier locking |
| C | Dishwasher safe Inox (SS316) powder contact parts including Bottom Plate (not visible) |
| D | Adjustable capsule body height for easier & faster over-filling of capsules |
| E | Base Frame in light-weight anodized aluminum or upgrade to Inox (SS316) |
| F | Cam position indicator, great for training new operators |
| G | Over-size thumb screws for easy size change over |
| H | Dual springs make Tamper easier to lower & raise |
| I | Tamper pin size range optimized for faster filling & higher fill weights. Size ranges: 000 / 00 / 0-1 / 2-3 / 4 / 5 |



- J** Body Sheets fully separate for easy cleaning & visual verification of cleaning

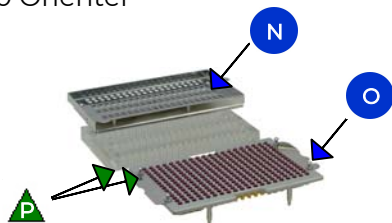


- K** Cover for gear mechanism & Vibrator to minimize powder entry (inside view)

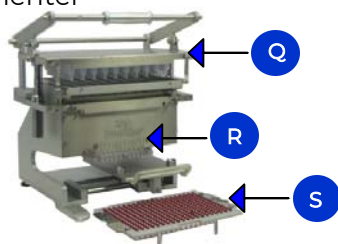


- L** Powder Tray is double-depth for faster Spreading
- M** Multi-use Push Plate speeds up operations

3700 Orienter



3800 Orienter



| | | | |
|----------|---|----------|---|
| N | 2-piece Hand-Held Orienter. Shake only the lightweight Orienter Tray | Q | Orienter Base common for Size 00-4. Traditional European style Orienter for operators who prefer it |
| O | Locking indicator confirms capsules are fully locked | R | Guide lines to locate Caps Tray for partial batches |
| P | Locating holes in Orienter and tapered locating pins for fast & accurate orientation of capsules into Caps Tray | S | Locking indicator confirms capsules are fully locked |

Adjustment-free size changeovers

ProFiller 3700 Bench-Top Filler & Hand-Held Orienter



| ProFiller 3700 | |
|---|-------------|
| Capsule Size | Item Number |
| 00 | P7T BHS 00 |
| 0 | P7T BHS 0 |
| 1 | P7T BHS 1 |
| 2 | P7T BHS 2 |
| 3 | P7T BHS 3 |
| 4 | P7T BHS 4 |
| 5 | P7T BHS 5 |
| 000* | P7T BHS 000 |
| For 00el*, 0el - 2el, AAA-E sizes contact us. | |

*Standard 180 hole Filler (192 holes special order).

ProFiller 3700 System includes everything you need to fill one capsule size. The standard configuration is shown above with the optional vibrator. The standard Bench-Top filler has a Tamper and a lightweight anodized aluminum Base Frame. For alternate configurations including an Inox (SS316) Base Frame see the FAQ page.

Included at no extra charge: a Video CD, illustrated manual, plastic storage box for easy storage of loose items when the machine is not in use, empty and locked Capsule Bins, and a set of empty capsule Measuring Bowls.



ProFiller Bench-top Vibrator

Optional Vibrator recommended for faster filling of powders that bridge or are granular, fluid or flour-like. It also reduces weight variation of fine powders. Fully enclosed in Inox (SS316). Filler sits over Vibrator. Also available with Inox (SS316) Base Plate.



| Item # | Voltage/ Frequency |
|-------------|--------------------|
| P78 VIB 110 | 110-120V/50Hz |
| P78 VIB 230 | 220-240/50 Hz |

ProFiller 3700 Change Parts

| Change Parts | | Tamper |
|----------------------------|------------|---------------|
| Capsule Size | Item # | Item # |
| 00* | P7T CPS 00 | P78 T300P 00 |
| 0* | P7T CPS 0 | P78 T300P 0-1 |
| 1* | P7T CPS 1 | P78 T300P 0-1 |
| 2* | P7T CPS 2 | P78 T300P 2-3 |
| 3* | P7T CPS 3 | P78 T300P 2-3 |
| 4** | P7T CPS 4 | P78 T300P 4 |
| 000, 5, 00el - 2el & AAA-E | | |

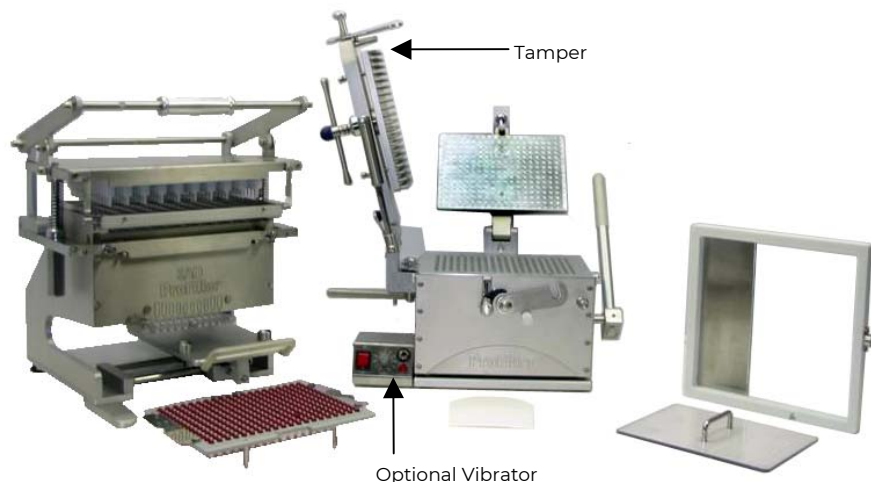
| Change Parts (P7T CPS) | Tamper (P78 T300P) | Conversion Kit (P7T CK) |
|---------------------------|--|--------------------------------|
| All Sizes | Main Size Ranges 00, 0-1, 2-3, 4, 5 | Main Size Ranges 00-3 & 4-5 |

* If you have a 3700 system in Size 4 only, also order Conversion Kit P7T CK 00-3.

** You also need to order Conversion Kit P7T CK 4-5, unless you can already fill Size 5 on your system.

All Change Parts include a plastic storage box that can also hold a Tamper.
Other sizes available upon request.

ProFiller 3800 Bench-Top Filler & European Style Orienter



| ProFiller 3800 | |
|--|-------------|
| Capsule Size | Item Number |
| 00 | P8S BSA 00 |
| 0 | P8S BSA 0 |
| 1 | P8S BSA 1 |
| 2 | P8S BSA 2 |
| 3 | P8S BSA 3 |
| 4 | P8S BSA 4 |
| Sizes 000, 5, 00el - 2el, AAA-E available in ProFiller 3700. | |

ProFiller 3800 System includes everything you need to fill one capsule size. The standard configuration is shown above with the optional Vibrator. The standard Bench-Top filler has a Tamper and a lightweight anodized aluminum Base Frame. For alternate configurations including an Inox (SS316) Base Frame see the FAQ page.

Included at no extra charge: a Video CD, illustrated manual, plastic storage box for easy storage of loose items when the machine is not in use, empty and locked Capsule Bins, and a set of empty capsule Measuring Bowls.



ProFiller Bench-top Vibrator

Optional Vibrator recommended for faster filling of powders that bridge or are granular, fluid or flour-like. It also reduces weight variation of fine powders. Fully enclosed in Inox (SS316). Filler sits over vibrator. Also available with Inox (SS316) Base Plate



| Item # | Voltage/ Frequency |
|-------------|--------------------|
| P78 VIB 110 | 110-120V/50Hz |
| P78 VIB 230 | 220-240/50 Hz |

ProFiller 3800 Change Parts

| Change Parts | | Tamper |
|----------------------------|------------|---------------|
| Capsule Size | Item # | Item # |
| 00* | P8S CPS 00 | P78 T300P 00 |
| 0* | P8S CPS 0 | P78 T300P 0-1 |
| 1* | P8S CPS 1 | P78 T300P 0-1 |
| 2* | P8S CPS 2 | P78 T300P 2-3 |
| 3* | P8S CPS 3 | P78 T300P 2-3 |
| 4** | P8S CPS 4 | P78 T300P 4 |
| 000, 5, 00el - 2el & AAA-E | | |

| Change Parts (P8S CPS) | Tamper (P78 T300P) | Bottom Plate (P78 BBP) |
|-------------------------------------|---------------------------------|---------------------------|
| Size Specific 00, 0, 1, 2, 3 & 4 | Size Ranges 00, 0-1, 2-3 & 4 | Size Ranges 00-3 & 4-5 |

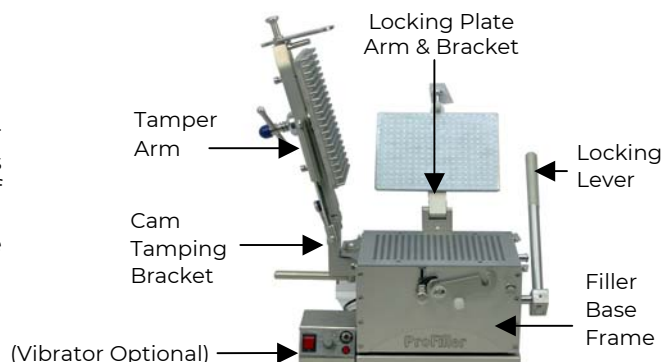
* If you have a 3800 system in Size 4 only, also order Bottom Plate P78 BBP 00-3.

** You also need to order Bottom Plate P78 BBP 4-5, unless you can already fill Size 5 on your system using a hand-held orienter.

All Change Parts include a plastic storage box.

Filler Base Inox Stainless Steel 316 Upgrade

For high GMP requirements the ProFiller 3700 and 3800 can be ordered in a Stainless Steel 316 (Inox) version. All Materials of Construction are the same as the standard ProFiller except for those shown here which are in Inox (SS316).



ProFiller 3700 Inox (SS316)



ProFiller 3800 Inox (SS316)

| Capsule Size | Item Number |
|--|---------------|
| 00 | P7T BHS 00 SS |
| 0 | P7T BHS 0 SS |
| 1 | P7T BHS 1 SS |
| 2 | P7T BHS 2 SS |
| 3 | P7T BHS 3 SS |
| 4 | P7T BHS 4 SS |
| 5 | P7T BHS 5 SS |
| 000* | P7T BHS 6 SS |
| 00el-2el, AAA-E sizes: please contact us | |

| Capsule Size | Item Number |
|--|---------------|
| 00 | P8S BSA 00 SS |
| 0 | P8S BSA 0 SS |
| 1 | P8S BSA 1 SS |
| 2 | P8S BSA 2 SS |
| 3 | P8S BSA 3 SS |
| 4 | P8S BSA 4 SS |
| 000, 5, 00el*, 0el - 2el, AAA-E only available for 3700. | |

*Sizes 000 and 00el in 180-holes (192 holes special order)

Stainless Steel Vibrator

Heavy duty Vibrator for use ProFiller 3700/3800 in Inox (SS316). Includes full Inox (SS316) base.









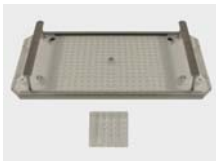


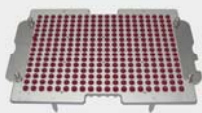


| Item # | Voltage/ Frequency |
|----------------|--------------------|
| P78 VIB 110 SS | 110-120V/50Hz |
| P78 VIB 230 SS | 220-240/50 Hz |

Change Parts

Change Parts are all Inox (SS316) and are common for the Standard and the Inox (SS316) Filler Bases. To order Change Parts for ProFiller 3700 or 3800 Inox (SS316) see page 3 or 4.

Optional Accessories (ProFiller 3700 / 3800)

| Item Description | | Voltage/Frequency | Capsule Size* | Item # |
|---|--|--|--|--|
| Powder Vibrator * Recommended for faster filling of powders that bridge or are granular, fluid or flour-like. Also reduces weight variation of fine powders. Fully enclosed in Inox (SS316). Filler sits over Vibrator. Powder Tray with Clamps included (PX PTC). |  | <u>For Standard ProFiller</u> 110-120 Volts/60Hz 220-240 Volts/50Hz <u>For Inox (SS316) ProFiller</u> 110-120 Volts/60Hz 220-240 Volts/50Hz | All Sizes All Sizes All Sizes All Sizes | P78 VIB 110 P78 VIB 220 P78 VIB 110 SS P78 VIB 220 SS |
| Powder Tray with Clamps For pharmacy compounding and very fine powders. Four built-in clamps secure Powder Tray to Filler, reducing powder loss under Powder Tray. Useful when working with controlled substances (narcotics). |  | | All Sizes | PX PTC |
| Production Stand Reduce the space required to operate the ProFiller. The stand organizes and provides easy access to all the loose parts. Stand only. (Parts shown for illustration) |  | | All Sizes | PX STAND |
| Lifting Handle Extension Attaches to Lifting Handle to make capsule separation and locking under a powder hood easier. |  | | All Sizes | P78 LHE |
| Over Fill (OF) Change Parts Standard system allows capsule bodies to be lowered 2 mm. OF Change Parts allow for an additional 2mm of space for twice the overfill capacity. |  | | 000-1 | TBD† |
| Capsule Counters Divide your batch of capsules into 3 groups of 100 capsules, 5 groups of 60 or 10 groups of 30. Anodized Aluminum |  3x100 |  5x60 |  10x30 | All Sizes PX CTR 3X100 PX CTR 5X60 PX CTR 10X30 |
| Optional Accessories (ProFiller 3700 ONLY) | | | | |
| Capsule Locking Plate & Capsule Locker For fully locking capsules with coarse or sticky powders e.g. salt, dolomite, frankincense, charcoal. Capsule Locking Plate is common for sizes 00-4. Both Locker & Locking Plate are required. Capsule Locker is size specific and locks 25 capsules at a time. |  | | 00-4 00-4 | PX CLP 00-4 PX CL † |
| Partial Batch Kit Fill fewer than 300 capsules per batch. Includes 1 each of Orienter Divider, Powder Tray Divider & Mini Powder Spreader. Order 30-pin Tamper separately. |  | | All Sizes | P67 PBK |
| 30-pin Tamper For use with ProFiller 3700 Partial Batch Kit. Tamper in Sizes 00, 0-1, 2-3, 4. |  | | 00-4 | P67 T30P † |
| Caps Tray For 3700 Purchase an additional Caps Tray **Light-weight Anodized Aluminum Caps Tray is not Dishwasher Safe. |  | Anodized Aluminum** Inox (316 SS) | All Sizes All Sizes | P67 CT AL † P67 CT SS † |

† Specify Capsule Size when ordering, some accessories are not available for special sizes (000, 5, 00el-2el & AAA-E).

* ProFiller 3700 & 3800 can be ordered without the Tamper Assembly for use only on the Vibrator. See page 8.

Optional Accessories (ProFiller 3800 ONLY)

| Item Description | | | Capsule Size | Item # |
|---|---|--------------------|--------------|------------------------|
| Caps Tray For 3800 |  | Anodized Aluminum* | 00-4 | P8S CT AL [†] |
| Purchase an additional Caps Tray | | Inox (316 SS) | 00-4 | P8S CT SS [†] |
| *Light-weight Anodized Aluminum Caps Tray is not Dishwasher Safe. | | | | |

Over-Encapsulation Accessories (ProFiller 3700 / 3800)

| Item Description | | | Capsule Size | Item # |
|---|---|--|--------------------|----------------------------|
| Tablet Fill Attachment |  | | Standard | PX TFA STD |
| Over-encapsulate round tablets 6.0-7.3 mm diameter and 2.0-3.5 mm height. For round tablets outside this size range, order a custom TFA (delivery 4-8 weeks). | | | Custom | Tablet Dimensions required |
| Orienter for Capsule-in-Capsule |  | | 00-4 | P67 NEC OCPOB [†] |
| This allows you to put capsules inside capsules using your existing ProFiller System. Order OE Locator Tray separately. | | | 0el – 2el | P67 NEC OCPOB [†] |
| Caplet Attachment |  | | 00-4, 0el – 2el | Caplet Dimensions Required |
| For caplets or non-round tablets. Engineering drawing of tablet required. Delivery 4-8 weeks. Order OE Locator Tray separately. | | | | |
| OE Guide Tray |  | | All Sizes | PX OEG |
| Required for use with Orienter for Capsule in Capsule or Caplet Attachment. | | | | |

[†] Specify capsule size

3700/3800 Filler Base Options

| | | | |
|---|---|--|--|
|  |  |  |  |
| High GMP Model ^a | No Tamper ^b | Configurations For Low Height Powder Hoods | |
| Base Frame in Inox (SS316) See p. 5 | Filler without Tamper. Sold only with Vibrator ^c . | Filler with loose Locking Plate & special Handle. Tamper is on rear of Filler. | Filler with loose Locking Plate, special Handle & no Tamper. Sold only with Vibrator ^c . |
| Item Code Suffix | See page 5 | add NT | add LHWT |
| | | add LHWT | add LHNT |

^a High GMP model is also available in any of the configurations shown above.

^b Tamper arm & Tamper (in any one size) can be ordered later.

^c Order Vibrator separately.

Frequently Asked Questions

1. What is the output?

ProFiller 3700 and 3800 fill up to 7200 – 9000 capsules per hour for most powders. Our engineers have included features, some patented, that make the ProFillers faster and easier to use. The lower output is for fine powders. The higher output is for coarse free flowing powders. Your results will vary based on powder flow properties, operator speed & technique and use of excipients.

2. What types of capsules can I fill?

ProFillers have been tested with different brands and types of capsules including gelatin, vegetarian/HPMC and starch capsules.

3. What size capsules can I fill?

The 3700 fills sizes 000-5, 00el-2el, and AAA-E. The 3800 fills sizes 00-4. To order Change Parts for the 3700 see page 3 & for 3800 see page 4.

4. Do you have more information on Fill Weight Variation & Achieving Higher Fill Weights?

Fill weights, USP/EP method, within $\pm 1-3\%$ of average. When weighed individually (a stricter standard than USP/EP) typically all 300 capsules/batch are within $\pm 4-7\%$ of target.

5. Why Might I Need a Conversion Kit?

The Filler's Bottom Plate (3700/3800) and the Hand-held Orienter Base (3700) come in different capsule size ranges: 000, 00/0/1/2/3 and 4/5. For capsule sizes outside the size range of your system, you need a Conversion Kit along with Change Parts.

6. Can I over-encapsulate or double-blind tablets, capsules and caplets?

Yes, you can. See page 8 and then contact us for more information.

7. Can I fill liquids or sticky powders?

Yes, you can fill capsules with sticky powders or non-aqueous liquids. Capsules filled with liquids for stability or clinical trials, if not sealed, will need to be kept vertical to minimize leakage between the cap and body. Capsules filled with non-aqueous liquids for commercial sale require sealing using equipment purchased separately. When filling sticky powders, use of a Vibrator can improve performance by eliminating Tamper pin contact with powder.

8. Can the ProFiller be cleaned in an automatic dishwasher or autoclaved?

All powder contact parts are dishwasher safe to 70 °C (160 °F).

9. What are the installation and utility requirements?

See page 6 for the recommended table size and height and information on operating under a powder hood. No utilities (electricity, compressed air or water) are required unless you order the optional Vibrator. The Vibrator operates on 110-120 Volts / 60 Hz or 220-240 Volts / 50 Hz. If you have different electrical requirements specify them in your order.

Equipment for Sizes 000 - 5



Handheld 100-hole Capsule Filler with Orienter

Up to 2000-3000 Capsules per hour. Easy to operate and up to 35% faster than similar fillers due to its patented design. Change Parts and a full range of accessories are available. Offered in Sizes 000-5 and all el sizes. Over 5000 in use globally! ProFill OE for DBcaps®.



Handheld 300-hole Capsule Filler

For the growing company and for use under powder hoods or in glove-box isolators. Fully locks capsules after filling. The only 300-hole hand-held you can upgrade as the Change Parts of the 3600 also fit the 3700 bench-top Filler. The same Orienter works with 3600 & 3700. Output up to 4500-6900 Capsules per hour. Available in Sizes 000-4 & all el sizes.



Bench-top* Capsule Filler & Hand-held Orienter

Easiest bench-top system to set-up and use. Includes a hand-held Orienter. Up to 6000-9000 capsules per hour. Options include Partial Batch Kit and Vibrator. Available in Sizes 000-5, all el sizes & for DBcaps®.



Bench-top* Capsule Filler & European Style Orienter

Our bench-top system for those who prefer the traditional European style semi-automatic Orienter. Up to 6000-9000 capsules per hour. Optional Vibrator. Available in Sizes 00-4. Other sizes use a hand-held orienter.



**Bench-top Systems are designed for easier operation to enable continuous production. The 3700 includes our innovative hand-held orienter. For customers who use the traditional European style "semi-automatic" orienter we offer the 3800.*

Other Equipment



Capsule / Caplet Film Coater

For R&D. Ideal for enteric or film coating small batches of capsules and caplets with solvent based coatings.



Filling Funnel

For precision capsule filling on a balance. Includes Tamper. Made from Inox (316 stainless steel). Available in all capsule sizes including veterinary sizes.



Veterinary Capsule Fillers



ProFill Vet

Handheld filler for sizes 13-Su07. Up to 800 capsules per hour. Lightweight design for laboratory and test-market trials.



Veterinary Capsule System

Bench-top filler for sizes 13-Su07. Up to 1500-2400 capsules per hour with Orienter. Heavy-duty design for production use.