Bench-Top Capsule Filling System

For Use in R&D • Pharmacy Compounding • Nutritional Supplements • Clinical Studies

X900 Up to 14,400 capsules/hour^{*} 3700 / 3800 Up to 9,200 capsules/hour^{*}

ProFiller® 3700 3800 x900



Watch videos at www.profiller.com

ProFiller 300-hole models are the new standard in bench-top capsule filling systems. Available with a choice of Orienters and the largest selection of optional accessories. Experienced capsule 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

- Multiple design features make ProFiller easier to use than any other capsule filling system.
- Indicator gauges assist in capsule orientation, separation and locking.
- Fast, trouble-free capsule size changes. All Change Parts marked & fit adjustment free.
- Well-illustrated manuals in multiple languages & video tips at www.profiller.com.

🞾 Grows with You

- Change Parts Sizes 000-5, 00el-2el & AAA-D¹.
- Add a Powder Vibrator at any time.
- Upgrade 3700/3800 to X900 by adding Orienter & Orienter Change Parts.
- Powder Hood Guide & Lower Height Configuration available.

Pharmacopoeia Compliant

- Fill weights, USP/EP method within ± 1-3% of average. Typically all 300 capsules/batch are within ± 4-7% of target. More information at <u>www.profiller.com/3fw</u>.
- Validation package available for cGMP compliance.
- Works with all capsules: gelatin, vegetarian/HPMC starch & enteric.

¹3700 in Size 000-5 & 00el-2el, 3800 in Size 00-4, 3900 in Size 00-4; and, 3700 OE in Size AAA-D.

Also Available







Mixers



Mill

1100 / 1120 3600* *Upgradeable to 3700 / 3800 / X900

Higher Output

- Inox (SS316) Filler Plates reduce static for faster filling.
- Tamper pins optimized for higher fill weights & faster filling.
- Locking handle rear-facing & longer for easier locking.
- Adjustable capsule body height for over-filling.
- Oversize Powder Tray & Push Plate.
- 3700 has a lightweight, 2-piece Orienter & Orienter locater.



GMP & Faster Clean-Out

- Dishwasher safe Inox (SS316) Filler powder contact parts.
- Designed for fast disassembly & visual verification of cleaning.
- Bench-top Filler Base in lightweight corrosion resistant anodized aluminum or upgrade to Inox (SS316).
- Filler Gear, Cam and optional Vibrator are fully covered.

Exclusive Features & Options

- Caps Tray in Inox (SS316) or lightweight anodized aluminum.
- Partial Batch Kit for filling less than a full batch (3700 Only).
- Capsule Counters.
- Attachments for over-encapsulation of tablets, capsules & caplets, and for liquid filling, over filling and partial filling of capsules.

[‡]output based on powder, operator speed & number of tamps.

Distributed by:



Key Features

20+ design features make ProFiller the Bench-Top Fillers of Choice





X900 - Automatic Orienter for Highest Output 8,100 to 14,400 capsule/hour*

Full System

Everything you need to fill one capsule size:

- Filler Base & Orienter Base
- Change Parts for one capsule size
- 300-pin Tamper
- Powder Tray
- Push Plate
- Powder Spreaders
- Storage Box for Loose Parts*
- Capsule Bins*

*Not Shown in Photo

Change Parts

Change Parts for one capsule size include Filler:

- Body Sheet Set
- Caps Tray
- Locking Plate Spacer
- Orienter:
- Magazine
- Rectifier Raceway
- Slide
- Additional Caps Tray

[†] If you can fill Size 4 only also order Bottom Spacer Plate P3B BSP 00-3.



	110-120V / 60Hz	220-240V / 50Hz
Size 00:	X9F BFU 00	X9F BFR 00
Size 0:	X9F BFU 0	X9F BFR 0
Size 1:	X9F BFU 1	X9F BFR 1
Size 2:	X9F BFU 2	X9F BFR 2
Size 3:	X9F BFU 3	X9F BFR 3
Size 4:	X9F BFU 4	X9F BFR 4

Capsule sizes 5, 000, 00el-2el, AAA-D available as ProFiller 3700 / 3700OE.

Size 00:	X9F CPS 00 [†]
Size 0:	X9F CPS 0 [†]
Size 1:	X9F CPS1 [†]
Size 2:	X9F CPS 2 [†]
Size 3:	X9F CPS 3 [†]
Size 4:	X9F CPS 4

· See below if Tamper is required.

· Capsule sizes 5, 000, 00el-2el, AAA-D available as ProFiller 3700 / 3700OE.

Common Items for All Models 3700, 3800 & X900					
Tamper for additional sizes (recommended)					
300-Pin Tamper is Inox (Stainless Steel 316)		Size 00:	P3B T300P 00		
Tampers increase filling speed and fill weights.	ers increase filling speed and fill weights.		P3B T300P 0-1		
Tamper are capsule size specific.		Size 2-3:	P3B T300P 2-3		
		Size 4:	P3B T300P 4		
Powder Vibrator		Volts / Hz	ltem #		
Optional Vibrator recommended for faster filling of powders that bridge or are sticky, granular, fluid		110-120 Volts/60Hz	P3B VIB 110V		
or flour-like. It also reduces fill weight variation of fine powders. Fully enclosed in Inox (SS316).		220-240 Volts/50Hz	P3B VIB 230V		
Filler sits over Vibrator. Also available with Inox (SS316) Base Plate.		100 Volts/50 or 60Hz	P3B VIB 100V**		
** PM VIB 100V is for Japan. It is supplied in 50Hz for East Japan and 60Hz for West Japan. Please specify your requirement.					

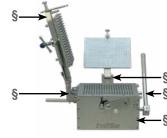
Inox (Stainless Steel 316) Filler Base Upgrade

Upgrade your Filler Base from Anodized Aluminum to Inox (Stainless Steel 316).

Change Parts and Tampers for both filler bases are common.

Inox (SS316) cannot be used with a standard Powder Vibrator. A special Powder Vibrator is required.

See <u>www.profiller.com/3fbu</u> for item codes and net weight.



Filler Inox (Stainless Steel 316)

§ Additional Parts in Inox (SS316)



Vibrator Inox (Stainless Steel 316)

Alternate Configurations

All Filler models are also available without a Tamper for those using vibration only, and in reduced height configurations for use under a powder hood. See page 7 for additional configurations. For Powder Hood guide see www.profiller.com/phg.





ProFiller 3700 - Upgradable Model up to 7,200 - 9,000 capsules/hour[‡]

Full System

Everything you need to fill one capsule size:

- Filler Base & Orienter Base
- Change Parts for one capsule size
- 300-pin Tamper
- Powder Tray
- Push Plate
- Powder Spreaders
- Storage Box for Loose Parts*
- Measuring Bowls*
- Capsule Bins*
 *Not Shown in Photo



	Item #
Size 00:	P7T BHS 00
Size 0:	P7T BHS 0
Size 1:	P7T BHS 1
Size 2:	P7T BHS 2
Size 3:	P7T BHS 3
Size 4:	P7T BHS 4
Size 000:	P7T BHS 0001

Capsule sizes 5, 00el-2el, AAA-D contact us for more information and pricing. ¹180-holes

Change Parts - Use table below only if you already fill any of sizes 00-4 or 0el-2el. Otherwise, contact us.

Change Parts for one capsule size include:

- · Body Sheet Set
- Caps Tray
- Locking Plate Spacer
- Orienter Tray

All Change Parts are Inox (Stainless Steel 316) and include a plastic storage box.

[†] If you can fill Size 4 only also order Bottom Spacer Plate P3B BSP 00-3.

* If you do not have Size 5 Change Parts also only also order Bottom Spacer Plate P3B BSP 4-5.

² 180-hole. Includes Orienter Base, Capsule Locking Plate and Bottom Spacer Plate.

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Size 00:		P7T CPS 00 [†]
Size 0:		P7T CPS 0 [†]
Size 1:		P7T CPS 1 [†]
Size 2:		P7T CPS 2 [†]
Size 3:		P7T CPS 3 [†]
Size 4:		P7T CPS 4*
Size 000:		P7T CPCK 000 ²
-	o :< = ·	

· See page 3 if Tamper is required.

 \cdot Capsule sizes 5, 00el-2el, AAA-D contact us.

For additional Tampers, Powder Vibrator and Inox (Stainless Steel 316) Filler Base Upgrade, see page 3 to order.

ProFiller 3800 - For Customers Who	Prefer an European Style Orie	nter up to 7,2	00 - 9,000 capsules/hour [‡]
Full System			Item #
Everything you need to fill one capsule size:		Size 00:	P8S BSA 00
Filler Base & Orienter BaseChange Parts for one capsule size	The second se	Size 0:	P8S BSA 0
• 300-pin Tamper		Size 1:	P8S BSA 1
Powder TrayPush Plate		Size 2:	P8S BSA 2
Powder Spreaders		Size 3:	P8S BSA 3
 Storage Box for Loose Parts* Measuring Bowls* 		Size 4:	P8S BSA 4
Capsule Bins 'Not Shown in Photo	Same Output as 3700 (optional vibrator shown)	Capsule sizes 5, 000, 00el-2el, AAA-D available as ProFiller 3700 / 3700OE.	
Change Parts			

Change Parts for one capsule size include:

- Body Sheet Set
- · Caps Tray
- Orienter Tray
- · Locking Plate Spacer
- Transfer Plate^{**}

Filler Change Parts are Inox (Stainless Steel 316). Change Parts include a plastic storage box.

[†] If you can fill Size 4 only also order Bottom Spacer Plate P3B BSP 00-3. **Transfer Plate is made from Acrylic. An Anodized Aluminum Transfer Plate can be ordered.



Size 00:	P8S CPS 00 [†]	
Size 0:	P8S CPS 0 [†]	
Size 1:	P8S CPS1 [†]	
Size 2:	P8S CPS 2 [†]	
Size 3:	P8S CPS 3 [†]	
Size 4:	P8S CPS 4	

· See page 3 if Tamper is required.

 Capsule sizes 5, 000, 00el-2el, AAA-D available as ProFiller 3700 / 3700OE.

For additional Tampers, Powder Vibrator and Inox (Stainless Steel 316) Filler Base Upgrade, see page 3 to order.

ProFiller® 3700

Optional Accessories

Item Description	and the Description of		ltem #
Optional Acc	essories for ProFiller 37	/00 / 3800 / X900	
Capsule Counters Divide your batch of capsules into 3 groups of 100 capsules, 5 groups of 60 or 10 groups of 30. Anodized aluminum	93	00-5	P3X CTR 3X100 P3X CTR 5X60 P3X CTR 10X30
Premium Accessories Kit Includes Inox (SS316) empty & filled capsule bins and stand. Speeds capsule filling & makes it easier to work in less space. Other items shown for illustration. Visit <u>www.profiller.com/pak</u> .		All Sizes	РЗХ РАК
Lifting Handle Extension Attaches to Lifting Handle to make capsule separation and locking under a powder hood easier.		All Sizes	P3B LHE
Over Fill (OF) Parts Standard change parts allow capsules bodies to be lowered by 2mm (Size 00 by 1.2mm) below the surface of the filler. OF Change Parts allow lowering by an additional 2 mm for twice the overfill capacity (3X for Size 00).		000-1	P3X OFP [†]
Vibrator Foot Pedal Press down for vibration on. Use with the P78 Vibrator. Increases output and convenience as it frees operator to use powder spreader.		All Sizes	P3B VIB FP HO
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).	1 I 1 I	All Sizes	РЗХ РТС

Optional Accessories for ProFiller 3700 ONLY!				
Caps Tray For 3700 Purchase an additional Caps Tray. Light-weight		Anodized Aluminum	All sizes	P67 CT AL^{\dagger}
anodized aluminum Caps Tray is not Dishwasher Safe.		Inox (SS316)	All sizes	P67 CT SS [†]
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.			00-4	P67 PBK
30-pin Tamper For use with ProFiller 3700 Partial Batch Kit. Tamper in Sizes 00, 0-1, 2-3, 4.	ебниния	a	00 0-1 & 0el-1el 2-3 & 2el 4	P67 T30P 00 P67 T30P 0-1 P67 T30P 2-3 P67 T30P 4
Autoclave Kit Make the entire ProFiller 300-hole system autoclavable. Includes Inox (SS316) or hard anodized aluminum versions of all plastic parts and Teflon spreader. Visit www.profiller.com/p3xak.	-	•	00-4	P7T AK 00-4
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	1. 2	-	00-4	P67 CLP 00-4
Locker & Locking Plate are required. Capsule Locker is size specific and locks 50 capsules at a time.	100000		00-4	P67 CL [†]
Optional Accessories for ProFiller 3800 / X900 ONLY!				

Caps Tray For 3800 / X900

Purchase an additional Caps Tray. Light-weight anodized aluminum Caps Tray is not Dishwasher Safe.



Anodized Aluminum Inox (SS316)

00-4

00-4

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

P89 CT AL[†]

P89 CT SS[†]



Optional Accessories

Over-Encapsulation Attachments for P	roFiller 3700 / 3800 / X900	Specification	Item #
Tablet Fill Attachment (Standard) Over-encapsulate round tablets 6.0-7.3 mm diameter and 2.0-3.5 mm height.		None	P3X ATF STD
Tablet Fill Attachment (Custom) For round tablets outside the size range of Tablet Fill Attachment (Standard) a custom TFA is required. Delivery 4-6 weeks.		Tablet Dimensions & Outer Capsule Size	P3X ATF Custom
Caplet Fill Attachment For caplets or non-round tablets. Engineering drawing of tablet required. Delivery 4-8 weeks.		Caplet Dimensions & Outer Capsule Size	P3X ACF Custom
Orienter for Capsule-in-Capsule Fill capsules inside capsules. Order Orienter for inner capsule size. To determine what capsule size you require see our Capsule-In-Capsule size chart www.profiller.com/cicsc.		Specify Inner Capsule 00-4 Specify Inner Capsule 1el or 2el	P3X ACI† P3X ACI EL†
OE Guide Tray All Over Encapsulation Attachments include a guide tray to correctly locate the attachment and guide the test products into the capsule.		n/a	P3X AGT included with all OE Attachments
			[†] Specify capsule size.



Need to Fill Sizes AAA-D?

Order a Profiller 3700OE.

ProFiller is the only Bench-top system designed for capsules sizes AAA-D. Your alternative to hand filling small batches of AAA-D capsules for Phase 1 & 2 studies. See <u>www.profiller.com/3700oe</u> for brochures, videos and more information on ordering a filler and attachments.

Lower Height Configuration



3700 / 3800 / X900 NT

standing handle.

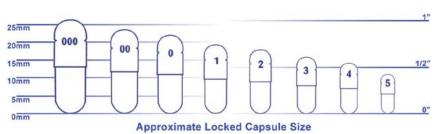
Filler base without Tamper and Tamper Arm Assembly lowers overall height for use under a powder hood. To be used with Vibrator or Hand-Held 300-pin Tamper. To order Lower Height configuration contact us for information.

For use with ProFiller Lower Height Configuration alone or along with a vibrator. Hand-held tamper Includes self-

Hand-held 300-pin Tamper (180-pin for size 000/00el)

(optional)

Capsule Size Chart



Shipping & Installation

Contact us for shipping weights, the recommended installation area and table dimensions <u>www.profiller.com/wd</u>.

or

Download the product manuals at <u>www.profiller.com</u>.



1. Is a CE certificate Available?

A Declaration of Conformity is included with each system. A CE certificate is included with the optional Vibrator & AL300.

2. What is the output?

ProFiller 3700 & 3800 fill up to 7,200 – 9,000 and X900 up to 12,000 - 14,400 capsules per hour for most powders. Our engineers have included features, some patented, which make 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.

3. How accurate are 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. For more information visit <u>www.profiller.com/3fw</u>. Results vary due to powder properties and require use of excipients & 1-3 tamping cycles.

4. What capsule types can I fill?

ProFillers have been tested with different brands and types of capsules: gelatin, vegetarian/HPMC, starch & enteric. For the softer vegetarian capsules, our 3 Body Sheet Set design ensures 100% separation of capsules and the Locking Plate with domes prevents denting of capsules.

5. What size capsules can I fill?

The 3700 fills sizes 000-5, 00el-2el, and AAA-D. The 3800 fills sizes 00-4. The X900 fills sizes 00-4. To order Change Parts for X900 see page 3, for 3700 / 3800 see page 4.

6. Is a smaller ProFiller available?

We offer 3 smaller hand-held models: a 100 hole, a 120 hole, and a 300 hole. The 300 hole ProFiller 3600 can be upgraded at any time as the filler & orienter change parts can be used on the 3700 and the filler change parts can be used on the 3800 & X900. Visit <u>www.profiller.com</u>.

7. What are the maintenance requirements?

We recommend daily cleaning, preferably washing, of the machine to remove any powder. At a minimum the Cam and the Body Sheet Set should be wiped clean of powder and lubricated with a food grade lubricant (e.g. Vaseline petroleum jelly). Visit <u>www.profiller.com/tips</u> and see the maintenance section.

8. Where can I find product manuals?

Visit <u>www.profiller.com</u>. Click on Technical Support.

9. What is ProFiller made of & can it be cleaned in an automatic dishwasher?

See Manual for materials of construction. For all models the Filler Change Parts can be cleaned in an automatic dishwasher and is safe for use with automatic dishwasher detergents. For remaining parts see manuals.

10.What are the installation and utility requirements?

See Manual 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 X900 or the optional Vibrator. The X900's electrical specifications are on page 3. The vibrator's electrical specifications are on page 3. If you have different electrical requirements specify them in your order. If you are filling under a powder hood see our guide at www.profiller.com/phg.

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

Yes, see page 7 for special attachments.

12.Can I fill non-aqueous liquids or powders that bridge or are sticky, granular, fluid or flour-like?

Yes, capsules filled with non-aqueous liquids for stability or clinical trials, if not sealed, will need to be kept vertical to minimize leakage between the cap and body. Capsules for commercial sale require sealing using equipment purchased separately. Add the optional Powder Vibrator for faster filling of hard-to fill powders. For information visit <u>www.profiller.com/vibrators/use</u>.



ProFiller Products



Three Roll **Ointment Mill** For enteric film & coating of capsules & caplets

Funnel for precision capsule filling on a balance

Divide 300 capsules into batches of 30, 60 or 100

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