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Optional Vibrator



Up to 35% Faster than other 100-hole systems based on a patented design.



Exclusive 50-pin Tamper, Powder Tray with reservoir & Video CD.



Fully equipped for one capsule size. Tool-free Change Parts available for all capsule sizes.



Largest selection of (optional) accessories: Vibrator, Partial Batch Kit, 100-pin Tamper, Powder Tray Clamps, Locking Accessories for coarse powders, and Maintenance Kit. See pg 6-7.



Fill weights, USP/EP method within $\pm 1-2\%$ of average. Typically all 100 capsules/batch are within $\pm 4-7.5\%$ of target. For more information see page 2.



Double-blind capsules, tablets and caplets faster using patented design and optional inserters. Partial fill capsule attachment available. See pg 6.



Easy cleaning & high GMP as powder contact parts are stainless steel (Inox), polycarbonate & anodized aluminum.



ProFill 3006 and 3007 300-hole Fillers for up to 3-4X the output/hour. See page 10.



Change Parts allow up to three capsule sizes to be filled with one system.

DISTRIBUTED BY

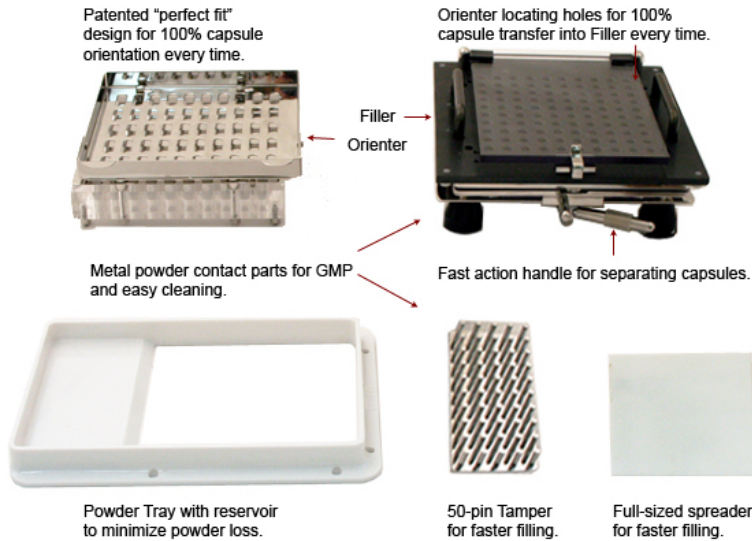


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See what makes the ProFill up to 35% faster than the competition.

Customer Testimonials

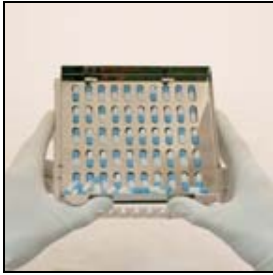
- "The ProFill is a **work of art**. We're impressed with the packaging and your service. Thank you. We rate you and your organization a 9+." *Tyon Murtagh - Kaisen Wholefoods - Unsolicited Comments*
- "Easy to use and it is very fast too! We really like it." *Lucy Loh – Redox Functional Medicine Laboratory*
- "We are immensely satisfied. We make 10,000 capsules a day. It has reduced our production time. Thanks!" *Perry Belcher - AMI Inc.*
- "After several months, we are very pleased with it. We would recommend this to anyone." *Jim & LaRonda – Baker Express Pharmacy*
- "Thank You! I have been using my ProFill for 6 months and am truly pleased. It is efficient and user friendly. " *Sylvie Morin – Health for Life*
- "With inexperienced operators, we achieved 1500-2000 capsules per hour. We are very happy and strongly recommend the ProFill. We have the option of paralleling 2 or 3 for **doubling** or **tripling** our production." *Humberto T Zárate – Mercatus International Corp.*
- "**We cut our production time by 60%**. Thank You." *Samual Gomez Roman – Chi Institute*

Fill Weight Variation Data

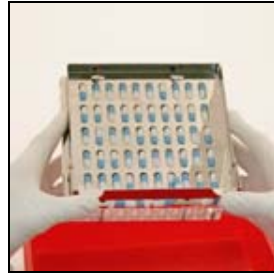
	Powder Type			Conclusions:
	Coarse	Granulated / Semi-Coarse	Fine ¹	
Capsule Fill Weights Comply to USP/EP	Yes	Yes	Yes	• Weight Variation complies with USP/EP methods. Using USP/EP method fill weights are within ± 1-2% of target weight². • Typically all 100 capsules in a cycle are within ± 4- 7.5% of the target weight². Methodology: • Target weight of powder ±1% was pre-weighed. • Each powder was filled at least 4 times by different operators. • All powders were tapped/ tamped 1-3 times. • Fill weight analysis using net fill weight (capsule weight was subtracted).
Average Capsule Weight USP/EP method within % of Target Weight	± 1%	± 1%	± 1%	
All 100 Capsules (weighed individually) are within x% of Target Weight	± 4%	± 5%	±7.5%	
% of Capsules weighed individually				
within: ± 3% of target weight	95%	90%	70%	
± 5% of target weight	100%	100%	90%	
± 7.5% of target weight	100%	100%	100%	

1 To achieve these results, fine powders require additional tamps, taps or vibration and may require use of excipients.
 2 Results will vary based on powder, number of tamps or taps and/or vibration time and intensity. Excipients may be required for some powders. Fill weight and capsule size also influence results.
 3 For fluid like powders that flow out of the capsule during tamping or very fine powders (particle size below 200 mesh) 100% of capsules may be within ±10% of the target weight.





1. Pour 50+ capsules onto Orienter and shake back and forth moving capsules into slots.



2. Lift gate and pour off excess capsules.



3. Open Filler Locking Plate fully by sliding clamp forward. Place Orienter locating feet in the holes on the Filler marked "I".



4. Push the sliding portion of the Orienter to the left to drop capsules into the Filler.



5. Remove Orienter. Capsules are in every other row of the Filler.

Tip: Avoid pressing down on the Orienter Sheets to maintain proper sliding action.



6. To fill remaining rows, repeat steps 1-4 except in Step 3 align the Orienter locating feet in the holes marked "II".



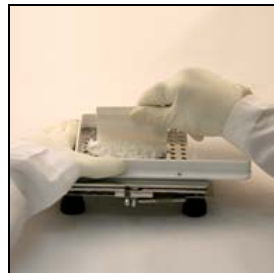
7. Close the Filler Locking Plate and slide Locking Clamp to secure. Gently squeeze the Cam Lever toward the post to secure bodies in the Filler.



8. To separate capsules, press palms down on Filler handles while lifting Caps Tray up with fingers. Remove Caps Tray from Filler. Release Cam Lever to drop capsule bodies flush with Filler.



9. Place Powder Tray on Filler using locating pins and pour out pre-measured powder.



10. While holding down the Powder Tray, use the Powder Spreader to move powder so it falls into the capsule bodies. Push excess powder onto reservoir.



11. Use Tamper to pack powder. Spread the remaining powder from reservoir into bodies. All the bodies are now filled. Remove Powder Tray.

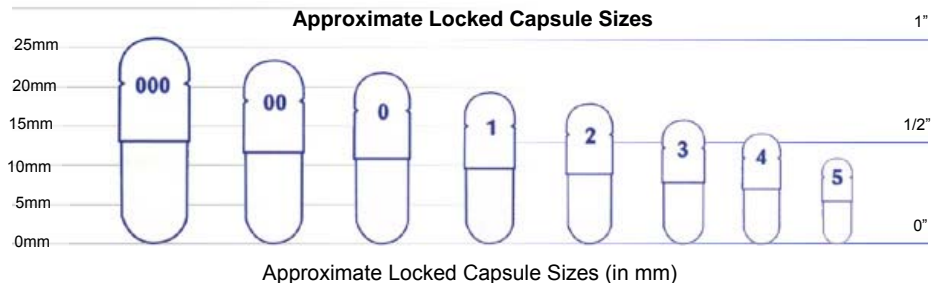


12. Place Caps Tray back onto Filler. To lock capsules, push down on Locking Plate with thumbs while pulling up on Lifting Plate with fingers.

View online video at:



CapsuleConnection.com/ProFill100/Video

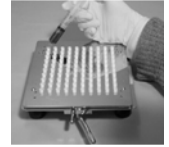


Special Fill Materials

Filling Liquids

After separating the capsules in the Filler by lifting up the Caps Tray (Quick Start Guide step 8) do not release the Cam Lever. The capsule bodies will remain above the top surface of the Filler. This makes it easier to fill the capsule bodies with a pipette or syringe. After filling the capsules, slowly release the Cam Lever so the capsules bodies are level with the top surface of the Filler. Continue with Step 12 in Quick Start Guide.

Capsules are designed for use with non-aqueous liquids only. Once filled with a liquid, store capsules upright to keep liquid contained.



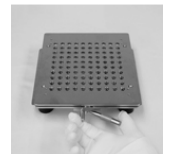
Use of Vibrator for Special Fill Materials

The optional Vibrator (page 6) is especially helpful when filling: Fluffy and fine powders such as Charcoal, Powders that "bridge" such as Tyrosine or Calcium Carbonate, Powders that can stick to Tamper pins such as Frankincense or Dolomite, or Granules where tamping can cause granules to break or compress.



Filling Sticky Powders

Before starting step 11 in Quick Start Guide, gently squeeze the Cam Lever again to securely hold the capsule bodies in the Filler. When filling sticky powders, this will prevent the capsule bodies from being pulled out by the Tamper after powder compression.



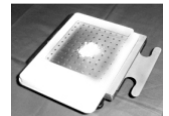
Over-encapsulation / Double Blinding of Tablets, Capsules and Caplets.

A full range of accessories is available (page 6-7). The Filler has unique locating holes to make location of the accessories fast and easy.



Partial Filling Of Capsules

A custom made attachment can be ordered to partially fill 100 capsules using your existing ProFill System e.g. for inhalation capsules. Fill weight variation is within $\pm 7\%$ of average. Contact us for powder specifications required to design the attachment. Delivery 6-8 weeks. Cost approx. \$1000. (estimate).

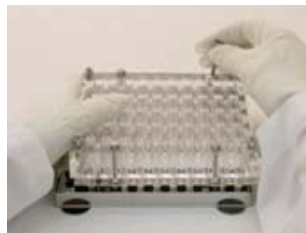


Installing Change Parts



**No Tools
Required**

The Profill 100 system's patented design requires no tools or adjustments to change capsule sizes.



1. Turn the Orienter over and remove the 4 hand screws from the Base. Remove the Orienter Change Part.



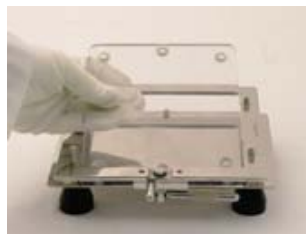
2. Align the locating hole in the new size Orienter Change Part with the locating post on the correct size Base. Tighten the 4 hand screws.



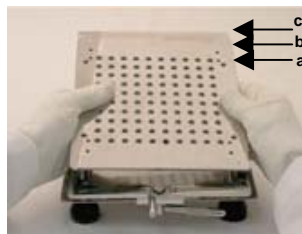
3. Remove the Caps Tray.



4. Remove the set of Body Sheets. Be sure the Cam Lever is pointed at 3 o'clock.



5. Lift out the Spacer Plate and replace with the new size Spacer Plate.



6. Place the new size Body Sheet marked "a" on the locating pins first, then the "b" sheet, then the "c" sheet.



7. Place the new size Caps Tray onto the Filler. You are now ready to fill a new capsule size.





ProFill 100 System					
Capsule Size	Item Number	US \$	Capsule Size	Item Number	US \$
00	MP PFS 00	925	4	MP PFS 4	925
0	MP PFS 0	925	5	MP PFS 5	1160
1	MP PFS 1L♦	925	000	MP PFS 000	1160
1	MP PFS 1S♦	925	For el sizes (00el, 0el, 1el & 2el) and DBcaps® sizes please contact us.		
2	MP PFS 2	925			
3	MP PFS 3	925			

ProFill System includes everything you need to fill one capsule size: Orienter/Filler Base & Change Parts, Powder Spreader, 50-pin Tamper, Powder Tray, manual (not shown) & CD (not shown).

♦ For Size 1 capsules you can select from two systems: "**1L**" can also fill Size 00 and 0 capsules with optional Change Parts. "**1S**" can also fill Size 2 and 3 capsules with optional Change Parts.

Ordering Parts to Fill Additional Capsule Sizes

To use the tables below, first find the table with the additional capsule size you want to fill. Second, identify what capsule sizes you can fill with the equipment you now have. Third, select the row under column "You Have ▼" that requires you to purchase the fewest parts. For example, you want to fill Size 0 and you have change parts for Size 00 and 1. Use the table "To Fill Size 0". Order following item: MP PCP 0.

You Have ▼ = You have all the parts you need to fill one or more of the sizes in one of the cells below.

See page 6 for photographs of change parts and conversion kits. For information on why a conversion kit may be required see page 9, FAQ #14.

To Fill Size 000			
You Have ▼	You Need		
	MP PCPCK 000 Change Parts	Conversion Kit	Total
00, 0, 1L*, 1S*, 2, 3, 4, or 5	\$925.00	Included in package	\$925.00

To Fill Size 00			
You Have ▼	You Need		
	MP PCP 00 Change Parts	MP CK 00-1 Conversion Kit	Total
0 or 1L*	\$525.00		\$525.00
000, 1S*, 2, 3, 4, or 5	\$525.00	\$165.00	\$690.00

To Fill Size 0			
You Have ▼	You Need		
	MP PCP 0 Change Parts	MP CK 00-1 Conversion Kit	Total
00, or 1L*	\$525.00		\$525.00
000, 1S*, 2, 3, 4, or 5	\$525.00	\$165.00	\$690.00

To Fill Size 1†			
You Have ▼	You Need		
	MP PCP 1 Change Parts	MP CK 00-1 or MP CK 1-3† Conversion Kit	Total
00, 0, 2, or 3	\$525.00		\$525.00
000, 4, or 5	\$525.00	\$165.00	\$690.00

† Select conversion kit based on capsule sizes you may want to fill in the future.

To Fill Size 2			
You Have ▼	You Need		
	MP PCP 2 Change Parts	MP CK 1-3 Conversion Kit	Total
1S*, or 3	\$525.00		\$525.00
000, 0, 1L*, 4, or 5	\$525.00	\$165.00	\$690.00

To Fill Size 3			
You Have ▼	You Need		
	MP PCP 3 Change Parts	MP CK 1-3 Conversion Kit	Total
1S*, or 2	\$525.00		\$525.00
000, 0, 1L*, 4, or 5	\$525.00	\$165.00	\$690.00

To Fill Size 4			
You Have ▼	You Need		
	MP PCP 4 Change Parts	MP CK 4-5 Conversion Kit	Total
5	\$525.00		\$525.00
000, 00, 0, 1L*, 1S*, 2, or 3	\$525.00	\$165.00	\$690.00

To Fill Size 5			
You Have ▼	You Need		
	MP PCP 5 Change Parts	MP CK 4-5 Conversion Kit	Total
4	\$760.00		\$760.00
000, 00, 0, 1L*, 1S*, 2, or 3	\$760.00	\$165.00	\$925.00

*To determine if you have system 1L or 1S see your Orienter Base:
Size 1L is marked 00, 0, 1
Size 1S is marked 1, 2, 3

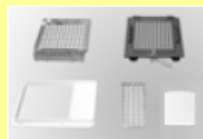


Combination Packages

If you need to fill 3 or 4 capsule sizes and do not currently own a ProFill 100, a **COMBINATION PACKAGE** is ideal

Combo Package A

With this package you can fill any 3 sizes of your choice from 00, 0, 1, 2 or 3. Includes 1 full system for one capsule size, 1 Conversion Kit & 2 Change Parts sets for additional capsule sizes.



Full system including Change Parts for 1st capsule size.



Conversion Kit



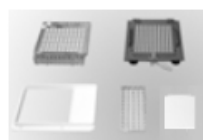
Change Part Set for 2nd capsule size



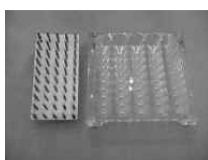
Change Part Set for 3rd capsule size

Combo Package B

With this package you can fill any 4 sizes of your choice from 00, 0, 1, 2 or 3. Includes 1 full system for one capsule size, 1 Conversion Kit & 3 Change Parts sets for additional capsule sizes.



Full system including Change Parts for 1st capsule size.



Conversion Kit



Change Part Set for 2nd capsule size



Change Part Set for 3rd capsule size



Change Part Set for 4th capsule size

Item Description	Capsule Sizes	Item #	US \$ / unit
Combo Package A	Any 3 Capsules Sizes from 00, 0, 1, 2, or 3	PFC A & Size #'s	2065.00
Combo Package B	Any 4 Capsules Sizes from 00, 0, 1, 2, or 3	PFC B & Size #'s	2500.00

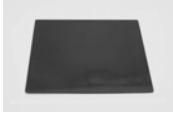
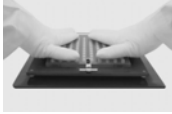


Optional Accessories

Item Description		Capsule Size	Item #	US \$ / unit	
Vibrator* The use of a vibrator can reduce weight variation and filling time for powders that "bridge" or are granular, fluid or flour-like. Powder Tray Locking Clamps are required when using the Vibrator.		110-120 Volts/60Hz	all sizes	MP VIB 110	415.00
		220-240 Volts/50Hz	all sizes	MP VIB 230	415.00
Powder Tray Locking Clamp Stainless Steel Clamps used for holding down the white polycarbonate powder tray in order to reduce powder loss.			all sizes	MP Clamp Poly PT	20.00
Maintenance Kit Includes 1 cleaning brush, 1 nylon cleaning pad, 1 bottle of anodized parts cleaning solution, 2 Filler Base feet, 2 Caps Tray feet, 2 Spacer Plate feet, & 2 Orienter Base screws.			000-5	MP MK	45.00
Partial Batch Kit Fill less than 100 capsules per batch. Includes 1 each of Orienter Divider, Powder Tray Divider & 5-pin Tamper.			00-3 & 0e1-2e1	MP PBK 00-3	105.00
Powder Tray Aluminum For customers who prefer a metal Powder Tray (hard anodized aluminum). Must be hand-washed.			all sizes	MP Tray AL	90.00
Tamper 5-Pin Each side of the Tamper is for a different capsule size.		00-1 & 1-3 & 0e1-2e1		MP T5P 00-3	16.50
		000 / 4-5 & 0e1		MP T5P 000/4-5	16.50
Tamper 100-Pin For Faster Filling Speed		00-1 & 00e1-1e1		MP T100P 00-1	165.00
		1-3 & 1e1-2e1		MP T100P 1-3	165.00
		000		MP T100P 000	165.00
		4-5		MP T100P 4-5	165.00




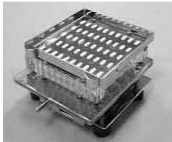
* Works with the white polycarbonate Powder Tray only. If you have an anodized aluminum Powder Tray, add the white polycarbonate Powder Tray Item # MP Tray Poly \$10 to your order.



Locking Accessories

Item Description	Capsule Size	Item #	US \$ / unit
<p>Silicone Rubber Pad</p> <p>A lower cost solution to make fully locking capsules faster and easier. For coarse powders we recommend the Capsule Locker & Resting Plate below to avoid denting of capsule domes.</p>  	000-5 & el	MP SRP	30.00
<p>Capsule Locker & Resting Plate</p> <p>For locking capsules filled with coarse or sticky powders e.g. salt, dolomite, frankincense, charcoal, etc. Prevents denting of capsule cap or body domes. Capsule Locker is capsule size specific and locks 25 capsules at a time. Use 4 times to lock 100 capsules. Resting Plate is common for all capsule sizes and is required to stabilize the Caps Tray.</p>  	Resting Plate 000-5	MP RP	30.00
	Capsule Locker 00	MP CL00	60.00
	Capsule Locker 0	MP CL0	60.00
	Capsule Locker 1	MP CL1	60.00
	Capsule Locker 2	MP CL2	60.00
	Capsule Locker 3	MP CL3	60.00
	Capsule Locker 4	MP CL4	60.00
Capsule Locker 000, 5 & el sizes	Special Order	80.00	

Double Blinding or Over-Encapsulation Accessories

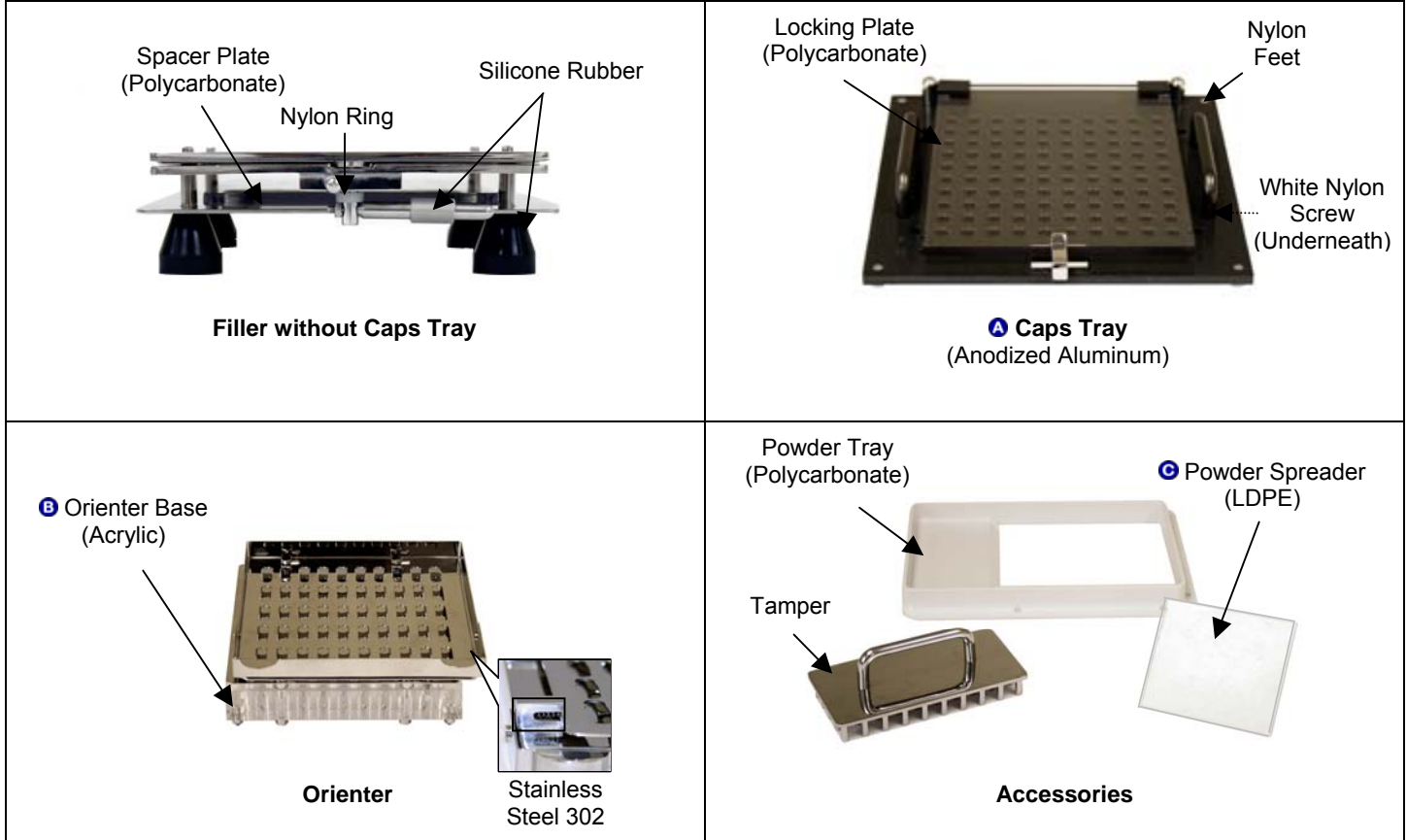
Item Description	Capsule Size	Item #	US \$ / unit
<p>Orienter For Capsule in Capsule</p> <p>This allows you to put capsules inside capsules using your existing ProFill System.</p> 	00	MP NEC OCPOB 00	360.00
	0	MP NEC OCPOB 0	360.00
	1	MP NEC OCPOB 1	360.00
	2	MP NEC OCPOB 2	360.00
	3	MP NEC OCPOB 3	360.00
	4	MP NEC OCPOB 4	360.00
5	MP NEC OCPOB 5	360.00	
<p>Tablet Fill Attachment (Standard)</p> <p>Over-encapsulate round tablets between 6.1-9.0 mm in diameter and 2.0-5.0 mm in height. Includes stainless steel base and 4 Tablet Sheets for different tablets in size range indicated.</p> 	DBcaps [®] , 000-5, 00el-2el	MP TFA STD	600.00
<p>Tablet Fill Attachment (Custom)</p> <p>This allows you to put tablets inside capsules using your existing ProFill System.</p> 	DBcaps [®] , 000-5, 00el-2el	Dimension of Tablet required. Delivery 6-8 weeks.	750.00 (estimate)
<p>Caplet Attachment (Custom)</p> <p>This allows you to put caplets inside capsules using your existing ProFill System.</p> 	DBcaps [®] , 000-5, 00el-2el	Dimension of Caplet required. Delivery 6-8 weeks.	750.00 (estimate)



Parts not otherwise labeled are made of **Stainless Steel (Inox) 304**.

The nylon parts of the Caps Tray **A** are known to discolor when used with Erythrosine. The Powder Spreader **C** is known to discolor when used with Beta Carotene or Sunset Yellow.

Materials of Construction



Cleaning & Drying

Automatic Dishwasher Safe

All items except the Caps Tray **A** may be cleaned in an Automatic Dishwasher. The Orienter Base **B** and Powder Spreader **C** should be placed in the top rack of the dishwasher (<70°C/160°F).

Autoclave Safe

All items except the Orienter Base **B** and Powder Spreader **C** may be autoclaved at 121°C, 15 psi pressure for 15 minutes.

Detergents

All items except the Caps Tray **A** may be cleaned with NaOH (Caustic Soda) 1-2% solution or with Bleaching Powder Solution. Caps Tray **A** should be cleaned with a mild dishwashing solution to avoid discoloration of the "hard-coat" anodized aluminum.

Isopropyl Alcohol Cleaning or Drying

All items except the Orienter Base may be cleaned with isopropyl alcohol. Do not soak plastic parts in isopropyl alcohol.

Hot Air Drying

All items may be dried in a hot air oven at up to 60°C or using a portable hair dryer. Following items should be removed after 15-20 minutes from an oven: Caps Tray **A**, Orienter Base **B** & Powder Spreader **C**. If using a hair dryer keep a distance of 12 inches from all parts.



1. What is the output and why is it faster than competitors?

The ProFill 100 fills up to 2000 - 3000 capsules per hour for most powders. Our engineers have designed 11 different features that make it the **fastest** and **easiest** 100-hole hand-held filling system on the market. The lower output is for fine powders. The higher output is for coarse free-flowing powders. Your results will vary based on the powder flow properties, operator speed & technique and use of excipients.

2. How accurate are fill weights?

Fill weights, USP/EP method within ±1-2% of target. Typically all 100 capsules/batch are within ±4-7.5% of target. For more information see page 2.

3. What types of capsules can I fill?

The ProFill 100 has been tested with different brands and types of capsules including gelatin, vegetarian / HPMC and starch capsules.



4. What size capsules can I fill?

The ProFill 100 is available in standard sizes of 000, 00, 0, 1, 2, 3, 4, 5, in custom sizes of both European and US 0el, 1el and 2el. ProFill OE is available for DBCaps[®] sizes AAA, AAel, AA, A, B & D. Change Parts can be ordered so you can fill up to three different sizes on the same system except for DBCaps[®]. ProFill OE Sizes require a separate system for each size.

5. Can I see the ProFill 100 before I buy?

You can view our online videos at CapsuleConnection.com/ProFill100/Video

6. How big is the ProFill 100 and how can I store it?

The largest piece is the Filler, which measures approximately 8x9x4 inches, or 20x23x10 cm. The entire system can comfortably fit in a regular office desk drawer

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

Yes, you can. See page 7 for more information and special attachments.

8. Can I fill liquids or sticky powders?

The ProFill system can be used to fill capsules with sticky powders or non-aqueous liquids. See Page 4 for tips, or visit www.capsuleworld.com/100/tips and click the link for special fill materials.

9. Can the ProFill 100 be cleaned in an automatic dishwasher?

Yes, everything but the hard anodized aluminum Caps Tray can be placed in an automatic dishwasher. If you have purchased the optional anodized aluminum Powder Tray, that item is not dishwasher safe.

10. What is the ProFill system made of?

See page 8 for the materials of construction.

11. What is the shipping weight and size?

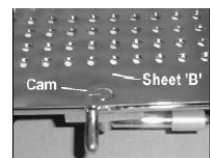
	English	Metric
Shipping Weight	17 lbs	8 Kg
Shipping Size	12" x 10" x 10"	30 x 26 x 25 cm

12. Is there a larger ProFill available?

Yes, the ProFill 3006 & 3007 fill 300 capsules per cycle and have an output of up to 3-4X that of the ProFill 100. Contact us for more information.

13. What are the maintenance requirements?

We recommend daily cleaning, preferably washing, of the machine to remove any powder. At a minimum the body sheet "b" and the cam should be wiped clean of powder and lubricated with a food grade lubricant (e.g. Vaseline petroleum jelly).



14. Why Might I Need a Conversion Kit?

ProFill 100 Systems include an Orienter Base (pg 4, Photo 1) and a 50-pin Tamper. These two parts come in four capsule "size ranges": 000, 00/0/1, 1/2/3 and 4/5. To fill additional capsule sizes outside the size range of your system, you need a Conversion Kit & Change Parts. The Conversion Kit includes an Orienter Base and Tamper for the new capsule size range.

15. What fill materials are known to discolor the ProFill 100?

Most fill materials will not discolor the ProFill. See the Materials of Construction on page 8 for a list of materials known to discolor one or more parts of the ProFill. If you have questions on a specific fill material contact us via CapsuleConnection.com/Contact

16. Does the ProFill 100 come with a CE certificate?

A "Statement of Conformity" can be provided on request. CE certificate is not applicable for this machine as it does not fall in the scope of '98/37/EC Machinery Directive', 'low voltage directives' or 'EMC directives'. A CE certificate is included with the optional Vibrator.

If you have additional questions that are not answered here, or you would like additional information, please visit CapsuleConnection.com/ProFill100 The website contains detailed information about using, cleaning, and caring for your ProFill System.



Size 000-5 Equipment



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 3006 also fit the 3007 bench-top Filler. The same Orienter works with 3006 & 3007. Output up to 4500-6900 Capsules per hour. Available in Sizes 000-4.



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 and all el sizes.



Bench-top* Capsule Filler & Semi-automatic 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 000-5.



**Bench-top Systems are designed for easier operation to enable continuous production. The 3007 includes our innovative hand-held Orienter. For customers who use the traditional European style "semi-automatic" Orienter we offer the 3008.*

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.



ProCoater



Filling Funnel

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

