



PF1000

INDUSTRY PROVEN

Fully Automatic Capsule Filling Machine



optkGB

Official PTK Partner



Pharmaceutical | Nutraceutical | Confectionery | Chemical

PTK PF1000

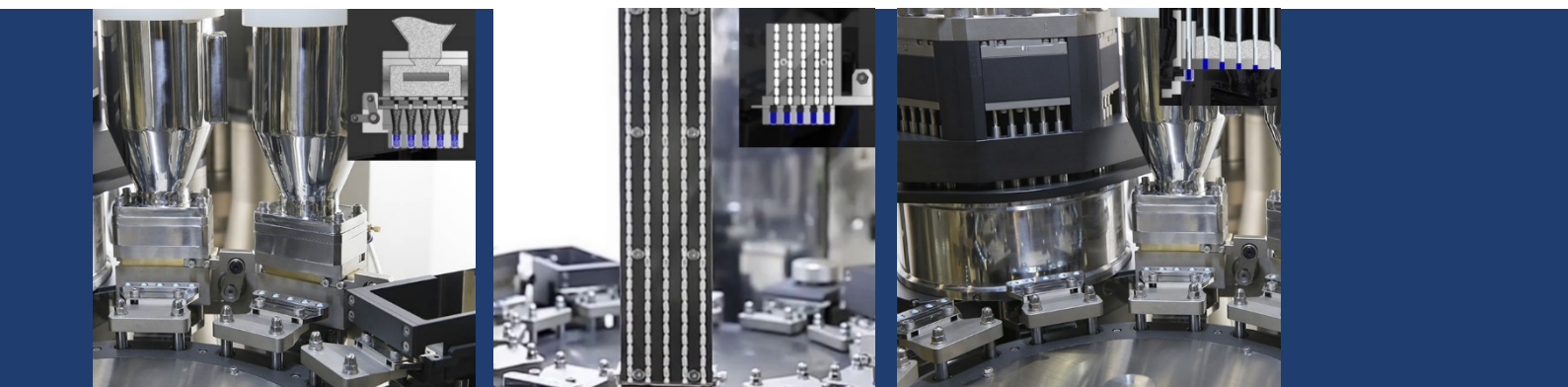
Fully Automatic Capsule Filling Machine

The PF1000 is our most popular and flexible capsule filling machine which provides a high degree of filling options. Its modular design enables quick change over of parts and easy access to the machine for quicker cleaning. The PF1000 is able to provide complex filling methods such as “tablets” and “pellets” maximizing full flexibility of your scheduled products.



Product Features

- Excellent price performance ratio for both machine and change parts
- Broad range of filling options for difficult products
- Up to 40,500 capsules per hour
- Accurate dosing and weight control
- Capsule sizes 00,0,1,2,3,4 (option size 000, 5)
- Tablet / Pellet filling options.
- Faulty capsule ejection station.
- Multi UK, European and worldwide ref sites
- Next Day onsite support.
- CE, cGMP, 21 CFR Part 11 compliant data security
- Full commissioning program

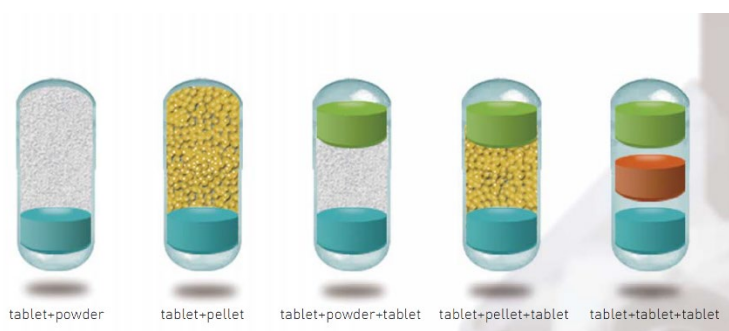


Diverse and flexible filling options

Pharmaceutical and Nutraceutical

"Powder, pellets, granules and tablets can all be filled on the PF1000"

The unique design of the PF1000 allows our clients in the Nutraceutical and pharmaceutical industries the flexibility to fill capsules in many sizes and formats:



Extending your product range!

Powder only:

Smooth filling of loose powders.

Powder / Pellets:

Single or double pellet filling via patented station.

Pellets:

Single or double pellet filling.

Tablets / Microtablets:

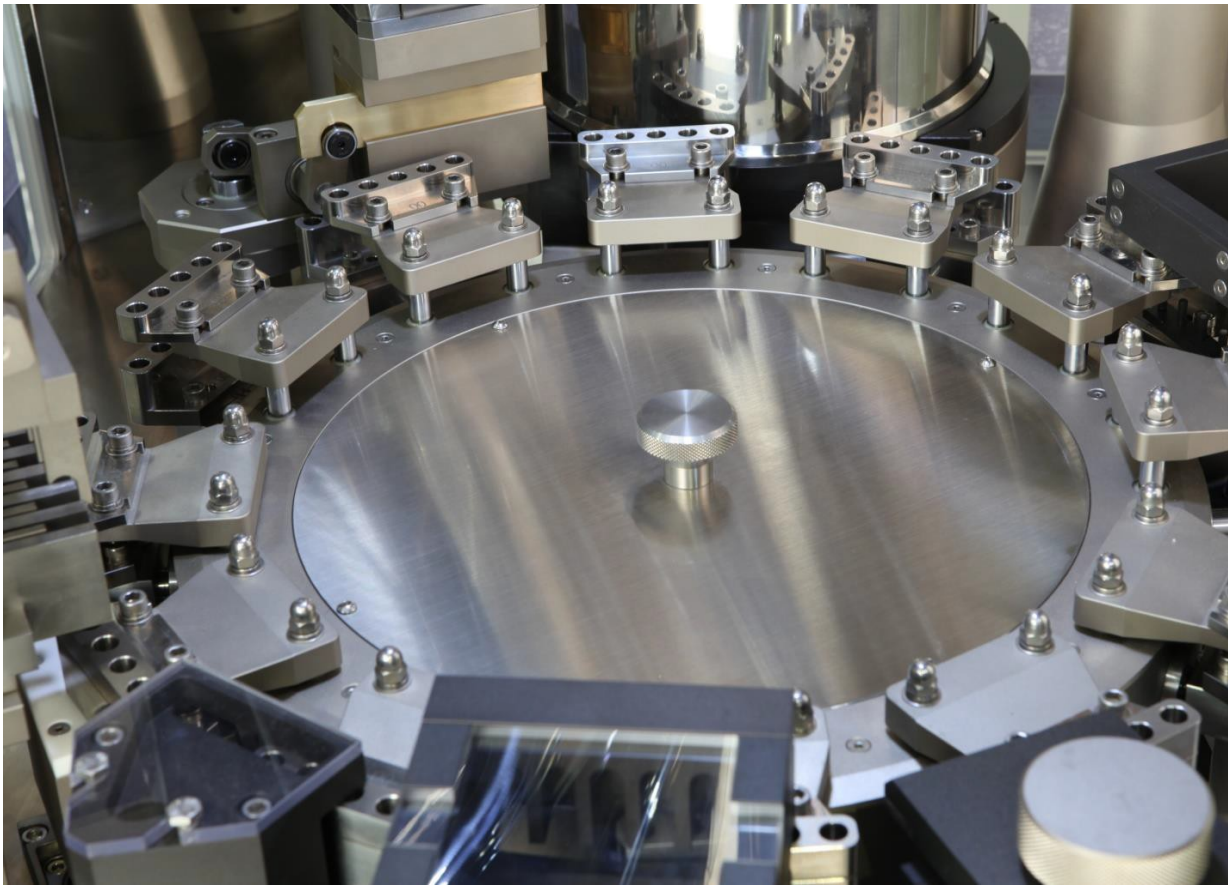
Tablet feed via tablet filling station.

Combinations:

Numerous product combinations are possible on the PF-series thanks to its modular design

Capsule sizes

00,0,1,2,3,4 (option size 000, 5)



Easy Operation

The PF1000 Capsule Filler is an innovative, PLC controlled, high output capsule filling machine with external touch screen enables one-touch operation.

Advanced Software Options:

Reporting and data management software complying to FDA CFR Part 11 is an available option.



- ✓ Short change over times
- ✓ Flexible filling options

Powder Tamping

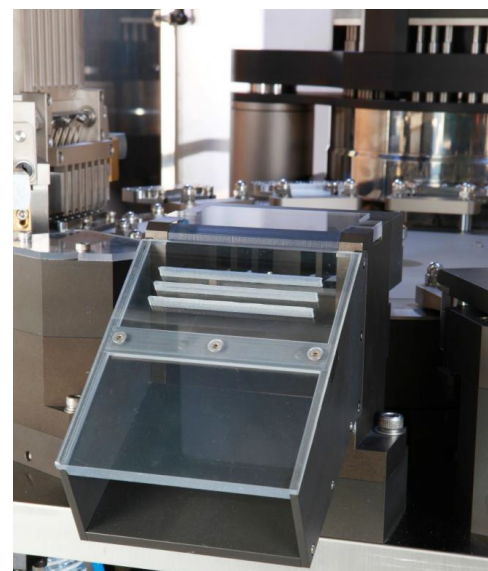
Powder filling is via a six station dosing device using five stations for tamping and the sixth station to transfer the powder slug to the capsule. PTK's new design of powder scraper reduces powder loss and increases weight stability.



Precise capsule separation, filling and discharging and cleaning cycle

The close proximity of stations allows the smooth separation, filling and discharge of capsules. Prior to the final discharge any faulty capsules are automatically ejected from the good capsule stream.

Vacuum extraction points specifically located around the machine provide efficient cleaning of segments and capsules.



Quality control - Faulty Capsules are automatically Ejected prior to final discharge.

Quality changed parts

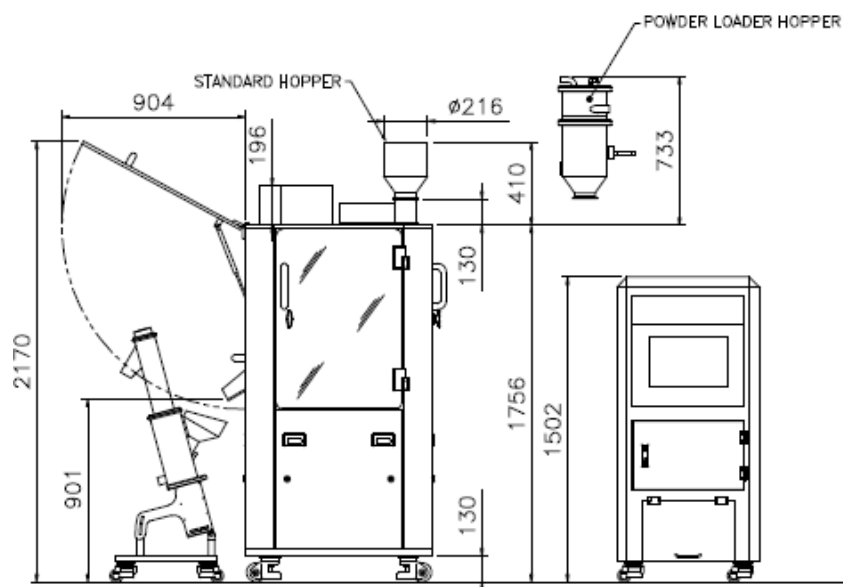
Size changed parts are designed to be easy to clean and change, minimizing the number of parts required. The neatly designed tamping unit gives maximum flexibility with independent tamping adjustments regulated by the ultra-reliable dosing disk system.



Precision engineered change parts.

Technical Specification PF1000

PTK PF-1000 Capsule filler number of segment Holes	1	3	5
Max. output (powder)	8,100 caps/hour	24,300 caps/hour	40,500 caps/hour
Max output (pellet)	4,800 caps/hour	14,400 caps/hour	24,000 caps/hour
Capsule sizes	# 00 0 1 2 3 4		
Additional capsule size option	# 000 5		
Machine cycles (RPM)	up to 135 cycles per min		
Vacuum requirements	6 Bar		
Power supply data	220/380/400/415/460 Vac 3Ph 50/60Hz		
Control power	24Vdc		
Main motor Kw	0.75		
Dimensions	(D x W x H) 950 x 850 x 1750mm		



Options



Automatic Capsule De-Jamming

This device senses if a faulty capsule is not feeding from the capsule hopper into the segment. Air is blown to clear the faulty capsule allowing capsules to refill the capsule channel without the need for operator intervention.



Pellet Filling Device

The pellet device is for filling pellets into hard gelatin capsules. It is designed to minimize weight deviation.



Tablet Filling Device

The tablet filling device uses innovative orientation and separation technology to accurately dispense tablets into Hard Gelatin Capsules. Encapsulation of lone or multiple tablets as well as combinations of tablet/powder/granule are made possible by the addition of this precision device.



Change Parts

The machine can be configured for all capsule sizes with a range of change parts available.



Capsule Loader

Designed to gently elevate the capsules to prevent capsule separation and crushed capsules during loading.



Powder Loader

Vacuum transfer system supplies the powder automatically to the main powder hopper of the machine.



Capsule Polisher

Removes external dust from the finished capsules and transports them upward for discharge into the product container.



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