

Automatic Capsule Filling Machine



Affordable Machines with Advanced Pharmaceutical Technologies

Our quality manufacturing and packaging
machinery supply and turn-key solution.



Company Profile



Pharmaland Technologies is a Toronto-based, Canadian company offering quality, cost-effective and innovative pharmaceutical machinery on a global scale. The company established in 1995 and was one subsidiary company of **Honsons Pharmatech Group**. We proud we own 15000ft² demo workshop in Toronto to help client for verifying machinery performance and real training.

Pharmaland Technologies has a 200,000 ft² manufacturing / assembling center in China. This cGMP plant designed center meets Chinese and international strictest criteria. The product was manufactured by world class precision digital control processing and integrated with international brands key parts.

Our mission is to enable our pharmaceutical clients to **Invest with Confidence and Joy**. At Pharmaland we believe a company is only as good as the people behind it. We provide full services to purchase of solid preparation equipment for pharmaceutical factories based on trail workshop verification. Our team of experts has the tools and expertise to provide more benefits and better value to our customers.

By over a decade of fast development, the company has earned a nice reputation and fame in domestic industry, and still trying hard to build up the famous brand as "Pharmaland Precision Machinery" in fellow companies home and abroad.

Pharmaland capsule fillers provide precision dosing of powders, tablets, or pellets into hard gelatin or gelatin-free capsules and operate at a variety of speeds and outputs, depending on your production needs.

Tablet presses from Pharmaland guarantee high production output, a significant reduction of down times during product change and an important reduction in exposure for the worker.

Pharmaland PSG Series Soft-gel Capsule machine combines state-of-the-art design with the production capacity that is characteristic of our company. Turnkey project can guarantee your investment.

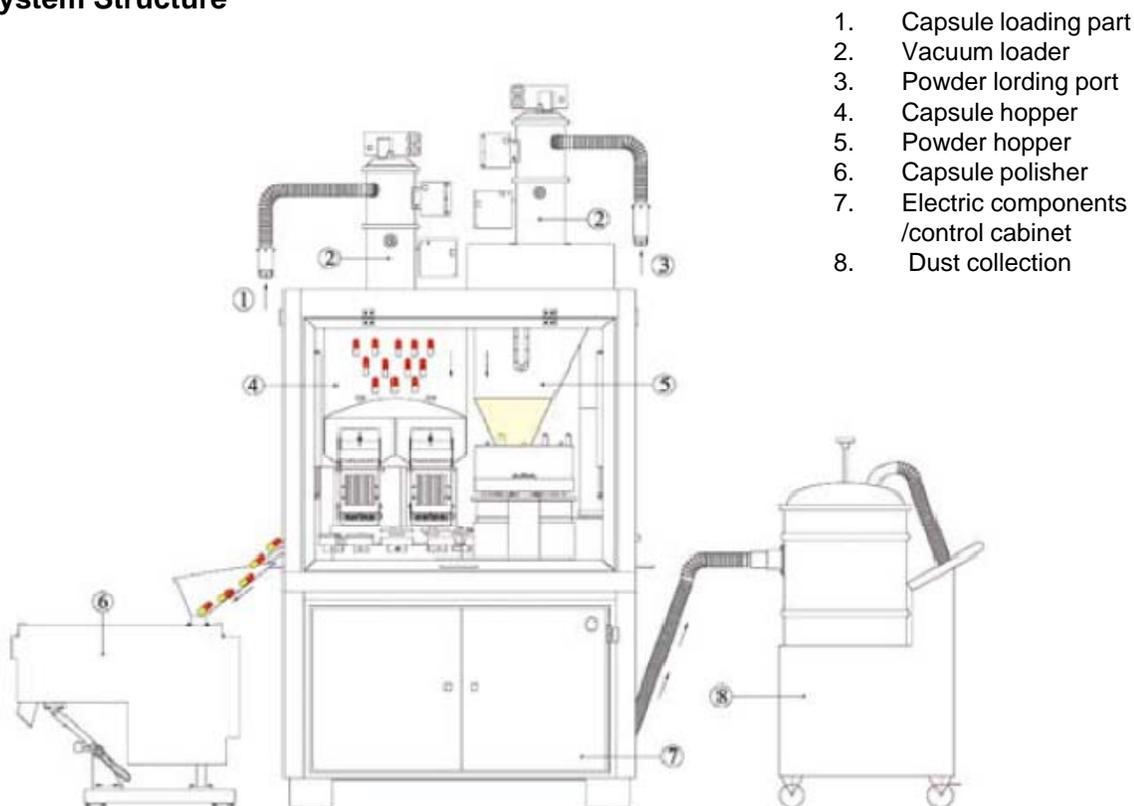
Pharmaland packaging equipment lines provides wide range of processing and packaging applications in the nutraceutical and pharmaceutical industries.



Advantages in Brief

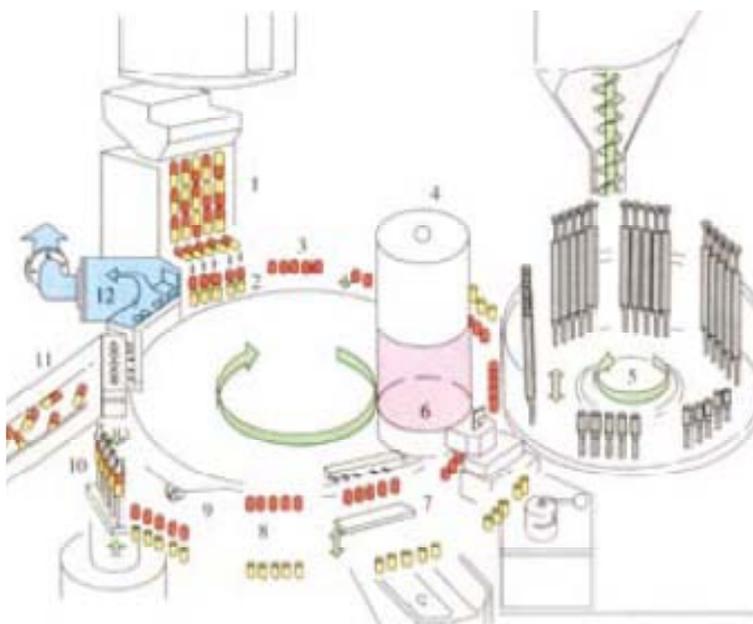
In a precision functional process, the capsules fed pre-locked and non-oriented, are aligned, opened, filled and reclosed. Capsules inserted cap first or non-separated capsules as well as capsules with two caps are recognized and rejected. High filling accuracy is attained by a 5-up tamping procedure with minimal dust occurrence and without loss of product.

System Structure



Filling System

1. Magazine
2. Separate capsule by vacuum
3. Tablets or pellets filling position
4. Pellets hopper
5. Dosage filling
6. Pellet filling
7. Rejecter
8. Reserved work position
9. Reserved work position
10. Capsule Closure
11. Qualified capsule Ejection
12. Clear



Beneficial performance for users

1. Filling structure is handled by modularity, as well as precious design, reliability and low wear and tear.
2. With the function of auto detection when insufficient powder、 insufficient capsules (optional function) and malfunction happens. The machine can alarm and stop running automatically.
3. Electric control system adopts PLC,and velocity modulation Electric parts choose famous trade mark, optional printing production data sheet;
4. Production area and driving area are separated completely. All components are easy to dismantle due to special design. The material used meets pharmaceutical industrial requirements.
5. New model structure, twelve work-position, whole close and intermittent turntable, upper and lower module's one-way movement is very safety, close structure ensures the product avoiding oil pollution completely meets GMP stipulation.
6. Adopt bore filling dosage.
7. Transmission position: adopt high precision graduation structure.



New close model turret



New close model dosage device



Graduation structure



Electric control system

R & D Type Capsule Filling Machine



Standard style

Adopts graduation drive transmission system.
 Small size, low noise, PCF-200A capsule filler is becoming the first choice machine of medium and small scale pharmaceutical factories, hospitals and laboratories etc.

Technical parameters

Data	Model	PCF-200A	PCF-400A
Max output (Capsules/min)		200	400
No. of segment bores		2	3
Suitable capsule size		00#~5#	00#~5#
Filling precision		±3%	±3%
Noise		≤70dB	≤70dB
Total power		5Kw	5Kw
Dimensions (L×W×H) (mm)		800×970×1870	800×970×1870
Net weight (Kg)		850	850

Economic Production Capsule Filling Machine



Standard style

Adopts graduation drive transmission system.
 Small size, low noise
 PLC and touch screen control ,
 operates steadily and reliably

Technical parameters

Data	Model	PCF-800A	PCF-1200A
Max output (Capsules/min)		800	1200
No. of segment bores		7 Single line	9 Single line
Suitable capsule size		00#~5#	00#~5#
Filling precision		±3%	±3%
Noise		≤70dB	≤70dB
Total power		5Kw	5Kw
Dimensions (L×W×H) (mm)		800×970×1870	800×970×1870
Net weight (Kg)		850	850

Medium Duty Capsule Filling Machine



Standard style

High precision transmission system with steady and reliable quality
 Inner cam track control, long extended durability
 Extremely high production output, High Filling precision

Technical parameters

Data	Model	PCF-1200B	PCF-1500B
Max output (Capsules/min)		1200	1500
No. of segment bores		9 Single line	11 Single line
Suitable capsule size		00#~5#	00#~5#
Filling precision		±3%	±3%
Noise		≤78dB	≤78dB
Total power		5.5Kw	5.5Kw
Dimensions (L×W×H)		1200×1250×2000	1310×1280×2000
Net weight (Kg)		1600	1600

Popular Type Capsule Filling Machine



International style

Pellet Attachment available to fill pellets, tablets & granules.
 Cantilever type touch screen, with easy maneuverable operating space
 Dosage precision with dynamic adjustments

Technical parameters

Data	Model	PCF-1200C	PCF-3000C
Max output (Capsules/min)		1200	3000
No. of segment bores		9 Single line	22 Double line
Suitable capsule size		00#~5#	00#~5#
Filling precision		±3%	±3%
Noise		≤78dB	≤78dB
Total power		3.5Kw	7.5Kw
Dimensions (L×W×H) (mm)		1200×1014×2000	1200×1250×2000
Net weight (Kg)		1600	1800

High Duty Capsule Filling Machine



Standard style

High precision transmission system with steady and reliable quality
 Inner cam track control, long extended durability
 Extremely high production output, High Filling precision

Technical parameters

Data \ Model	PCF-2000B	PCF-3000B	PCF-3500B
Max output (Capsules/min)	2000	3000	3500
No. of segment bores	18 Double line	22 Double line	24 Double line
Suitable capsule size	00#~5#	00#~5#	00#~5#
Filling precision	±3%	±3%	±3%
Noise	≤78dB	≤78dB	≤78dB
Total power	7Kw	7.5Kw	7.5Kw
Dimensions (L×W×H) (mm)	1310×1280×2000	1310×1280×2000	1310×1280×2000
Net weight (Kg)	1700	1800	1850

Appendix A



Filling device for pellets (Available for all types)

Fork plate filling device for pellets

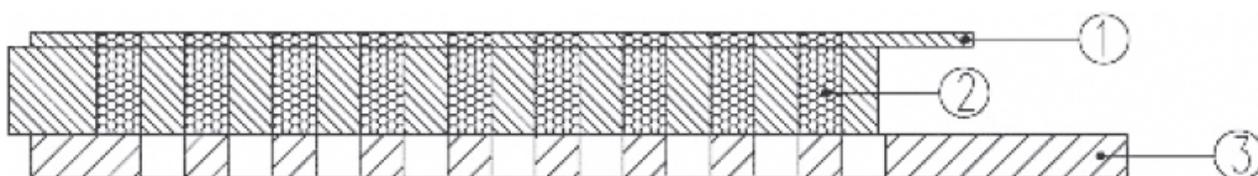
The device adopts special designing which make use of relative motion of components to load powder. It is used for the pellets which require common surface integrity.

The dosing revolving process is as below:

A While the upper door opens and the lower door is closed, the pellets enter into the dosing chamber. B The lower door will opens while the upper door closes, causing the pellets to drop into the capsules under gravity

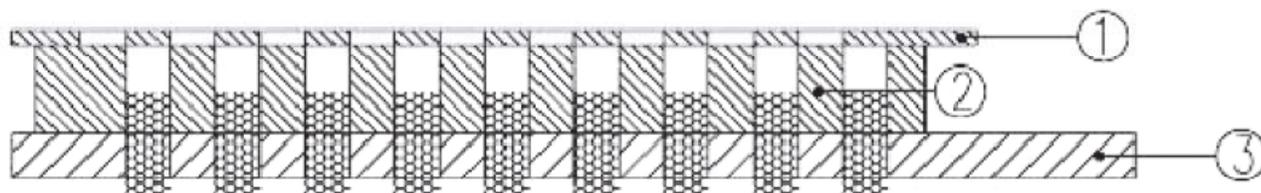
The size of the measuring chamber is adjustable.

A. Dosing



B. Filling

1. Upper Door
2. Dosing chamber
3. Lower door



Appendix B

Filling device for pellets (Available for all types)

Dosage filling device for absorbing micro pellet
The device is specially used for sugarcoated pellets.

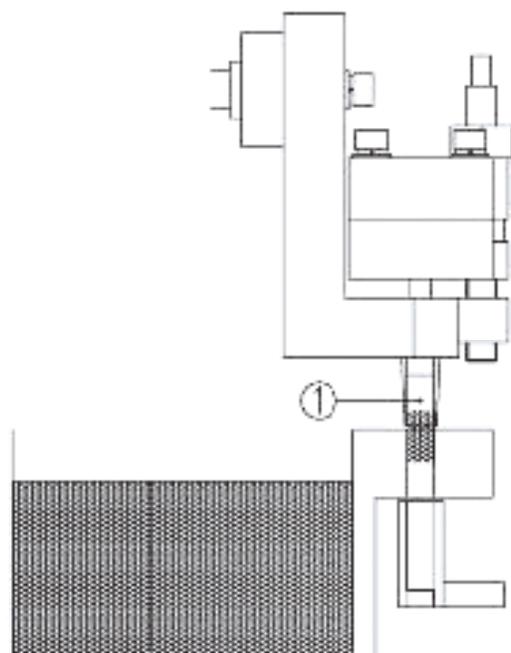
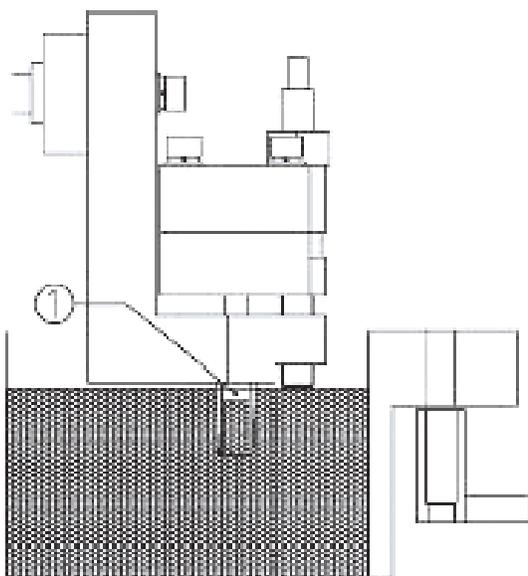
The surface film of sugarcoated pellets will not be damaged by the way of vacuum. Dosage can be adjusted.

The dosing revolving process is as below:

After the tubings enters into the micro-pellet tank, the vacuum starts and begins to absorb the pellets. While the tubings moves towards the top part of the lower segment, the vacuum stops and compressed air outlet is opened, which will blow the pellets into the capsule. The absorbing dosage is adjustable. No damage to the film coating layer on the surface of the product.



A. Tubing



Appendix C



Filling device for tablet (Available for all types)

Dosage Filling Device for tablet

The device can be used for filling 1-3 round tablets with straight diameter into one capsule.

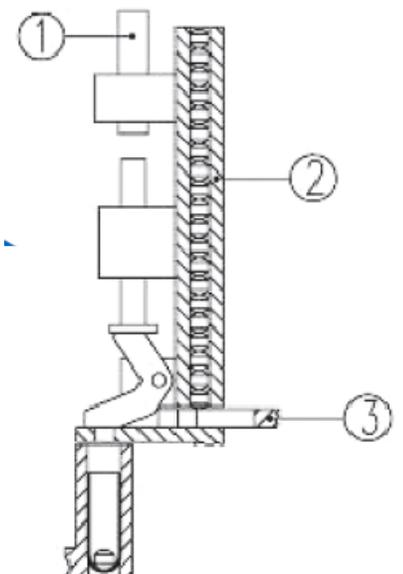
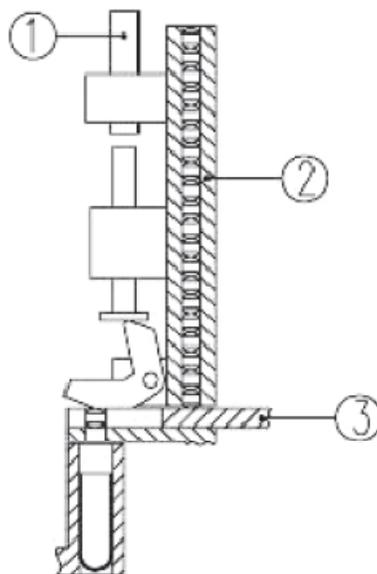
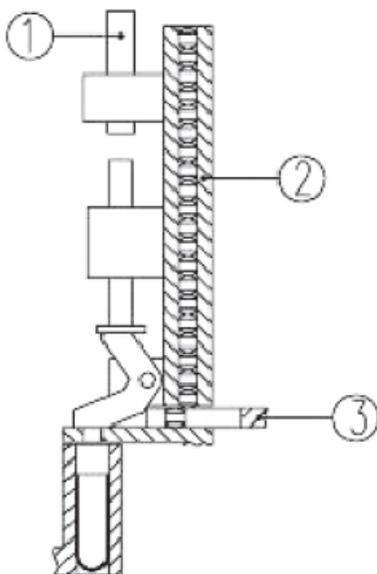
The dosing revolving process is as below:

The tablets are pushed into the capsule through the feed pipe.

The tablets are put into the capsules. filling procedure is monitored by a sensor which detects the existence of tablets in the capsule.

Defective capsules will be rejected automatically.

1. Sensor
2. Feeding Pipe
3. Push Board



Appendix D



Capsule Polisher

Stainless steel material
Meets GMP stipulation

AC motor with frequency conversion
Safety and reliability

Angle of main axis can be adjusted freely

Output: 3000-7000capsules/min

Power: 370W

Dimension: 1150×1250×400mm



Hard Capsule Polisher & Sorter

This is a capsule polisher with function of rejecting substandard capsules. Not only does it polish capsules, but also automatically reject low weight capsule, loose piece and fragments of capsules.

Capacity: 250000 Capsules /hr

Power: 180W, 220V, 50Hz

Dimension: 930×200×940mm

Appendix E



Industrial Dust Collector

This machine is mainly for the pharmaceutical, food, chemical and other industries where dust is generated in the various machine for use, and it's also an ideal cleaning equipment.

Strong dust collecting capability Super-silent design can be used widely and work continuously for a long time

Power: 2.2Kw

Air Flux: 160m³/h

Air Pressure: 24.5KPa

Voltage: 380V

Noise: <75dB(a)

Overall dimension: 720×560×1280mm



Capsule-cutting Machine

This innovative machine can cut hard and soft capsules and separate out powders.

Performance:

run stably, low noise, no shake.

Small power and save energy.

Small size and light weight

Easy to maintenance, clean, operate, assemble and dismantle, no need changeover, widely used.

Good-looking, cost-effective.

product efficiency: 1000caps./min

Power: 60W 220V

Dimension: 270×300×360mm

Weight: 18Kg



Welcome to query other nonstandard specifications from our professional sales staff .The contents may be changed due to market and technology development.