



琦威機械實業有限公司
CHI WAY MACHINERY CO.,LTD.



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CHI WAY MACHINERY CO.,LTD.



製藥・食品
生物科技

整廠設備規劃製造

**PHARMA
&BIOTECH**

Turnkey Equipment
Design & Manufacturing



公司簡介

琦威機械，總公司位於台中市神岡區豐洲路1025巷28號，公司致力於製藥、食品、生技……等的機械設計與製造。琦威機械的工程師在機械的設計與製作已有10多年經驗，並吸取德國工藝經驗，為客戶量身訂做最佳解決方案。琦威仍將致力於本業的再突破，努力研發、設計產品，提供客戶更好的服務經驗。

Company Profile

The Headquarters of Chi Way Machinery Co., Ltd. is located in No. 28, LN. 1025, Fengzhou Rd., Shengang Dist., Taichung City. The company specializes in the machinery design and manufacturing for pharmaceutical, food and biotech industries.

The engineers of Chi Way Machinery Co., Ltd. have more than 10 years of experience in machinery design and manufacturing. The engineers have also absorbed the crafts experience from Germany who can offer the best customized solutions to customers.

Chi Way is committed to the repeated breakthrough, R&D efforts and product design to offer the optimal services and experience to our customers.

經營理念

技術本位、價格彈性

量身訂做、比客戶想更多

一線大廠經驗、產品有保障

本公司致力於研發設計，目前已擁有多項專利設計。

琦威機械自創立以來，一直秉持著客戶至上的原則，為客戶服務，站在客戶的立場去設計每一台操作方便、人性化的機台，並秉持著公正、合理的價錢、專業化的服務，去贏得客戶的信賴。

Management Philosophy

- **Technology oriented , flexible pricing.**
- **Tailored customization , taking one step ahead of customer.**
- **The experience of tier-1 manufacturer , and product with warranty.**
- **Chi Way is committed in R&D design and currently owns multiple patented designs.**

Chi Way has upheld to customer priority since its foundation by offering services to customers from the stance of customer for easy-operation and user-friendly machines, fair and reasonable price, and professional services to gain customers' trust.

產品特色

琦威機械自創立以來，一直努力於開發中草藥的萃取、過濾、儲存、濃縮....等前置作業。粉體部分是專注於開發造粒、乾燥、包衣、混合設備。

本公司設備廣泛運用在食品、生技、製藥、化工....等，廣受好評，除了替一線枇杷膏大廠規劃、生產、裝機外，還有海外整廠規劃經驗。

Product Features

Chi Way has been committed in the development of the preparatory operations of extraction, filtering, storage, and concentration of Chinese herbal medicines since its foundation. The powder section focuses on development of granulator, dryer, coater, and mixers. The company equipment is extensively applied in the pharmaceutical, biotech, food, biotechnology, pharmaceutical, chemical industries with wide recognition. The company not only plans, produces and installs for a major tier-1 Chinese herbal medicine company but also owns the overseas whole-plant planning experience.



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Customized
 - 多管式萃取設備
 - 攪拌式萃取設備
 - 實驗型濃縮機
 - V型混合機
 - U型混合機
 - 液體攪拌混合桶

流動床噴霧造粒乾燥設備（單布管） Fluid Bed Spray Granulator / Dryer (Single Hose Pipe)



特點：

- 廣泛應用在化工、食品、製藥等行業的粉末噴霧造粒及粉末/顆粒之乾燥。
- 完全符合cGMP、PIC/S、GMP的規範。
- 多機一體可配合粉末顆粒乾燥、粉末造粒、微圓粒造粒、微圓粒膜衣。
- 熱風源經由初級過濾及中級過濾再經由高效率過濾，可確實達到入風源之乾淨。
- 溫度可分為高溫型乾燥或利用低溫除濕系統而成為低溫型乾燥。
- 乾燥效率高為一般烘箱速度之10-20倍。
- 風量控制採用比例式自動風門控制。
- 控制系統採用PLC自動控制，由人機介面操控並可讀取所有溫度參數值，或轉檔列印溫度參數值。

Features：

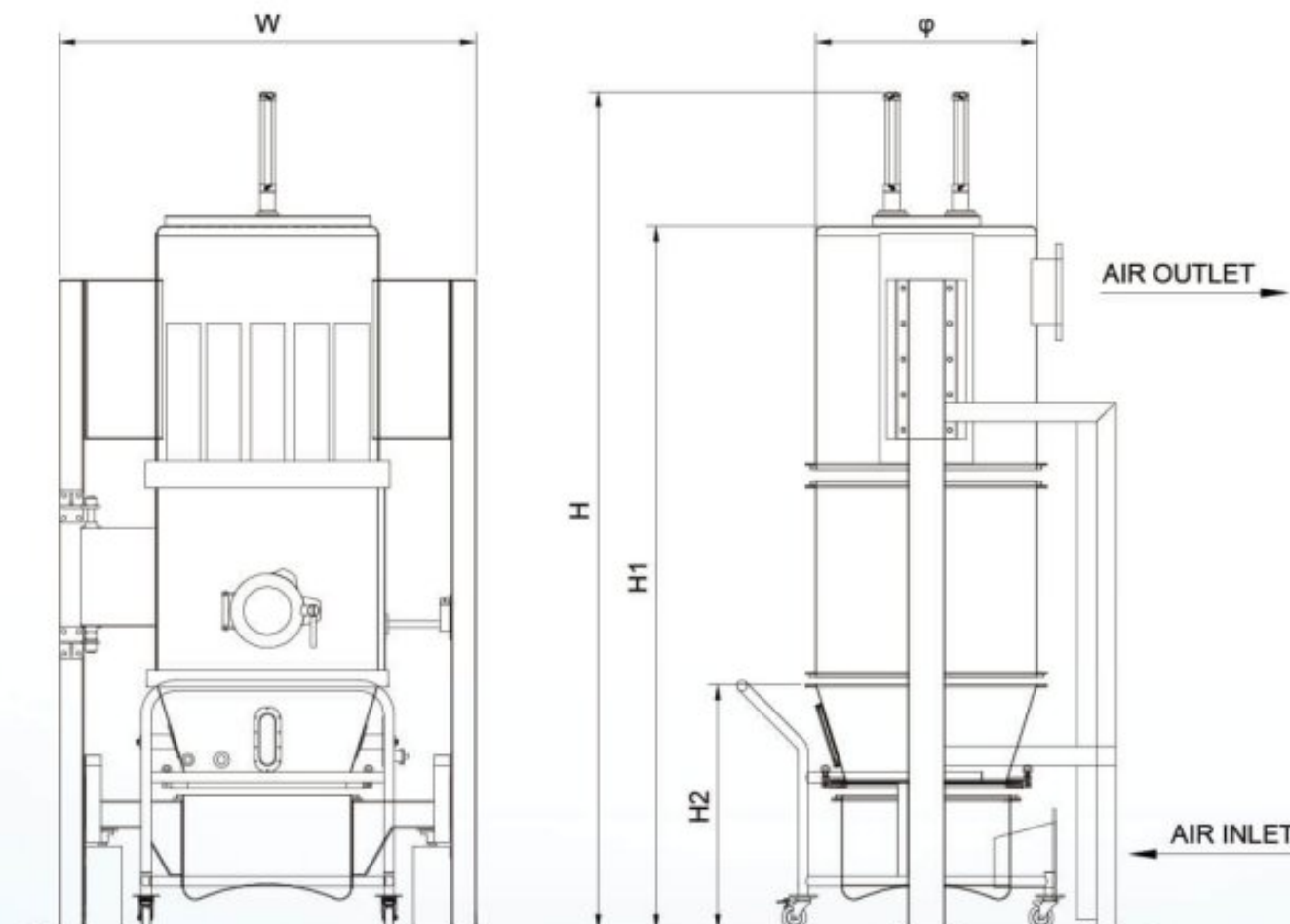
- FBD is widely used in chemical, food and pharmaceutical, for the powder and spray granulate and drying of the powder, particle.
- Follow the regulation of cGMP, PIC/S, GMP.
- It's a multifunctional machine that works for powder particle drying, powder granulating, micro-pellet granulation, micro-pellet film coating.
- The hot air source undergoes preliminary filtering, intermediary filtering and then high-efficiency filtering to thoroughly clean the inlet air source.
- The temperature can be divided into high-temperature drying or low-temperature dehumidifying system and therefore becomes low-temperature drying.
- The drying efficiency is 10~20 times greater than the general oven.
- Air volume control using proportional automatic damper control.
- The control system adopts PLC automated control that can be operated via man-machine interface and read all temperature parameters, or convert files to print the temperature parameters.

料桶Container

傾倒裝置：方便操作員倒料與清潔。
Tilting device: facilitate the operator pouring out and cleaning.

噴槍Spray Gun

三頭噴槍：如果發生阻塞的情況，液體可以通過另外兩個噴嘴，不會對產品有即刻的影響。
Three spray nozzles: in the event of blocking, liquid can through the other two nozzles and will not immediately affect the product.



Specification：

Model CW-FBD	Unit	FBD-50B	FBD-80B	FBD-150B	FBD-200B	FBD-300B
Full Capacity	L	190	251	510	710	1000
Working Capacity	Kg/Batch	30-60	50-110	70-160	120-200	200-300
Blower	Kw	11.25	15	22.5	30	37.5
Steam	Pressure	0.4~0.6				
	Consumption	Kg/h	150	185	250	350
Compressed Air	Pressure	0.4~0.6				
	Consumption	NL/min	1200	1500	2000	3500
Dimensions	W	1700	1800	2250	2350	2500
	H	3450	3600	4000	4200	4400
	H1	2920	3050	3450	3600	3800
	H2	1000	1100	1200	1300	1450
	φ	900	1120	1270	1400	1600

選配：

- 防爆型系統(當使用有機溶劑時)。
- 入風系統可選用除濕裝置。
- 入風系統採用冷熱風混合及PID控制,溫度回應快速準確。
- 風量控制採用比例式自動風門控制。
- 自動清洗裝置。
- 真空入料及真空排料裝置。
- 集塵裝置。

Option：

- Explosion proof system. (when organic solvent is used)
- The de-humidify device of the air inlet system.
- Precise and stable PID temperature control.
- Air volume control using proportional automatic damper control.
- WIP system.
- Vacuum feeding or discharge device.
- Dust collector system.

流動床噴霧造粒乾燥設備 (雙布管) Fluid Bed Spray Granulator / Dryer (Dual Hose Pipe)



特點：

- 工作效率比單布管快約1.5倍，適用於黏稠性噴霧乾燥。
- 廣泛應用在化工、食品、製藥等行業的粉末噴霧造粒及粉末/顆粒之乾燥。
- 完全符合cGMP、PIC/S、GMP的規範。
- 多機一體可配合粉末顆粒乾燥、粉末造粒、微圓粒造粒、微圓粒膜衣。
- 熱風源經由初級過濾及中級過濾再經由高效率過濾，可確實達到入風源之乾淨。
- 溫度可分為高溫型乾燥或利用低溫除濕系統而成為低溫型乾燥。
- 乾燥效率高為一般烘箱速度之10-20倍。
- 風量控制採用比例式自動風門控制。
- 控制系統採用PLC自動控制，由人機介面操控並可讀取所有溫度參數值，或轉檔列印溫度參數值。

Features :

- **The work efficiency is about 1.5 faster than single hose pipe and is applicable to viscous spray drying.**
- FBD is widely used in chemical, food and pharmaceutical, for the powder and spray granulate and drying of the Powder, Particle.
- Follow the regulation of cGMP, PIC/S, GMP.
- It's a multifunctional machine that works for powder particle drying, powder granulating, micro-pellet granulation, micro-pellet film coating.
- The hot air source undergoes preliminary filtering, intermediary filtering and then high-efficiency filtering to thoroughly clean the inlet air source.
- The temperature can be divided into high-temperature drying or low-temperature dehumidifying system and therefore becomes low-temperature drying.
- The drying efficiency is 10~20 times greater than the general oven.
- Air volume control using proportional automatic damper control.
- The control system adopts PLC automated control that can be operated via man-machine interface and read all temperature parameters, or convert files to print the temperature parameters.

料桶Container

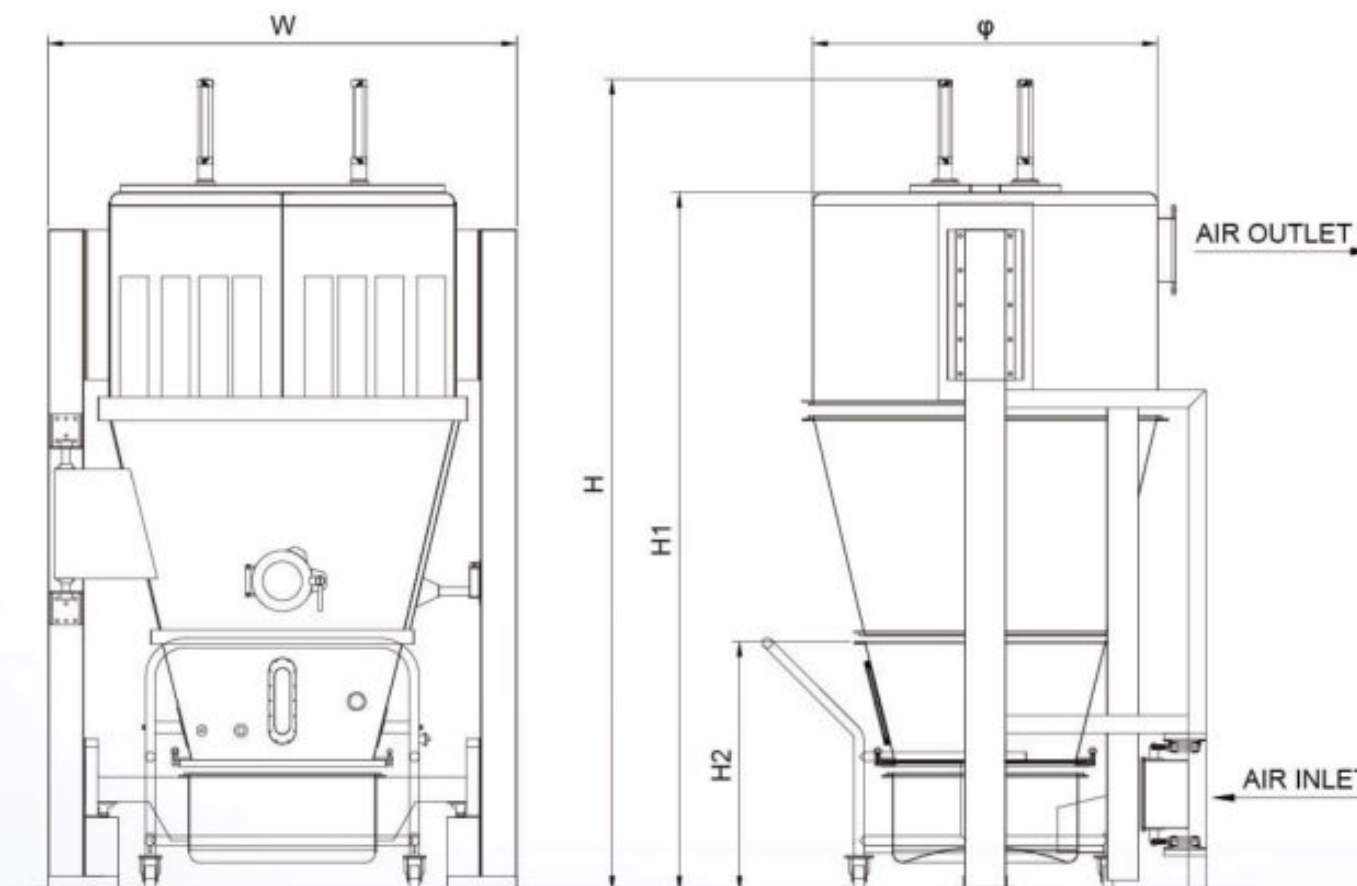
傾倒裝置：方便操作員倒料與清潔。
Tilting device : facilitate the operator pouring out and cleaning.



噴槍Spray Gun

三頭噴槍：如果發生阻塞的情況，液體可以通過另外兩個噴嘴，不會對產品有即刻的影響。

Three spray nozzles : in the event of blocking, liquid can through the other two nozzles and will not immediately affect the product.



Specification :

Model CW-FBD		Unit	FBD-50B	FBD-80B	FBD-150B	FBD-200B	FBD-300B
Full Capacity		L	190	251	510	710	1000
Working Capacity		Kg/Batch	30-60	50-110	70-160	120-200	200-300
Blower		Kw	11.25	15	22.5	30	37.5
Steam	Pressure	Mpa	0.4~0.6				
	Consumption	Kg/h	150	185	250	350	450
Compressed Air	Pressure	Mpa	0.4~0.6				
	Consumption	NL/min	1200	1500	2000	3500	3500
Dimensions	W	mm	1700	1800	2350	2450	3000
	H		3450	3600	4100	4600	5250
	H1		2920	3100	3550	3950	4500
	H2		1000	1100	1250	1350	1530
	φ		1150	1250	1725	1800	2100

選配：

- 防爆型系統(當使用有機溶劑時)。
- 入風系統可選用除濕裝置。
- 入風系統採用冷熱風混合及PID控制,溫度回應快速準確。
- 風量控制採用比例式自動風門控制。
- 自動清洗裝置。
- 真空入料及真空排料裝置。
- 集塵裝置。

Option :

- Explosion proof system. (If organic solvent is used)
- The de-humidify device of the air inlet system.
- The air inlet system adopts the cold and hot air to mix together which controlled by PID, the temperature is responded rapidly and accurately.
- Air volume control using proportional automatic damper control.
- WIP system.
- Vacuum feeding and discharge device.
- Dust collector system.

流動床噴霧造粒乾燥設備（實驗型） Fluid Bed Spray Granulator / Dryer (Experimental Type)



圓粒桶 Pellet barrel



粉體桶 Powder barrel

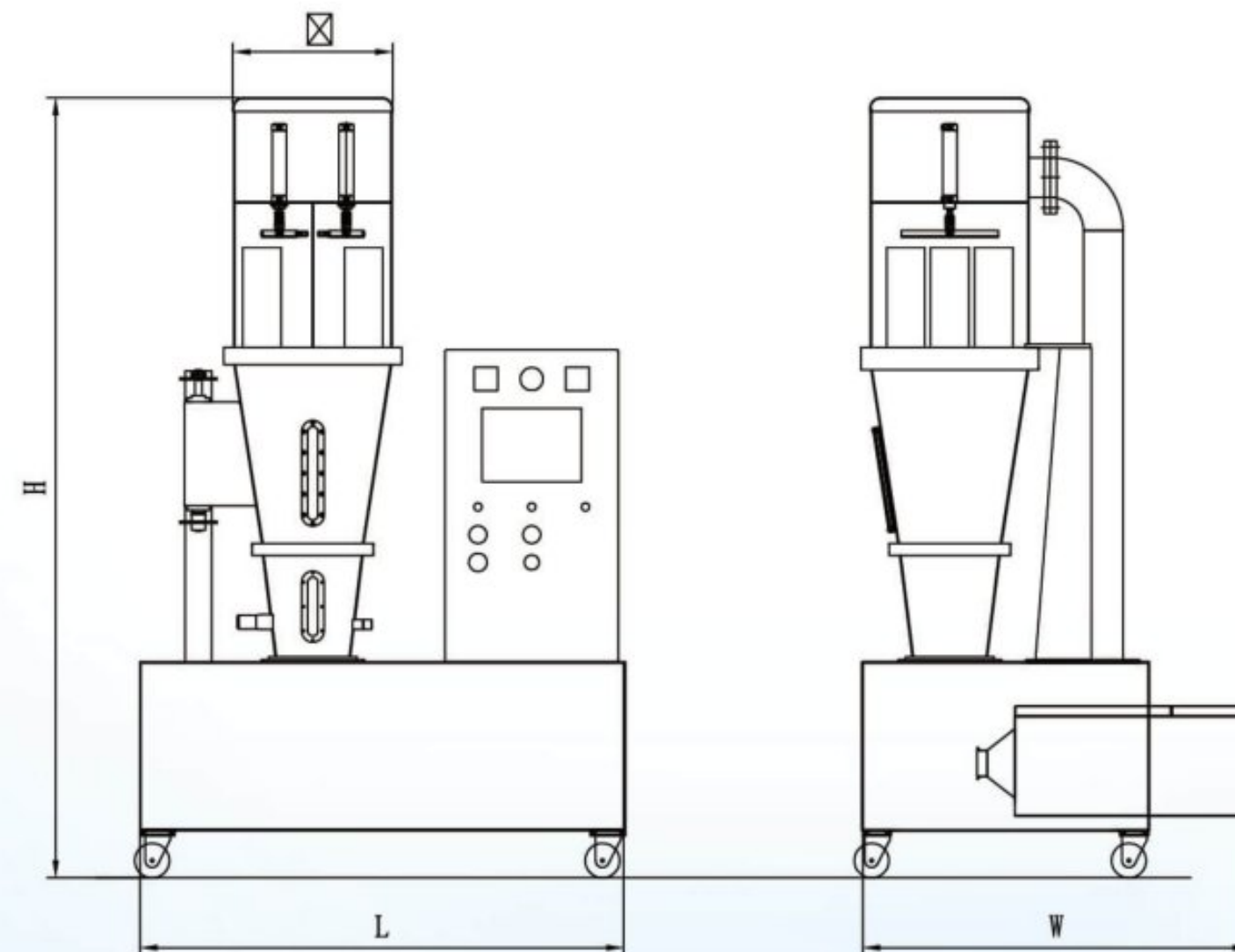


特點：

- 廣泛應用在化工、食品、製藥等行業的粉末噴霧造粒及粉末/顆粒之乾燥。
- 完全符合cGMP、PIC/S、GMP的規範。
- 多機一體可配合粉末顆粒乾燥、粉末造粒、微圓粒造粒、微圓粒膜衣。
- 熱風源經由初級過濾及中級過濾再經由高效率過濾，可確實達到入風源之乾淨。
- 溫度可分為高溫型乾燥或利用低溫除濕系統而成為低溫型乾燥。
- 乾燥效率高為一般烘箱速度之10-20倍。
- 風量控制採用比例式自動風門控制。
- 控制系統採用PLC自動控制，由人機介面操控並可讀取所有溫度參數值，或轉檔列印溫度參數值。

Features :

- FBD is widely used in chemical, food and pharmaceutical, for the powder and spray granulate and drying of the Powder, Particle.
- Follow the regulation of cGMP, PIC/S, GMP.
- It's a multifunctional machine that works for powder particle drying, powder granulating, micro-pellet granulation, micro-pellet film coating.
- The hot air source undergoes preliminary filtering, intermediary filtering and then high-efficiency filtering to thoroughly clean the inlet air source.
- The temperature can be divided into high-temperature drying or low-temperature dehumidifying system and therefore becomes low-temperature drying.
- The drying efficiency is 10~20 times greater than the general oven.
- Air volume control using proportional automatic damper control.
- The control system adopts PLC automated control that can be operated via man-machine interface and read all temperature parameters, or convert files to print the temperature parameters.



Specification :

Model	Unit	FBD-02B	FBD-05B
Full Capacity	L	10	15
Working Capacity	Kg/Batch	1~3	3~5
Blower	Kw	2.25	3.75
Electric Heater	Kw	7	9
Compressed Air	Pressure	0.4~0.6	
	Consumption	1000	
Dimensions	W	1120	1120
	H	2100	2250
	L	1400	1400
	φ	406	457

快速混合造粒機 Super Mixer

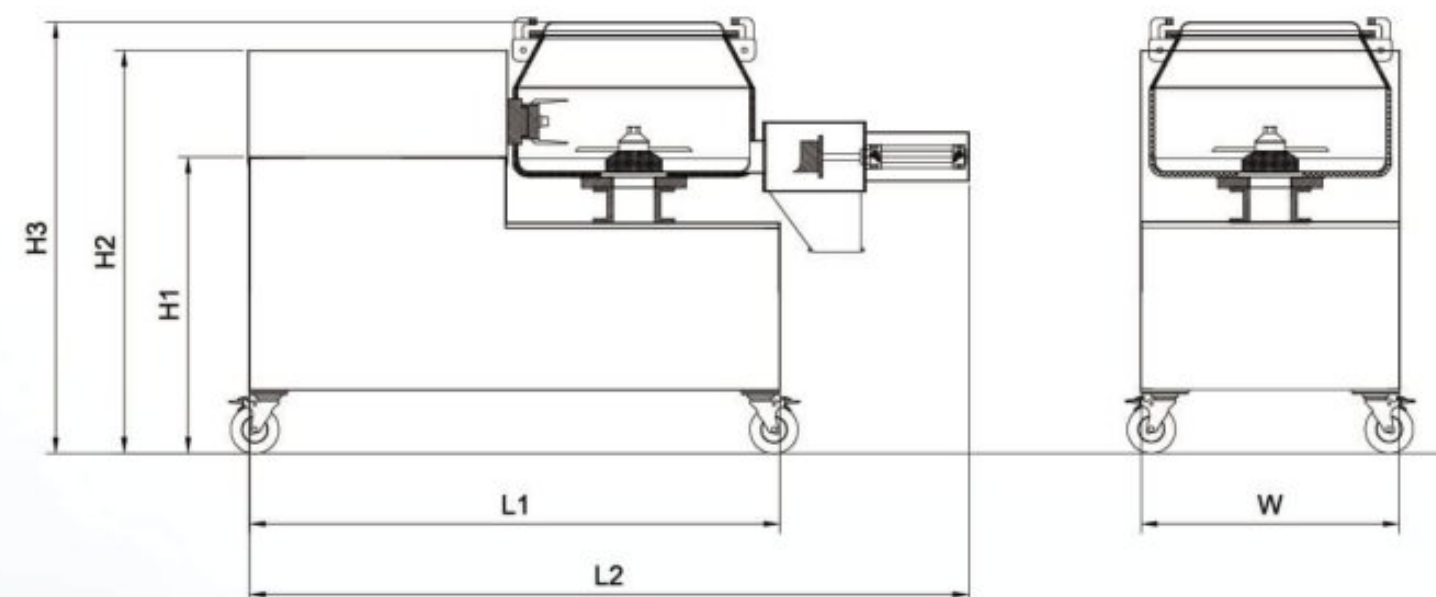


特點：

- 應用在製藥、食品、化工之混合與造粒。
- 符合cGMP、PIC/S、GMP的規範。
- 混合均勻度高、混合物比例懸殊也可輕易混合均勻。
- 混和造粒時間短、效率高。
- 特殊設計之空氣軸封，且壓縮空氣經過一只精密過濾器，形成保護氣室，可有效防止運轉中粉末掉入主軸與切刀的轉軸，而產生污染。
- 混合葉片與桶底間隙小、約1mm之間、沒有死角、殘留少。
- 控制系統可採用PLC搭配人機介面控制，可依原料特性或特殊製程要求，輸入多組不同製程參數；當條件設定後，即可作全自動的全程控制。

Features：

- Super Mixer is used in pharmaceutical, food and Chemical for the powder and granulation.
- Follow the regulation of cGMP, PIC/S, GMP.
- High uniformity of mixing, Even with big difference of density of mixture can mix uniformly.
- Short time, high efficiency.
- Unique design of the air seal, the filtered compressed air is introduced into the air seal system. It prevents the powder from falling into shaft and chopper, which may pollute the product.
- The clearance between agitator and the bottom of mixing bowl is only about 1 mm, no dead angles, less residue.
- Can in accordance with raw materials characteristic or special process requirements, it can input many different group of process parameter; After the conditions are all set up, it can do full-automatic procedure control.



Specification：

Model	Unit	CH-SM-100	CH-SM-150	CH-SM-300	CH-SM-600	CH-SM-1000
Full Capacity	L	100	150	300	600	1000
Working Temperature	L	40	60	120	240	400
Main Drive	Kw	5.5	7.5	11	22	37
Main Drive	Rpm	175	175	175	100	80
Chopper Drive	Kw	2.2	3.75	5.5	11	18.5
Chopper Drive	Rpm	3000				
Compressed Air Pressure	Mpa	0.2~0.4				
Dimensions	W	930	930			
	H1	1250	1250			
	H2	1350	1350			
	H3	1650	1650			
	L1	2300	2300			
	L2	800	800			

膜衣機 Coating Machine

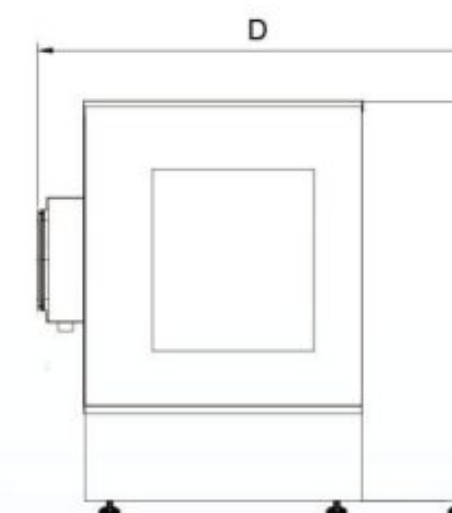
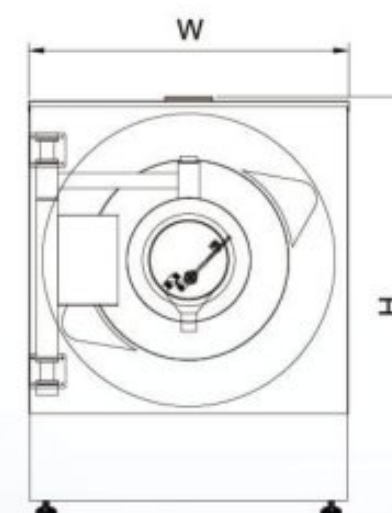
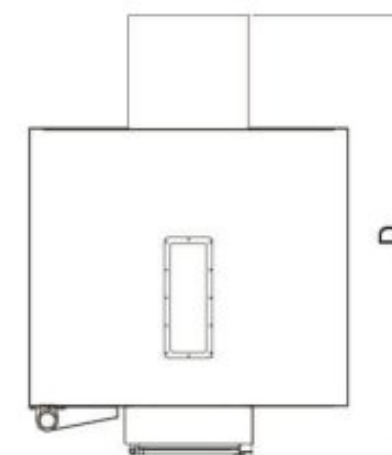


特點：

- 適用於藥品、食品、種子之膜衣。
- 符合cGMP、PIC/S、GMP的要求。
- 該設備包攬過程中機體處全封閉、負壓乾燥狀態下一次完成。
- 膜衣鍋為透氣式設計，乾燥效率高。
- 操作過程全部數據化，人員訓練容易。
- 特殊鍋體及擋板設計，無銳角無死角，著色均勻，重量偏差小，包攬速度快，製程簡單，時間短，效益高，外表亮麗。
- 控制系統採用PLC搭配人機介面控制，可依原料特性或特殊製程要求，輸入多組不同製程參數。

Features：

- Film Coating is used in Pharmaceutical, Food, Seed coating.
- Follow the regulation of cGMP, PIC/S, GMP.
- It's completed under full-closure and negative pressure drying during the coating process.
- Punched hole of a coating pan design, high drying efficiency.
- The process of operation is all digitized, easy for training operator.
- The special bowl and baffle are designed without sharp angles or dead corners to apply even coloring with small weight deviation, features high coating speed, simple processing, short time, high efficiency, and polishing shiny.
- Can in accordance with raw materials characteristic or special process requirements, it can input many different group of process parameter; After the conditions are all set up, it can do full-automatic procedure control.



Specification：

Model CW-COT	Unit	COT-50	COT-100	COT-150	COT-200	COT-300
Capacity (BD=0.8)	Kg/Batch	48	100	144	200	300
Working Capacity	L	60	125	180	250	375
Pan Speed	Rpm	10~30	10~20	10~20	5~15	5~15
Pan Diameter	mm	1000	1200	1400	1500	1600
Pan Drive Motor	HP	3	5	5	7.5	10
Blower	Kw	3.75	5.5	7.5	7.5	11
Steam	Pressure	Mpa				
	Consumption	Kg/h				
Dimensions	W	1600	1800	2000	2000	2200
	D	2200	2200	2500	2500	2650
	H	2100	2100	2400	2400	2550

選配：

- 防爆型系統(如使用有機溶劑時)。
- 除溼裝置/加濕裝置。
- 入風系統採用冷熱風混合及PID控制、溫度回應快速準確。
- 風量計/壓力計/壓差計。
- 自動清洗裝置。
- 自動出料裝置。
- 集塵裝置。

Option：

- Explosion proof system. (If organic solvent is used)
- Dehumidifier device / humidifier device.
- The air inlet system adopts the cold and hot air to mix together which controlled by PID, the temperature is responded rapidly and accurately.
- Air flow meter/manometer/differential pressure gage.
- WIP system.
- Automatic discharge device.
- Dust collector system.

膜衣機(實驗型) Coating Machine(Experimental Type)

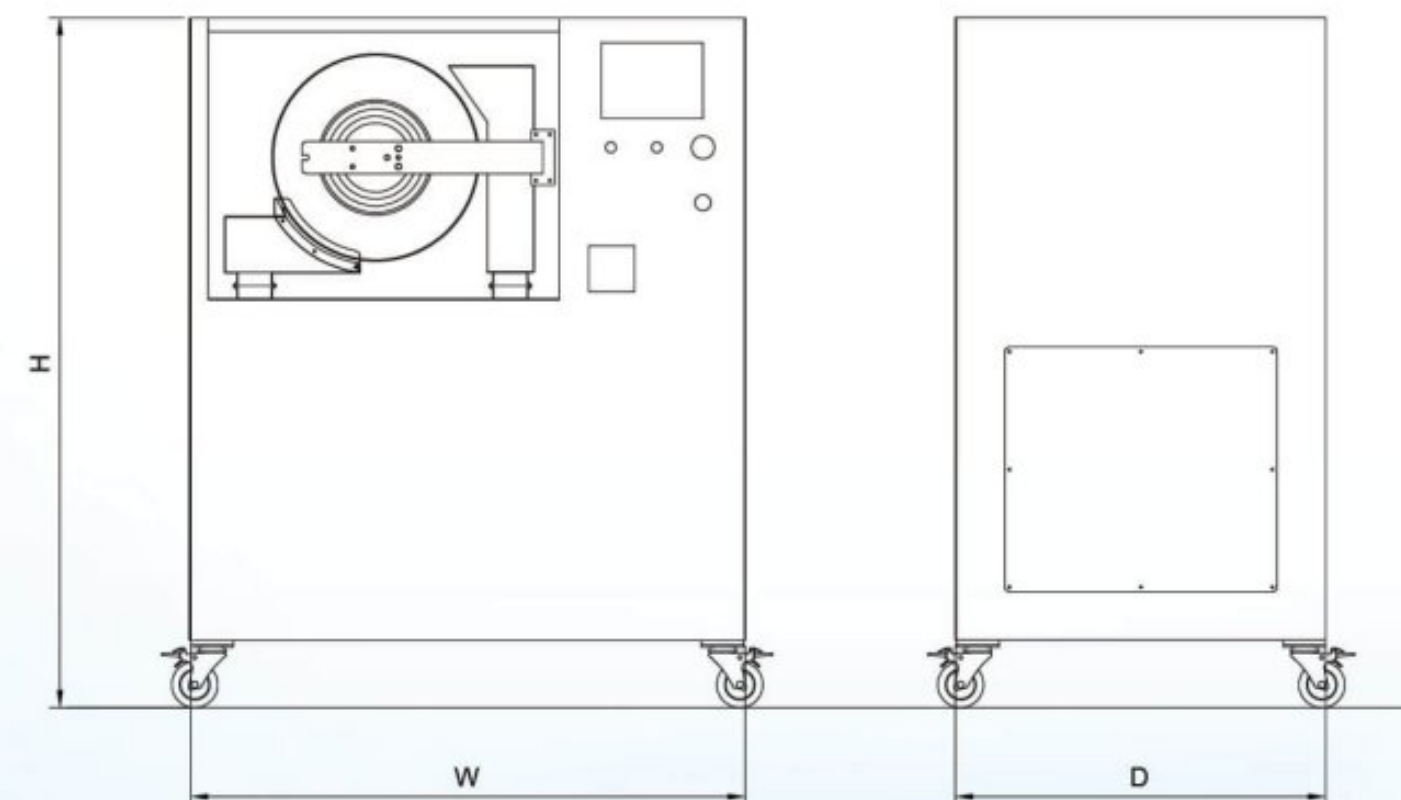


特點：

- 適用於藥品、食品、種子之膜衣。
- 符合cGMP、PIC/S、GMP的要求。
- 該設備包覆過程中機體處全封閉、負壓乾燥狀態下一次完成。
- 膜衣鍋為透氣式設計，乾燥效率高。
- 操作過程全部數據化，人員訓練容易。
- 特殊鍋體及擋板設計，無銳角無死角、著色均勻、重量偏差小、包覆速度快、製程簡單、時間短、效益高、外表亮麗。
- 控制系統採用PLC搭配人機介面控制，可依原料特性或特殊製程要求，輸入多組不同製程參數。

Features：

- Film Coating is used in Pharmaceutical, Food, Seed coating.
- Follow the regulation of cGMP, PIC/S, GMP.
- It's completed under full-closure and negative pressure drying during the coating process.
- Punched hole of a coating pan design, high drying efficiency.
- The process of operation is all digitized, easy for training operator.
- The special bowl and baffle are designed without sharp angles or dead corners to apply even coloring with small weight deviation, features high coating speed, simple processing, short time, high efficiency, and polishing shiny.
- Can in accordance with raw materials characteristic or special process requirements, it can input many different group of process parameter; After the conditions are all set up, it can do full-automatic procedure control.



Specification：

Model CW-COT		Unit	COT-03	COT-05
Working Capacity		Kg/Batch	2~3	3~5
Heater		Kw	7	7
Pan Speed		Rpm	10~30	10~30
Pan Drive Motor		Kw	0.375	0.375
Pan Diameter		mm	450	450
Blower		Kw	2.25	2.25
Weight	Pressure	Kg	200	200
	W	mm	1200	1200
	D		800	800
Dimensions		H	1500	1500

混合機系列 Mixer series

錐型混合機 (Cone Mixer)



V型混合機 (V-shaped Mixer)



U型混合機 (U-shaped Mixer)

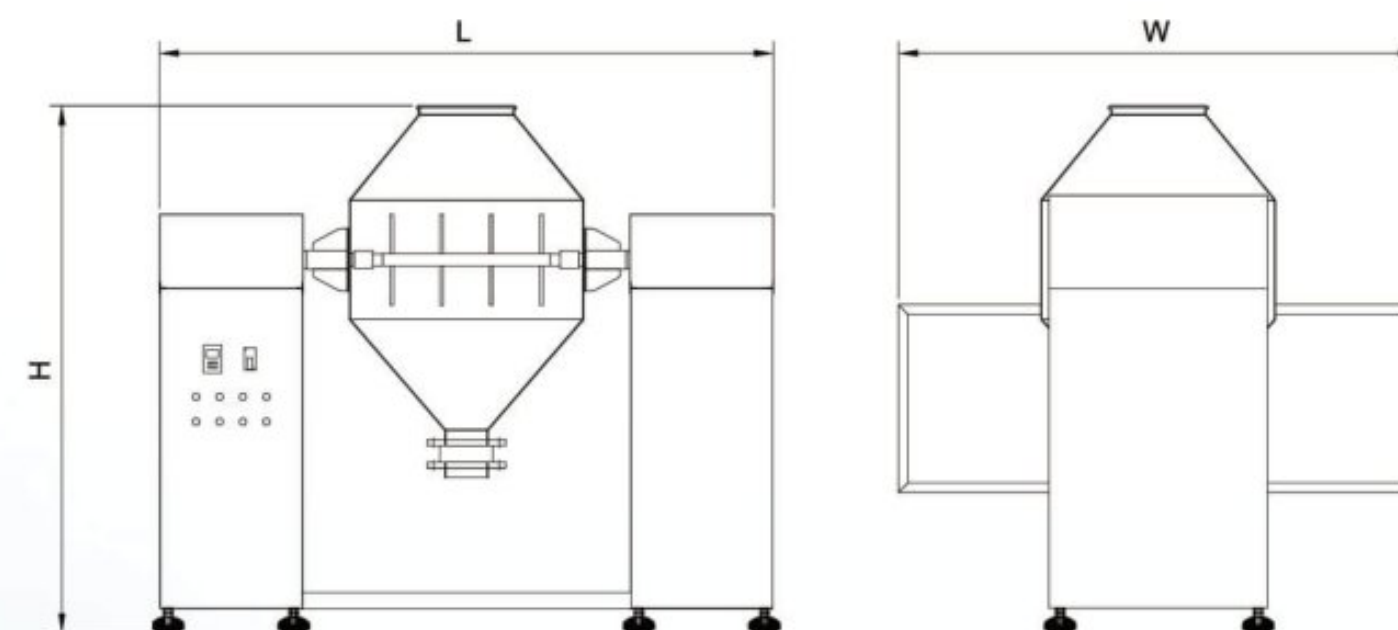


特點：

- 適用於藥品、保健食品、飼料、染料、調味料、化工原料等各種 粉末、顆粒、添加物、黏合劑、香料等之混合工程。
- 符合cGMP、PIC/S、GMP的要求。
- 混合均勻。
- 構造簡單。
- 清洗方便。
- 速度快無死角。
- 混合比可達1/10,000。
- 附安全欄杆及安全裝置。

Features :

- For pharmaceutical, health food, feed, dye, seasoning, chemical raw material and other powder, granule, additive, binder, spice and other mixed projects.
- Follow the regulation of cGMP, PIC/S, GMP.
- Mixing evenly.
- Simple structure.
- Easy to clean.
- Fast speed without dead angles.
- Mixing ratio up to 1 / 10,000.
- With safety railings and safety device.



Specification :

Model CW-MIG		Unit	MIG-50	MIG-100	MIG-200	MIG-300	MIG-500
Full Capacity		L	50	100	200	300	500
Working Batch(Assuming 0.5g/c.c)		Kg	25	50	100	150	250
Discharge Height		mm	150	250	250	300	300
Discharge		mm	76	100	127	140	140
Motor		Kw	1.5	2.25	2.25	3.75	3.75
R.P.M			60	60	60	60	60
Dimensions	W	mm	1600	1800	2000	2000	2200
	H		1200	1300	1700	1700	1900
	H1		1600	1600	1700	1700	1800

萃取設備 Extraction Equipment

↓ Automatically open/close lid
Extraction Equipment



Traditional Extraction
Equipment

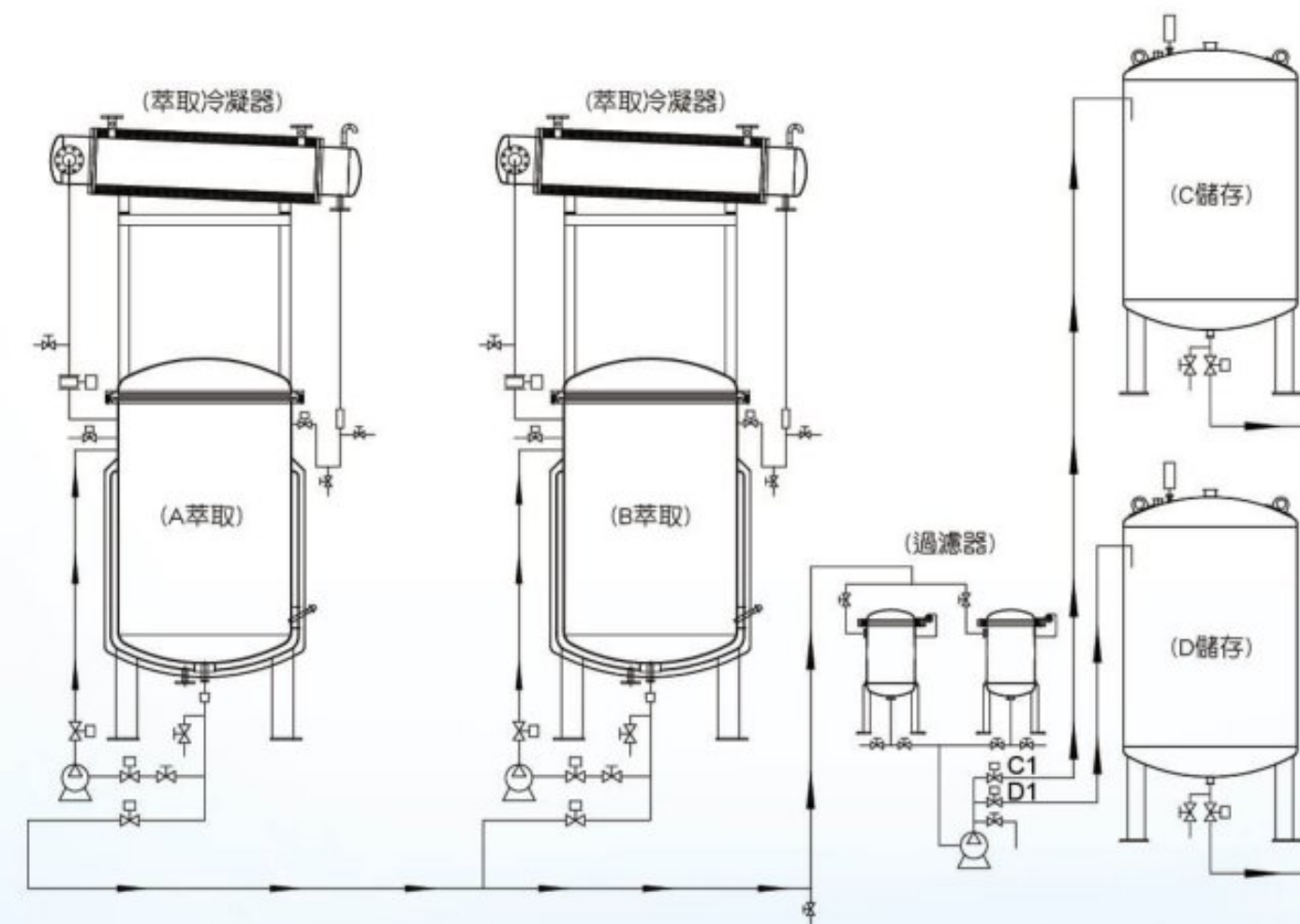


特點：

- 適用於科學中草藥、茶、咖啡、保健食品的提取。
- 符合cGMP、PIC/S、GMP的要求。
- 將藥材放入藥籃內，利用吊車升降作業，操作簡易。
- 利用自動化控制，萃取過程時間與溫度控制皆可由系統內得知，無需人員長時間監控。
- 萃取槽後方的冷凝器可將煎煮過程中的酒精溶劑與精油成份確實回收不外漏。
- 自動開蓋、鎖蓋，不需用人力去一個一個拴緊。
- 自動鎖蓋時以齒狀緊緊咬合，具有防爆性，儘管成本高昂，但更能確保人員的安全。
- 屬於壓力容器的規範。

Features :

- Extraction Equipment is used in extraction of Chinese herbal medicine, tea, coffee, Health food.
- Follow the regulation of cGMP, PIC/S, GMP.
- Place the herbal medicine into the basket and use the crane for easy ascending and descending operations.
- Automated control can help one understand the time of extraction process and temperature control, which can be obtained from the control system.
- The condenser behind the Extraction Tank can recycle the alcoholic solvent and essential oil from the cooking process.
- High condensing efficiency, available uses circulating cooling water, doesn't need to use ice machine, can according to customer's demand.
- Automatically open and close the lid, no need for man to lock the lid one by one.
- In the process of locking the lid, the lid is tightly engaged with serrated teeth shape, with explosion-proof, despite high cost, but more to ensure safety of personnel.
- Specification for pressure vessels.



Specification :

Model CW-ET	Unit	ET-500	ET-1000	ET-3000	ET-6000
Full Capacity	L	500	1000	3000	6000
Working Temperature	Kg/Batch	400	850	2500	5000
Temperature	°C	100	100	100	100
Power	Kw	3	3	3.75	3.75

真空低溫濃縮設備

Vacuum Low-Temperature Concentration Equipment

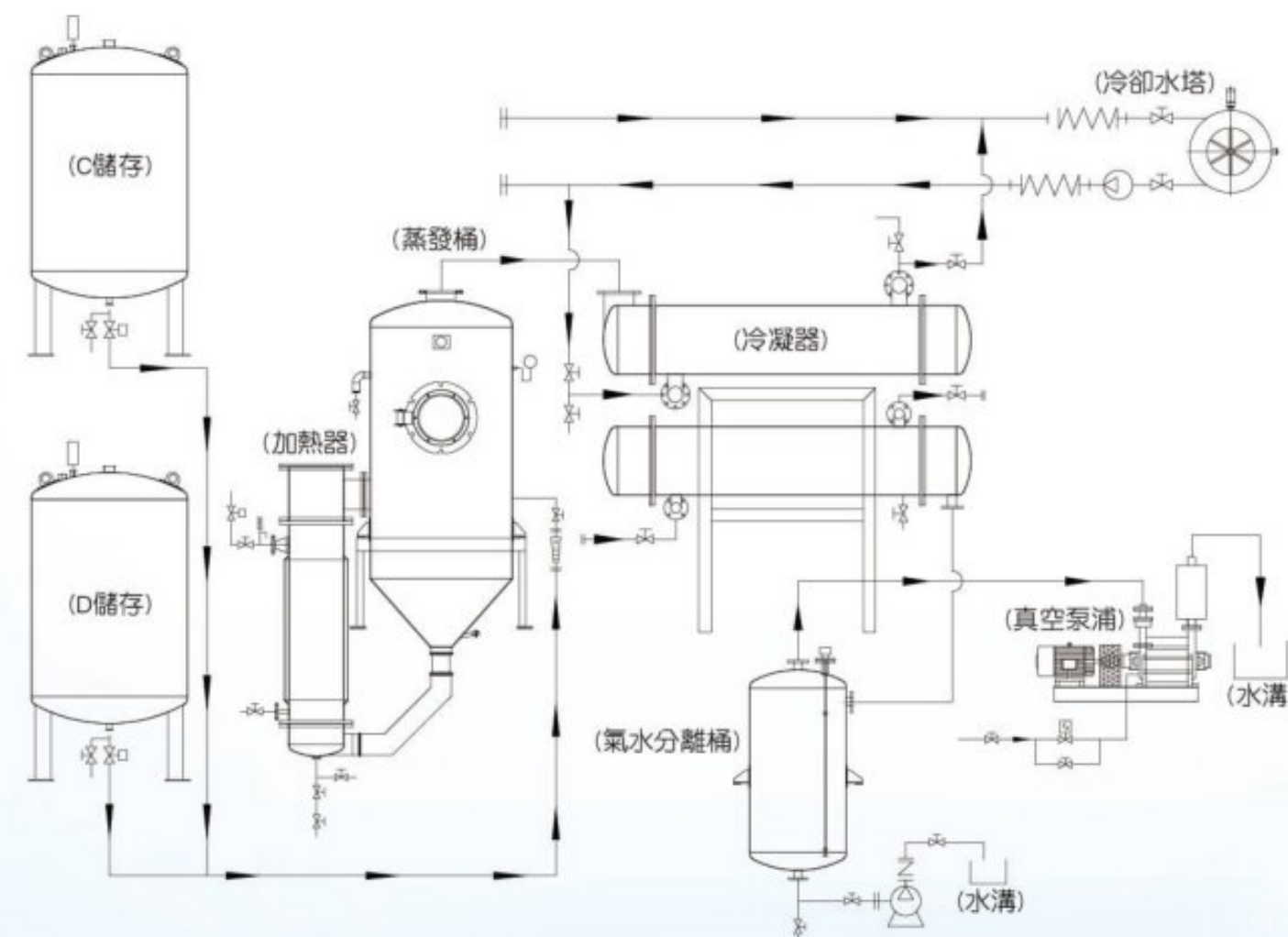


特點：

- 適用於科學中草藥、茶、咖啡、保健食品的提取後之濃縮。
- 符合cGMP、PIC/S、GMP的要求。
- 升膜式蒸發器：適用於產能大的生產工廠。
- 裝有溫度偵測器。
- 加熱器內管採用無縫鋼管，管徑內部均為拋光。
- 本機採用新型人機介面操控，觸摸式螢幕，操作簡便，可記憶多組模式。
- 熱交換器：全部採用衛生管製造。
- 冷凝效率高，可用循環冷卻水，不需使用冰水機，可依客戶的需求作選擇。
- 真空泵浦馬力小，就能達到高真空度，節省能源。
- 低溫濃縮：45~60°C。
- 真空度可達到-650~720mmHg。
- 濃縮過程中，水及酒精皆可回收，其中酒精之回收率高達80%以上，可降低成本。

Features :

- Concentration Equipment is for concentration after extraction of Chinese herbal medicine, tea, coffee, Health food, and biotechnology.
- Follow the regulation of cGMP, PIC/S, GMP.
- Rising membrane evaporator is suitable for mass production.
- Equipped with temperature detector.
- The inner tube of the heater is made of seamless steel pipe, and the inner diameter of the pipe is polished.
- The machine uses a new man-machine interface control, touch screen, easy to operate, multi-mode memory can be modeled.
- Heat exchanger: all made of sanitary pipe.
- High condensing efficiency, available circulating cooling water, doesn't need to use ice machine, can according to customer's demand.
- Small horsepower to achieve high vacuum level, can save more energy.
- Low temperature concentration: 45 ~ 60°C.
- The vacuum level can reach -650 ~ 720mm Hg.
- In the process of concentration, water and alcohol can be recovered, alcohol recovery rate as high as 80%, can reduce costs.



Specification :

Model CW-VLT	Unit	VLT-150	VLT-300	VLT-500	VLT-1000	VLT-1500
Working Temperature	Kg/Batch	45~60°C	45~60°C	45~60°C	45~60°C	45~60°C
Steam Pressure	Kg/cm ²	150	300	500	1000	1500
Evaporation Capacity	L/hr	150	300	500	1000	1500
Temperature	°C	45~50	45~50	45~50	45~50	45~50
Power	Kw	5.25	9	9	13.5	17.25

多管式萃取設備 (Multi-tube extraction Equipment)



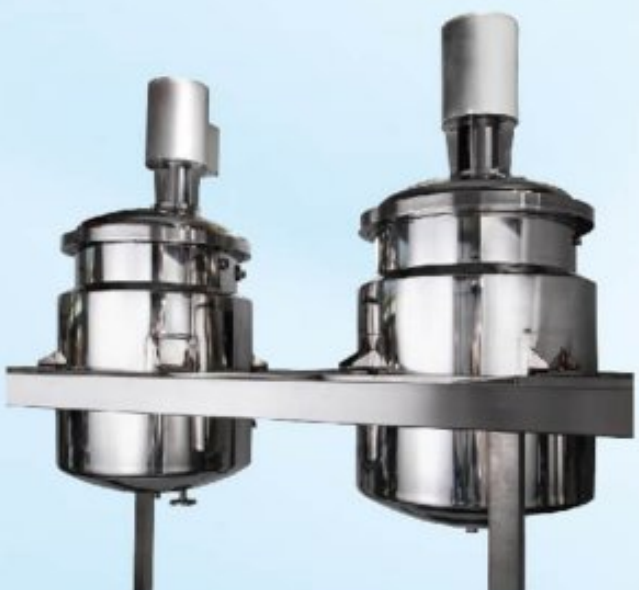
特點：

- 適用於茶萃取與咖啡萃取的設備。
- 利用壓力壓榨提取兒茶素，咖啡萃取液。

Features :

- This equipment is suitable for tea extraction and coffee extraction.
- Using pressure to extract polyphenols and coffee extracts.

攪拌式萃取設備 (The Agitating Type of Extraction Equipment)



特點：

- 適用於混合加熱，與分解酵素，可自動清洗與自動控制系統。
- 若使用酒精，可加防爆裝置。

Features :

- Suitable for mixed heating, decomposing enzymes, automatic cleaning and automatic control system.
- If the solvent is alcohol, the explosion-proof system can be added.

實驗型濃縮機 (Vacuum Low-temperature Concentration Equipment-Experimental Type)



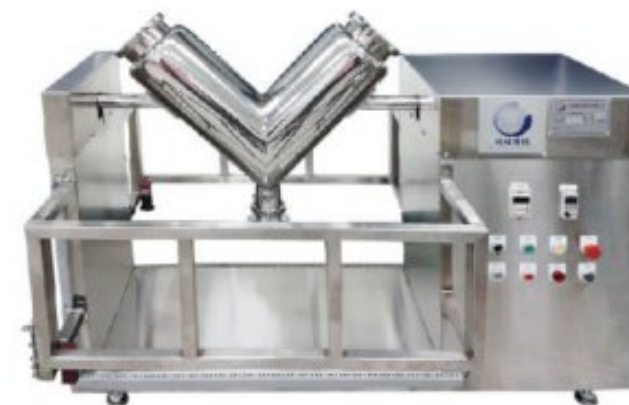
特點：

- 低溫濃縮機可於50°C~60°C操作，不會在高溫狀態下將產品破壞掉。

Features :

- The low-temperature concentration machine can be operated between 50°C~60°C and will not destroy the products under high temperature.

V型混合機 (V-shaped Mixer)



特點：

- 適用於藥品，保健食品，飼料，染料，調味料，化工原料等各種粉末、顆粒、添加物、黏合劑、香料等之混合工程。

Features :

- For pharmaceutical, health food, feed, dye, seasoning, chemical raw material and other powder, granule, additive, binder, spice and other mixed projects.

U型混合機 (U-shaped Mixer)



特點：

- 採正、反轉裝置，雙層逆流，攪拌葉混合快速，入料方便。
- 容易保養，移動簡便，符合cGMP PIC/S GMP。

Features :

- Reversible running combined with double-layer adverse flow, fast mixing, convenient to feed. Easy maintenance and move; Follow the regulation of cGMP, PIC/S, GMP.

液體攪拌混合桶 (Formulation Tank)



特點：

- 適用於液體之混和，攪拌。
- 可依客戶需求量身訂做。

Features :

- Suitable for mixing liquids and stirring.
- Tailor-made according to customers' needs.