



生產型  
Production Size

## 流動層噴霧 造粒乾燥機

## FLUID-BED SPRAY GRANULATOR / DRYER



### 原理介紹 +

利用吸風機將加熱並淨化後之空氣，抽送進入機體內，使機體內顆粒粉末產生均勻的浮動狀態，並配合一組濾袋防止粉末外漏，排放出蒸發水份，達到乾燥的目的，如另加一組噴槍時，將黏合劑或主要成份（如濃縮浸膏），利用噴槍霧化往下噴灑在均勻浮動狀態之粉末上，使粉末相互結合成顆粒後，乾燥至所須之含水量。

### 適用產業 +

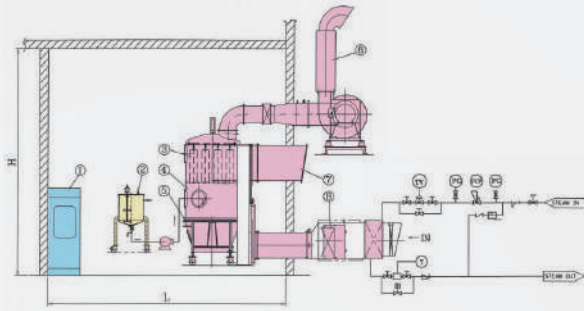
- **西藥：**打錠前之混合造粒粉末混合。
- **中藥：**濃縮顆粒之造粒及乾燥。
- **食品：**即溶食品、沖泡健康食品、咖啡、可可、牛奶、果汁粉、調味料之造粒及乾燥。
- **化工：**顏料、染料、合成原料之造粒及乾燥。

### THEORY +

Heated and purified air flows into the column by suction fan, the pellet or powder will be in uniform fluid condition inside the column, use one set of filter bags to prevent leak of powder, discharge the evaporated water to get drying purpose. If add one more spray gun can spray the binder or active ingredient downward into the uniform fluid powder, whenever the powder combined in granule will be dried to get the required moisture content.

### APPLICATION +

- **Bio-tech / Pharmaceutical:**
  - A. Western medicine: granulating and drying before tableting.
  - B. Chinese medicine: granulating and drying of concentrated granule.
- **Food:** Granulating and drying of instant food, instant health food, coffee, cocoa, milk powder, fruit flavor powder, seasoning.
- **Chemical:** Granulating and drying of pigment, pigment, dye, synthesis raw material.



- 1. Control Panel
- 2. Solution Tank
- 3. Bag
- 4. Drying Body
- 5. Container
- 6. Centrifugal Fan
- 7. Explosion proof gate
- 8. Heater

## 特點 +

- 混合、造粒、乾燥三種製程可在同一台設備內完成。
- 濕顆粒之乾燥速度為一般烘箱之10 ~ 20倍。
- 乾燥時因浮動均勻無死角不會因溼顆粒各位置乾燥速度不同產生色差。
- 採用上噴式霧化方式，造粒速度快且成型之顆粒均勻度高。
- 可因產品特性的不同，加裝各項選擇配備，如溫度、記錄器、自動清洗系統、除濕裝置...等。
- 設計和製造均合乎cGMP規範及美國FDA要求。

## 功能 +

- **乾燥**：含有水份之粉末或顆粒之乾燥。
- **造粒乾燥**：將細粉末噴上黏合劑或主成份，使細顆相互結合成顆粒後，乾燥至所須之含水量。

## FEATURE +

- Mixing, granulating, drying are in one machine.
- Drying time of wet granule is 10 ~ 20 times faster than conventional oven.
- No dead angel produce because of even fluid drying, no color changing of difference because of the same drying speed in any position.

實驗型  
Laboratory Size



## FUNCTION +

- **Drying**: drying for powder or granule which contains moisture.
- **Granulating / Drying**: spray binder or active ingredients on tiny powder to combine in granules, drying until required moisture content.

## 規格表 | SPEC

型號 Model	台車全容積 Container Full Volume(L)	產能：公斤/批次 Capacity : Kgs/Batch (B/D:0.5)	尺寸 Size(WxLxH)(MM)
YS-FDG-2	7	0.5-2	800X1100X1600
YS-FDG-5	26	2-5	1100X1200X2000
YS-FDG-10	30	5-10	1200X1200X2220
YS-FDG-30	100	10-30	1300X1300X2500
YS-FDG-60	180	20-60	1400X1400X2800
YS-FDG-120	400	50-120	1500X1500X3000
YS-FDG-150	500	80-150	1600X1600X3500
YS-FDG-200	650	80-200	1800X1800X3800
YS-FDG-300	1000	100-300	2100X2100X4300
YS-FDG-400	1300	100-400	2800X2800X4600
YS-FDG-500	1600	400-500	3500X3500X5000

\*Size is for reference only which could be design to fit plant layout. \*Capacity based on B/D:0.5