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立式真空混合 造粒 / 乾燥機

SUPER MIXER GRANULATOR / DRYER



實驗型
Laboratory Size



已申請專利
Patented

原理介紹 +

混合桶的夾層熱水加熱，濕顆粒在桶內緩慢的旋轉與翻動，透過抽真空將濕顆粒的水份帶走，達到乾燥的效果。

適用產業 +

- 生技 / 製藥：打錠前之混合造粒粉末混合。
- 中藥：粉末和浸膏之混合攪拌。
- 食品：調味料混合造粒。
- 化工：化工原料之混合造粒、金屬粉末混合造粒、塑膠粉末之混合造粒。

功能 +

- 防爆裝置：可使用有機溶劑。
- 附 WIP 清洗裝置。
- 各項啟閉裝置均有安全戶鎖裝置，安全性高。
- 混合葉片與桶底間隙小，相對殘留少，沒有死角。
- 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。
- 桶蓋採用 AIR 氣胎加壓，密閉性良好。
- 如製造荷爾蒙抗癌藥劑 ... 等，一機可多項功能同時完成混合、造粒、乾燥、整粒。
- 設備可符合：cGMP、PIC/S、FDA 要求。

THEORY +

Inside the cone-shaped vessel, the main impeller mix the powder into fluidized vortex and form lumps with the binder solution, then the high speed chopper cut the lumps into even granules by high speed action.

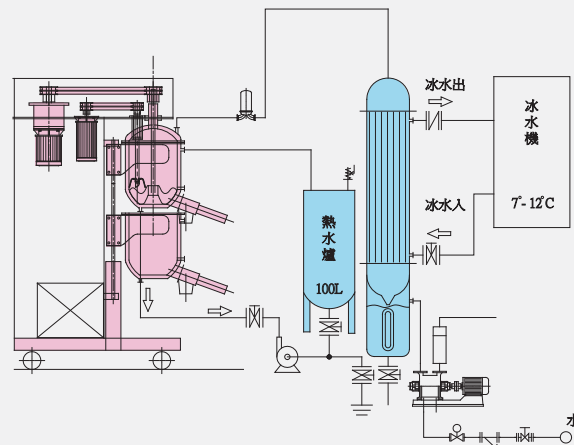
APPLICATION +

- **Bio-tech / Pharmaceutical:**
powder mixing and granulating before tableting.
- **Chinese medicine:**
powder and soakage plaster mixing.
- **Food:**
seasoning mixing and granulating.
- **Chemical:**
- Chemical material mixing and granulating.
- Electronic metal powder mixing and granulating.
- Plastic powder mixing and granulating.

FEATURE +

- Explosion Proof System is available: Suitable for organic solvent
- WIP System is available
- Multi safety interlock device, high safety.
- The clearance between impeller and bottom is very thin, therefore no dead angels and less remainder.
- Unique air seal system, a filtered compressed air is introduced into the air seal system. It prevents the powder fall into shaft and chopper, which may cause black spot and pollute the product.
- Good tightness, use air packing to clamp the cover..
- Multi functions of mixing, granulating and drying can produce hormone or anti-cancer medicine
- All the design and manufacture are qualified cGMP, PIC/S standard and FDA requirement.

流程圖 | FLOWCHART +



自動 / 密閉方式 操作 +

- 自動 / 密閉方式操作。
- 投料採用真空吸料。
- 黏合劑噴灑：採用噴嘴霧化方式。
- 人機界面圖控式操作：參數可記憶、可設定多層密碼、可連線圖像列印。

AUTOMATIC / CLOSED TYPE OPERATION +

- Powder Vacuum Loading is available.
- Binder Spraying: Using the mist nozzle design.
- Touch Screen Interface control system: all the parameters can be memorable, multilevel of pins can be set, connect the diagrams printing.

規格表 | SPECIFICATION +

型號 Model	全容積 Full Volume (L)	工作容積 Work Volume (L) (40%-80%)	產能：公斤 / 批次 Capacity : Kgs/Batch (B/D:0.5)	尺寸 Size(WxLxH)(MM)
YS-MGD-1	1	0.4-0.8	0.2-0.4	310X560X753
YS-MGD-5	5	2-4	1-2	350X600X800
YS-MGD-20	20	8-16	4-8	500X1360X1210
YS-MGD-50	50	20-40	05-20	500X1360X1210
YS-MGD-100	100	40-80	20-40	700X1600X1350
YS-MGD-150	150	60-120	30-60	850X1900X2100
YS-MGD-250	250	100-200	50-120	900X2400X2500
YS-MGD-300	400	120-240	60-120	2800X2900X3000
YS-MGD-400	400	160-320	80-160	2900X3100X3500
YS-MGD-600	600	240-480	120-240	3000X3300X3900

*Capacity based on B/D:0.5