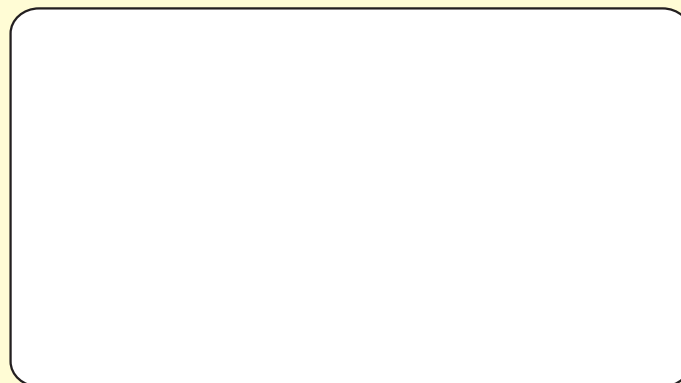




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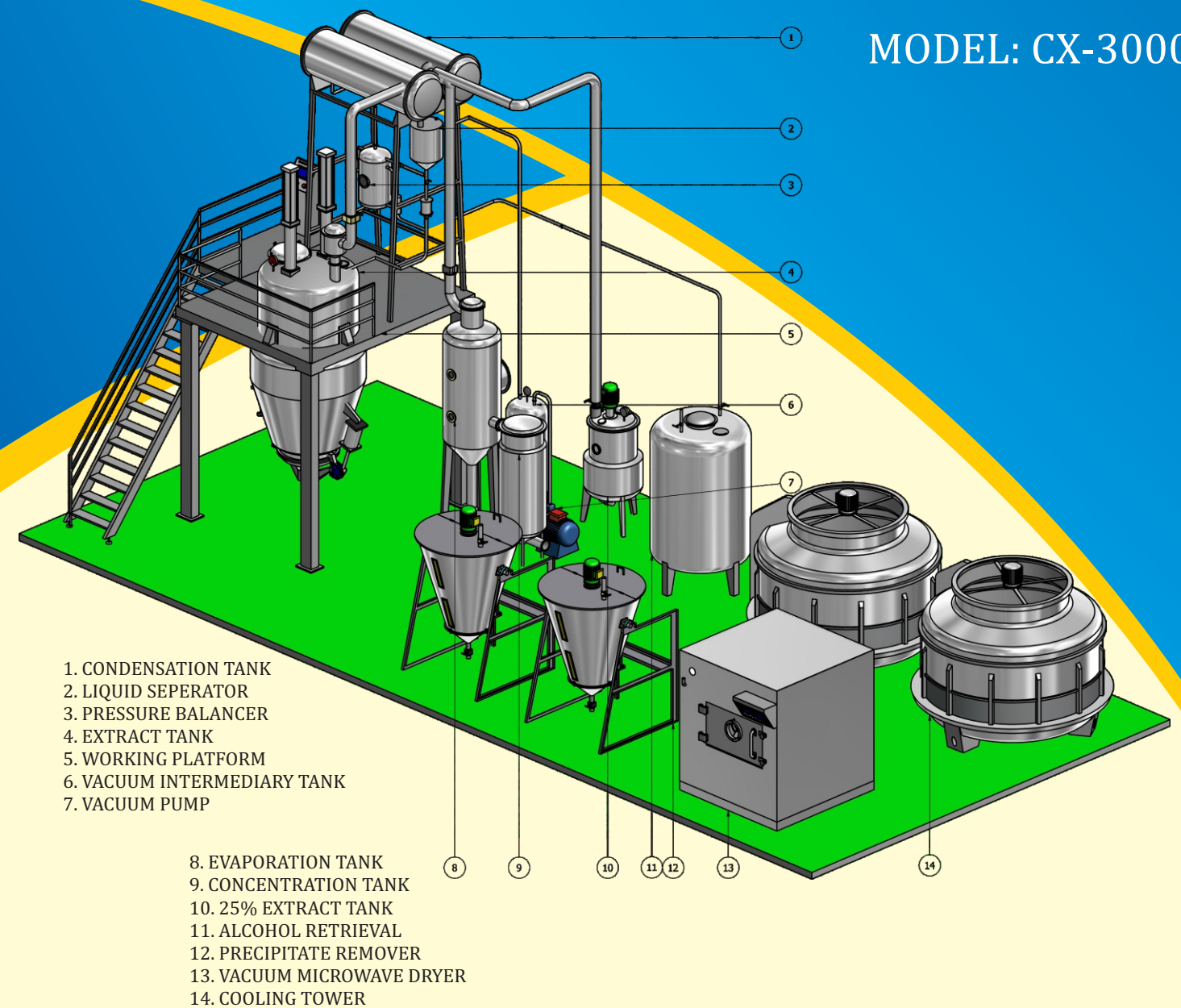
Agent/ Representative



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Herbal Extract system

MODEL: CX-3000



T & T PHARMACEUTICAL MACHINERY CO. LTD.
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01 VACUUM CIRCULATING EXTRACT SYSTEM

TECHNICAL SPECIFICATIONS:

MODEL: CX-3/750

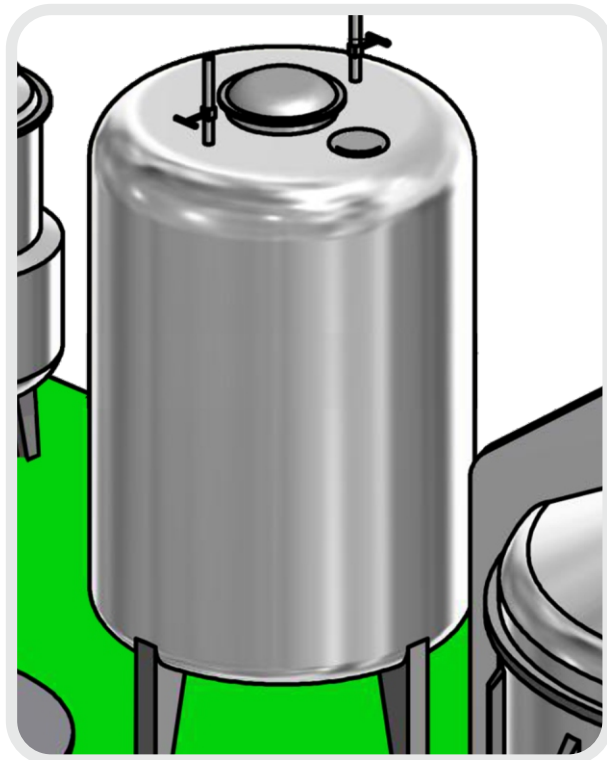
- Materials are made of SS304 and fully polished. Net weight: 3800kg
- PLC SIEMENS S7-1200 Germany. 10 inch touch panel Taiwan
- Extract tank volume: 3000L
- Raw herbs capacity: > 300kg
- Evaporation & condensation capacity: 750kg/h
- Extract time: 8-10 hours
- Extract density: 1.2-1.3
- Temperature inside the extract tank:
+ 70° Alcohol: 50-60°C
+ R.O Water: 70-80°C
- Density measurement equipment: model: DWF, Heinrichs – Germany
- Temperature controlled by electrical valve Honeywell - Taiwan
- Discharge port diameter: 800mm
- Charge port diameter: 400mm
- Diameter of 175 mesh: 800mm, SS316L
- Condensation tank volume: 560L
- Heating tank volume: 450L
- Evaporation and condensation tank volume: 900L
- Solution volume: 1800L
- Heating method: by steam
- Discharge by pneumatic
- Pneumatic cylinder: JELPC- Taiwan
+ Cylinder: model SC 200 x150 mm
+ Cylinder: model SC 200 x250 mm
- Pressure inside the extract tank: 0.08-0.15 Mpa
- Pressure of heating cover: 0.3 Mpa

- Pressure for open/close of discharge door: 0.6-0.7 Mpa
- Steam consumption capacity: 550 - 750Kcal/h
- Vacuum pressure: 0.05 - 0.08 Mpa
- Vacuum gauge: Dutch
- Vacuum pump, ABB motor 15 HP, 3 phase, 50Hz.
- Extract tank is composed of:
- Inner layer: SS304 6 mm thickness. Origin: OUTOKUMPU- EU
- Middle layer: heating layer by SA516 steel, 8mm thickness of KOBE Steel – Japan
- Outside layer: thermal isolation by SS304, 3mm thickness.
- Working platform: Covered by SS304, slippery proof surface
- Staircase: SS304, slippery proof surface
- System dimension: L 10m x W 4.7m x H 7.0m
- Electrical capacity: 17Kw



SYSTEM ADVANTAGES

1. High extraction efficiency.
2. Saving extraction solvent: Only a single amount of solvent is needed initially.
3. Able to retrieve extracted solvent.
4. Low operation cost as compared with older technology.
5. Extraction occurred in the low temperature (50-70 °C) will retain the active ingredients, improving the herbal medicine quality.
6. Extraction and concentration in closure vacuum system to protect the surrounding environment and keep itself from contamination.
7. Remove the unwanted residual such as mucilage, gum.
8. Time-saving as extraction and concentration is within 1 working shift.
9. Machine material contacting with medical herb is made of SUS 304 qualifying GMP standards. Long product's life cycle.
10. Automatically controlled by PLC.
11. Color touch screen 10 inches. Display in English. Easy for operation.
12. Steam heating for cost saving.
13. CIP system by high pressure pump.



Alcohol retrieval tank 3000L

FEATURES:

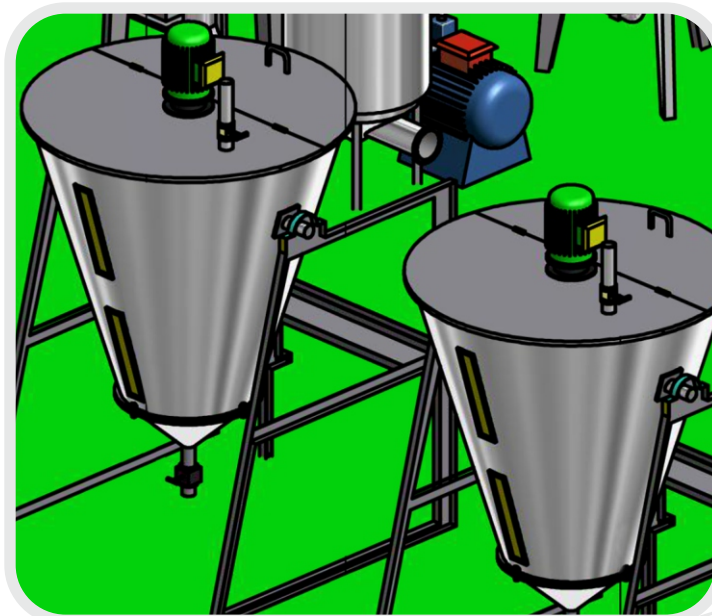
- Volume: 3000L
- Material SS 304. Thickness 2mm
- Weight: 195 kg
- Diameter: 1250mm x height 2600mm.
- Discharge valve: SS 304, ϕ 34mm.

03 Precipitate remover

MODEL: LT-1200

FEATURES:

- Material SS304, fully polished. Thickness 2mm.
- Weight: 600kg
- Cooling unit: SS 304 duct, ϕ 21mm
- Observation window
- Discharge valve
- Extract and solution pump: by pneumatic PPG- Teflon, model:NDP-P25BPT-TT, flow:105L/ mins at 0,7 Mpa (Yamada-Japan).
- Volume: 1200L.
- Stirring motor: 3HP Tungle - Taiwan



25% Extract Concentrating tank

MODEL: CD-300

FEATURES:

- Material Ss304, fully polished. 5mm thickness, weight :400 kg
- Extract tank is composed of:
 - + Inner layer: SS304 6 mm thickness. Origin: OUTOKUMPU- EU
 - + Middle layer: heating layer by SA516 steel, 8mm thickness of KOBE Steel – Japan
 - + Outside layer: thermal isolation by SS304, 3mm thickness.
- On top of the tank:
 - + Observation window
 - + Charge port and cleaning port
 - + Vacuum measurement equipment: 1 item (Dutch)
 - + Charge valve
 - + Vacuum discharge valve.
- At the bottom of the tank: discharge valve by Ss304, ϕ 49mm
- Volume: 300L.
- Stirring motor 5HP speed reducer 1/40, rpm:37rpm Tungle - Taiwan
- Extract concentrating tank is connected with Extract circulating system 3000L.



Vacuum Microwave dryer

MODEL: SVS-50 T&T



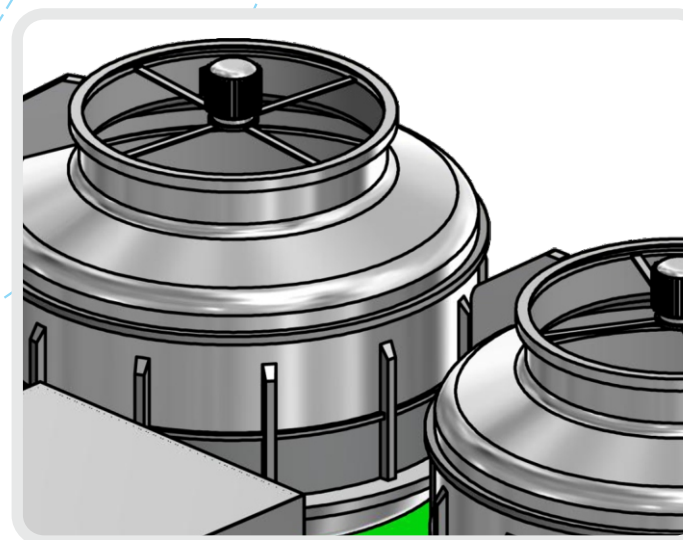
TECHNICAL SPECIFICATIONS:

- Material SS304.
- Chamber thickness: 4mm. Cover thickness: 1,2mm
- Net weight: 1200 kg
- Microwave generator: 20 items Samsung Korea. Model: OM75P (31) Made in Malaysia
- Vacuum pump: Motor ABB 7,5Hp controlled by Inverter
- Vacuum gauge: 1 item Netherlands
- Main motor: 0,75kw Tung lee -Taiwan
- Touch panel: 5,7 inch.
- Observation camera
- Drying temperature: $\leq 70^{\circ}\text{C}$.
- Humidity after drying: $\leq 5\%$.
- Drying capacity: 20Kw
- Microwave frequency: 2450MHz
- Power supply: 380V, 3phase, 50Hz.
- Tray area: 3,5m².
- Number of PE trays: 12 items.
- Tray dimension: L 480 x W 395 x H 130mm
- Evaporation capacity: 16-24kg/h
- Sterilization capacity: 10-20kg/kw.h



- Circulating cooling water
- Cooling tower model: TSC-10RT Tashin - Taiwan
- Machine dimension: W 1900x L 1900 x H 2140 mm.

Accessories



FEATURES:

- Circulating cooling tower , Motor 2 Hp x 3 phase, model: TSC-100RT Tashin - Taiwan.
- Quantity: 02 towers
- Circulating cooling pump. Flow: 120 m³/h. Height: 18 m. Motor Teco: 5,5HP, 380V, 3phase, 50Hz
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