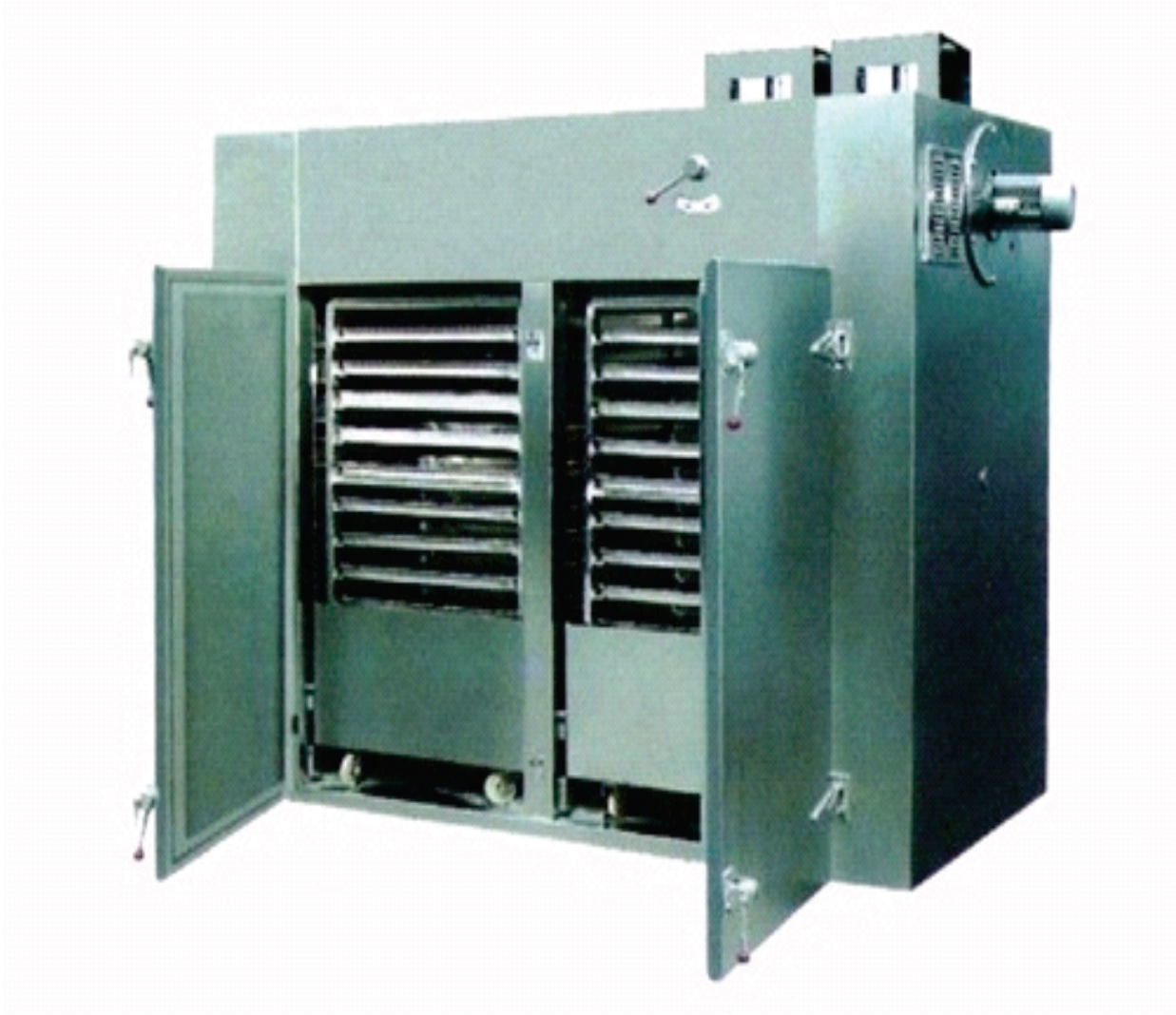




**Genesis Process Technologies**

Committed To Excellence

**GENESIS TRAY DRYER**



Tray Drying is one of the basic GMP compliant batch processing method used for drying. While advanced technologies like Fluid Bed Drying are available, for products which can not be atomized in airstreamed due to viscosity another product specific requirements where product movement is not advisable during drying process, tray drying is still used. Genesis Tray Dryers are especially manufactured in line with FDA and Pharma GMP guidelines to comply most stringent requirements.



## Special Characteristics of Genesis Tray Dryer:

- In Compliance with cGMP Norms/ guidelines.
- Aseptic, hygienic system designs
- In Compliance with FDA regulations.
- Rounded Internals / corners and angles of Dryer
- Rounded Internals / corners of Rectangular Tray as per cGMP Norms having no dead end
- Even temperature distribution within dryer internals
- All product process area of the equipment is in AISI 316/ 316L stainless steel, mirror polish.
- Two tier Tray trolley with SS wheels
- Pre air filtration module having 20-micron filters and secondary by 5 microns.
- Excess Pressure control through Dampers to adjust air flow pressure
- Heating options available are electrical/Steam/Thermic Fluid/LPG gas fired hot air heating system,
- Microprocessor based control panels
- Kilo lab Model to Production Models
- Validation documents provided like DQ, IQ/OQ, FAT/ SAT

## Benefits:

- Very Dry Product to less than 10 ppm
- Low energy consumption
- Very high product recovery due to the low purge gas requirements: >99% recovery
- Very high thermal efficiency with the short gas path for thermal transfer
- High thermal efficiency means shorter regeneration cycle
- A shorter regeneration cycle enables higher processing rates
- Fully piped and wired packaged units
- Fully automated, reducing operator
- Designed for easy operation
- Ease of maintenance

Technical Data	No of Trays	Working Capacity (in Litres)	Machine Weight	Motor HP	Over All Dimension (In MM)		
					Length	Width	Height
GPT-TD-6	6	24	80	1	640	1300	900
GPT-TD-12	12	48	120	2	1100	1300	950
GPT-TD-24	24	96	200	3	1200	2000	2000
GPT-TD-48	48	192	350	5	1350	2000	2600
GPT-TD-72	72	288	430	7.5	1350	4000	3000
GPT-TD-96	96	384	500	10	1350	4000	3000