

Chemical Withering System

The most efficient and economical storage system for fresh green tea leaves, over conventional system. System saves massive amount of floor area and saves expensive man power and electricity cost.

Technical Features:

- This is a chamber with number of modules which is fitted with a nylon woven mesh belt conveyor.
- After receiving the green leaves from garden, it poured into the chamber with a Cooling cum Feed Conveyor.
- The mesh belt conveyor will carry the leaves towards discharge point or it can keep for many hours.
- All wall and other contact parts of Chemical Withering System, with green leaf are made with food grade AISI 304 stainless steel, to avoid any contamination in fresh tea leaves.
- The Chemical Withering System is divided with number of module in length for different capacity.
- The Chemical Withering System can hold leaf up to a height of 1.50 meter and holding capacity up to 25K Kg fresh leaf depending upon number of module of machine.
- The mesh belt is driven by high torque gear box and motor, which is also connected with VFD. So, feed or discharge rate of leaf can be control easily at any time.
- Every module is fitted with a separate air chamber and each air chamber is fitted with a high pressure and high air discharge volume blower. This high volume of air with high pressure can easily penetrate throughout leaf height and eliminates any possibilities of leaf scorching.
- At discharge point, one discharge regulator if fitted, which gives a free fall of leaves from top to bottom without damaging the leaf. This discharge regulator is fitted with geared motor and VFD.
- Feed and discharge time can be set from 2 - 6 Hrs.
- Automatic blower on-off system is provided for each module to save electricity (Optional).
- Two Chemical Withering Systems are connected with a common cat walk which allows operator to monitor both machines at a time.
- One centralized common control console for two Chemical Withering System fitted with temperature indicator, volt and amp meter.

(Due to continuous process of product development, the design is subject to change without prior notice.)