

Cooling Cum Feed Conveyor

Specially designed Conveyor to feed Chemical Withering Machine.

In general, freshly plucked tea leaves come from field in sack or in crate by truck, which takes several hours to reach factory. It stays in lump condition. During this time, these leaves accumulated heat in lumps. If this heated leaf allows to store in Chemical Withering Machine, scorching of leaves happen, this spoils too much leaf. It is important to break those lumps and to cool down this leaves, before feeding to Chemical Withering Machine.

Cooling Cum Feed Conveyor is a full width mesh belt. Two independent spreader are provided here to break lumps and spread leaf in belt width. One high air volume discharge blower is forcing ambient temperature air under the mesh belt. This air passing through leaves on belt and removing heats.

This belts with leaves moves slowly to reach dropping point of CWM, which allows sufficient time to cool down and prevents scorching of leaf in inside of CWM.

Technical:

1. Full width mesh belt with wedge to prevent mis-tracing of belt,
2. Main drive is equipped with feed reducer geared motor of 2 HP,
3. Two Spreader with geared motor of 1 HP,
4. High pressure and high air volume discharge centrifugal blower with 3 HP motor.
5. Both side and back spillage guard made with stainless steel.

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