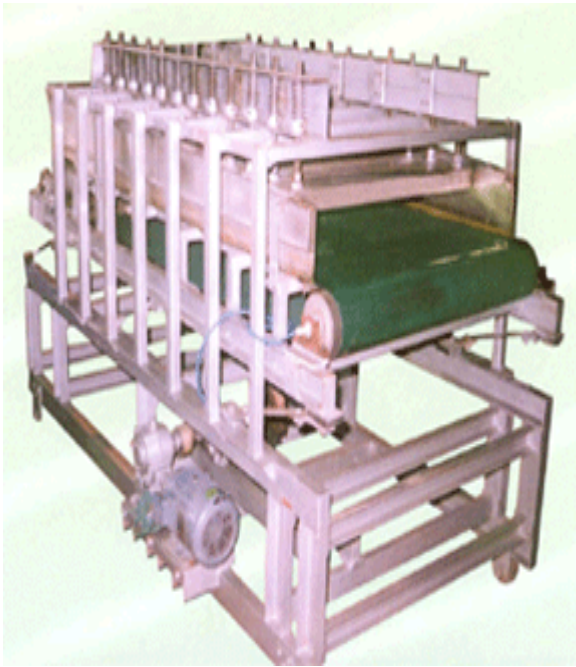


IHBT makes a breakthrough in the withering process



IHBT has been doing research and discovered that it was possible to accelerate both chemical and physical wither of green leaf by creating control stress to trigger chemical wither (patented). The accepted theory that 12 hours to 16 hours is essential for chemical wither in order to maximize the quality properties of black tea stands changed. Now physical and chemical wither is achieved in 4-6 hrs for CTC and Orthodox. On the basis of this concept Mesco Equipment (P) Ltd. a company strong in R&D and manufacturer of quality tea machinery, designed and developed the machine which now is jointly patented by IHBT & MESCO. After extensive trial the machine is now ready to go for commercial use by the Tea Industry. It is now possible to cut the trough area requirement by 27% to 40% by pre-treatment of the green leaf.

The question now arises why one should use this machine in preference to the existing system. There are five very important reasons for such change.

- Saving of energy by substantial reduction of number of trough fan used
- No reddening of bruised leaf during wither and thereby enhancement of quality.
- Saving of fuel as hot air is not required.
- Manufacture during cooler period which always gives better control and better quality.
- Labour saving



● Discharge through machine after treatment

With the compression of time for wither it now becomes possible to introduce a continuous withering system because 4½ to 6½ hours travel time with 120 ft long trough is a manageable speed, similar to currently used for Continuous Fermenting Machines.

Specification

- Compact with space requirement of 3.22 mtr. × 1.58 mtr.
- Flexibility of stroke & pressure in relation to horizontal speed of movement.
- Throughput 2500-4000 kg green leaf per hour.
- One machine can cope with green leaf of a 10 lac kg factory by adjustment of manufacturing time.
- Easily adaptable to a continuous process from withering to drying.
- Substantial reduction of withering space requirement and labour.
- Faster manufacturing programme.

