

Fiber Extractor



Introduction

Till late sixties, separation of Fiber from Tea was though done but was a big task, but during early seventies, experiments started with plastic pipe, on the theory of static electricity. An additional device was provided to electro-magnetize the PVC pipe. It was designed as Rollers, which move at a slow RPM.

In due course these Rollers of PVC pipe of higher diameter, moving on very slow speed, helped to extract more fibers from bulk teas. The experiment practically struck to a point of satisfaction and Tea Industry accepted the equipment largely. It was thus named the Fiber Extractor. GK Tea is one of the pioneers in Jumbo & standard Fiber Extractor manufacturers.

Advantages

- It does not rub or crush the teas. Hence the bloom remains unaffected.
- It does not "GREY" the teas.
- Operating lever for adjustments of rollers has a wide scope.
- Rollers can be adjusted even when the machine is running.
- Separate drive is not required for a feed conveyor as it is provided with the machine.

Hopper

Hopper is fabricated out of M.S. sheet with adequate support Brackets mounted on the main frame of the machine. The hopper can be fitted with a Pre-sorter (OPTIONAL - Costs extra). A wooden frame with no. 6 wire mesh and a chute is joined below the feed hopper. The frame works as PRESORTER and separates bulks, cakes and unwanted particles.

Note

Option of Trinick Sorter without PVC Rollers fitted with desired Stainless Steel Wire mesh is also available. Do specify if your requirement matches this specification.

Maintenance

- Greasing is required only in the Main Big End housing every 3 months and oil lubrication is required on link chains.
- Felts described earlier, require replacement when torn out, generally once after six months if the machine works daily full time.
- The outer surface of PVC Rollers becomes scratchy and generally fine grooved after prolonged use. It is a very slow process. In such circumstances the rollers should be placed on lathe and trued to level and re-used.

Technical Data

Power	2.66 KW/2 H.P.
Capacity	800 Kgs/hr for 36" Fiber Extractor
Floor Area	2706 x 1200 MM
Height	1330 MM.
R.P.M	250 for the tray & 19 of the PVC Rollers
Models	36" X 4 Rollers; 36" x 6 Rollers; JUMBO Fiber Extractor 54" X 6 Rollers.