

# Middleton Sorter

Middleton is a primary machine to begin sorting of Orthodox tea. Before grading the tea, stalk fibre to be separated. Middleton is the only equipment which can remove stalks from bulk Orthodox tea.

## **Construction of Middleton Machine:**

- Two perforated aluminium dimpled trays are fitted in the two decks of the machine in sturdy M.S. framework. Each provided with lining at the bottom which collect and deliver the tea through duct at the side of the machine.
- The frames rest on spring legs. A heavy M.S. fabricated stand supports the crank and work as motor stand also.
- The crank is straight shaft with eccentric block instead of forged shaft. Bearings are used in place of brass bushes.

## **Technical Data:**

- Machine Length- 3400.
- Machine Width- 1320 (with discharge chute).
- Machine Height- 1400 at feed End.
- Perforation & Dimple :  $3/16 \times 1/8$  ,  $7/32 \times 1/8$  ,  $3/16 \times 1/4$  ,  $7/32 \times 1/4$  ,  $3/8 \times 1/4$  ,  $1/2 \times 1/4$  .
- Power- 1 HP, 1000 rpm.
- Crank Speed- 205 rpm.

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