No.2605

Compact chipper (with vibrating screen)

In the pulp manufacturing process, it is required to have a cooking liqueur permeate to the center of the wood as quickly as possible to enable quick and unified digestion. For that purpose, this chipper is designed for laboratory use to make wood chips of unified dimensions, helping prepare various chips containing different kinds of resin. In operation, wood is pushed diagonally against the rotary disc provided with a cutting knife, which cuts off the tip of the wood. Then, produced chips are air-blown upward to the chip screens. Then, the chips are classified through two-step vibrating screens so that complying chips are sent to the chip collector rack and large-sized ones are conveyed upward on a belt to be thrown into the chipper's slot again.

Chipper knife: 3 pieces (all stainless steel)
Disc: 760mm in diameter
Feed port: 140 x 100mm
Rotation speed: 660rpm
Screen box: 700 x 2000mm, upper screen 40mm, lower screen 6mm
Vibration with coil spring: frequency 1000/min.
Chipper driving motor: three-phase 200/220VAC 22kW 50/60Hz
Screen driving motor: three-phase 200/220VAC 0.75kW 50/60Hz
Capacity: 4.5m^3/h
Outer dimensions: 2800 x 1200x 3000mm
Instrument weight: 800kg

No.2607

Dryer for measurement of chip moisture content

This dryer is used for measuring the moisture content of wood chips. Chips are placed inside the dryer for a certain length of time so that moisture content may evaporate. The moisture content is checked based on the difference between the constant mass weight of the chips and the weight before drying. In order to maintain unified temperature distribution inside the dryer, a forced circulation system is adopted for heated air, ensuring measurement of the moisture content after chips are evenly dried.

Chamber inner dimensions: 880 x 660 x 1100mm
Specimen dish: 220 x 570 x 50mm wet chip 1 or 3kg 1 row, 10 stages, 30 trays
Material of inner wall: SUS-304
Material of tray: SUS-304
Maximum temperature: 200°C
Service temperature: 105°C
Temperature control: + 1°C
Drying time: 8 hours
Timer: max. 24 hours
Optional: external alarm terminal
Referential standard: J.TAPPI No.2
Power source: three-phase 200/220VAC 50/60Hz 40A
Outer dimensions: 1500 x 840 x 1560mm
Instrument weight: 680kg

* We also fabricate moisture testers with specifications other than the above for different total dry volumes and installation space conditions.