

# LABORATORY DISC REFINER type BAUER

The laboratory disc refiner, type Bauer, is widely used for pilot refining of chemical and semichemical pulps, chips and recycled paper in the quality control and R&D.

Its high capacity and sturdiness allow customers to use it also as main refiner in small sized production lines for special papers.

The beater operates with a mass consistency from 2 to 8 % and has a continuous circulation chamber with a 50 liter capacity.

The energy consumption is digitally monitored.

Three different discs are available : short fibre, long fibre and standard.

The diameter is 300 mm. The distance between the discs can be adjusted between 0 and 9 mm.



Model MD-3000

## Features

- Pulp is refined homogeneously while it is circulating
- Extremely reliable and user friendly instrument
- Mass consistency from 2 to 8 %
- Discs gap adjust and energy consumption
- Automatic soft start system offers high torque start and high revolution operation which enables the equipment to be started even fully loaded
- All parts in contact with the refined material are made of non-corrosive materials like bronze and stainless steel
- Refining chamber can be cooled by circulating cold water which protects samples from typical heat generated by refining jobs



## Physical specifications

### Control panel

Integrated control panel with digital indication of power consumption (W) and current (A)

### Discs

Unit is delivered with one pair of the three available types of interchangeable refining discs, made of hard bronze with 300 mm diameter :

- type I for short fibers
- type II for long fibers
- type III for general purpose (refining both long and short fibers and pouding wood chips)

System for linear adjustment of refining discs' gap from 0 to 9 mm with integrated scale can be used even during operation.

### Dimensions

160 x 65 x 210 (WxDxH)

### Net Weight

250 kg

## Options

Extra or spare pairs of hard bronze refining discs : type I for short fibers, type II for long fibers, type III for general purpose

## Performance data

### Capacity

50 l capacity stainless steel reservoir with inspection door

### Motor

Heavy duty 5.5 kW (7.5 HP),  
1750 RPM IP 55 drive motor

### Power supply

220 V, 60 Hz, 5.5 kW, three phase  
Other available under request

### Water supply

3 bar, clean, pure, 0.5 m<sup>3</sup>/h

### Waste water supply

Required

"Partners in Quality"