

*a measurable difference...*



## Laboratory Disc Refiner Bauer

### Model: MD-3000e

The MD-3000 is a disc refiner widely used for pilot refining of pulps in the Q.C. (quality control) and R&D (research and development) of pulps, papers and boards.

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



#### MAJOR TECHNICAL CHARACTERISTICS

Works with mass consistency from 2 to 8%;
50 L capacity stainless steel reservoir with inspection door;
System for linear adjustment of refining discs' gap from 0 to 9 mm with integrated scale can be used even during operation;
Heavy duty 5,5 kW (7,5 HP), 1750 rpm IP 55, rugged drive motor;
Bascule door with quick locking system offers to the user an extremely easy access to the refining chamber and refining discs;
Integrated control panel with digital indication of the power consumption [W] and the current [A];
Three types of interchangeable refining discs made of hard bronze with diameter of 300 mm are available - type I for short fibers, type II for long fibers and type III for general purpose (refining both long and short fibers and pouding wood chips)
Closed refining loop driven by the refiner itself has lower collection point for refined pulp and spreader cone in the reservoir's upper inlet which ensures that all the pulp is refined homogenously while it is circulating;
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 corrosible materials like bronze and stainless steel;
Heavy duty frame is iron-cast and supporting structure made with steel profiles with proper fixing holes for anchor bolts ensure smooth operation;
Refining chamber may be cooled by circulating cold water around it through available connection points ensure that users can protect their samples from typical heat generated by refining jobs

#### Optional accessory:

- Filter for water model GS200UV - 5 L/min according to ISO 14487

Power supply	220 VCA, 60 Hz, 5,5 k W, three phase. Others available under request.
Water supply	3 bar, clean, pure, 0,5 m <sup>3</sup> /h
Waste water supply	Required
Dimensions	(850 x 750 x 1800) mm (W x L x H)
Weight	250 kg

Note: due to constant development our equipment design and specifications are subject to change without notice.

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