International Combustion (India) Limited

BARSIZER &
VIBRO-BARSIZER

for difficult-to-screen materials...



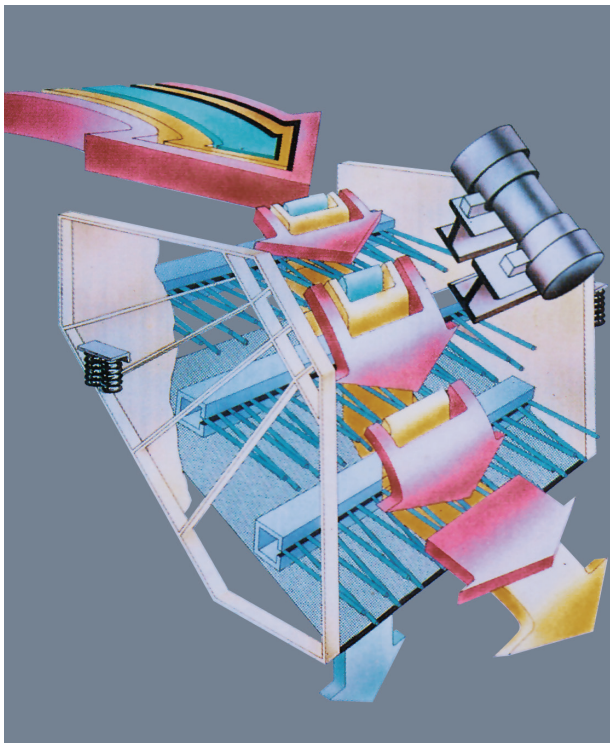
Technology
Mogensen GmbH & Co. KG
Germany

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VIBRO-BARSIZER

Unique System

For the first time many problems in screening and classifying no longer “get stuck in the screen“. The Vibro-Barsizer really works because of its effective blockage-free design principle. It separates difficult-to-screen and heavily polluted materials reliably, including bulky and irregularly shaped particles. Very effective with greasy, sticky and wet materials. Textiles, fibres and plastics in the product stream pose no problems. Achieved by a proven technology in a patented system.



Functional Aspects

The linear vibration of the Vibro-Barsizer and the bars fixed at only one end help ensure a fully trouble-free separation. The bar decks are mostly arranged in multiple cascade-like steps.

The material is turned around and opened up as it falls from one step to another. A vital operation for guaranteed and reliable separation. The number of bar decks is determined by the number of fractions required. The Unique Design of diverging bars fixed at one end has been proved successful in hundreds of stationary Barsizer installations. Pegging and blockages are positively avoided.



VIBRO-BARSIZER handling upto 800 mm feed size

Design Aspects

The bars are made of special steel and can be changed and turned around easily. The exact layout of each bardeck is individually selected according to the duty specified. Distance and slope of the bar can be freely chosen to match the desired particle size and material conditions; optimum results are thus achieved. The decks can be adjusted individually at any time if separation requirements change.

The Vibro-Barsizer is vibration resistant and of a robust, bolted design. Driven by two maintenance-free and quiet vibrator motors, the **Vibro-Barsizer** can additionally be equipped with mesh panels to meet special requirements. The machine meets the high demands of heavy duty applications.

Facts & Data

- Capacity over 1000 m^3/h
- Separations between 5 mm and 150 mm
- Handling solids and slurries
- Standard designs for widths of 1 m, 1.5 m, 2 m and 3 m. Special designs also available
- Dust-tight enclosure
- Maintenance-free operation for long-term continuous duty
- No blockage and pegging
- Insensitive to all kind of impurities
- Favourable energy/capacity ratio
- Quiet operation
- Low weight in relation to capacity (Saving costs of steel-work and foundations)
- Compact design

BARSIZER

for Coarse Separations - unpowered



The Barsizer works free of charges

The Barsizer was specially designed for coarse separations and it operates accordingly at high capacity, free from blockages. The principle is patented. It works without moving parts and without consuming energy. This keeps the weight down.

The range of separation is between 25mm to 400mm. Individual pieces may be 1m in size and up to 3 t in weight. The quality of separation is astonishingly good in relation to the requirements of coarse screening.

The simple and robust design ensures failure and maintenance free operation, even with difficult sticky materials contaminated with impurities.

Duties for which far heavier screening machines of various kinds such as grizzlies or revolving bar screens all of which have high operation and maintenance costs, are usually specified.

What makes this design so simple?

It is a simple design with creative technology. The bars diverge and are fixed at one end only. The gap opens up towards the end of the bars in the same direction as the flow of material.

The bar profile, the distance between the bars and the angle of divergence as well as the slope of the total bar system, determine the flow of material and the size of separation. The material-induced bar vibration prevents blockages. The bars are made of a special steel and may be reversed in order to increase operational life.

Facts & Data

- No power supply required
- No noise from drive or moving parts
- No danger of blockage
- Capacities up to 1500 t/h or even more
- Size of separation between 25mm to 400mm
- Can handle large lumps up to 3 t individual weight
- Widths of machine between 0.5m and 6m Special designs on request
- Maintenance-free operation
- Bars can be individually reversed and changed
- Suitable for both mobile and static plants
- Simple, robust and maintenance free design
- Several hundred machines in operation



REGISTERED & CORPORATE OFFICE

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