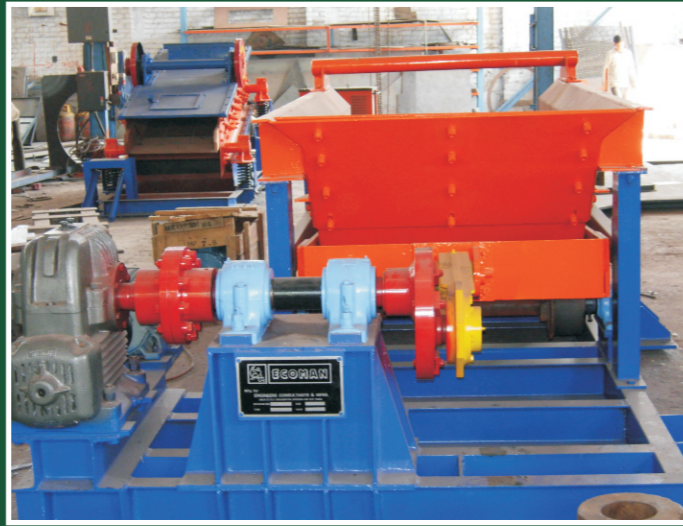




### MANUFACTURERS OF :

- JAW CRUSHERS
- IMPACTORS
- VERTICAL SHAFT IMPACTOR (V.S.I.)
- HAMMER MILLS
- DOUBLE ROLL CRUSHERS
- VIBRATING SCREENS
- TOOTHED DOUBLE ROLL CRUSHERS
- GRIZZLY FEEDERS / RECIPROCATING FEEDERS
- FEEDERS & COMPLETE TURNKEY PLANTS



HIMALI # 98282 79679

# Vibrating Screen



VIBRATING SCREEN



PERFECTION IN SIZE REDUCTION TECHNOLOGY

# ECOMAN

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PERFECTION IN SIZE REDUCTION TECHNOLOGY

# ECOMAN

ECOMAN's circular motion inclined vibrating screen is a two bearing free floating vibrating screen which efficiently screens all moderately free flowing materials.

The circular throw action is derived from imbalance weights which are attached to the ends of the vibrator unit and transmit a uniform vibration to all screening surfaces and ensures that material travels over the screening surfaces at a constant rate. The amplitude or degree of vibration can be adjusted to suit a change of duty by adding or subtracting balance weight plates. Circular motion ensures rapid stratification at the feed end and produces an accurately sized product in the shortest possible time.

Screen's inclination normally varies between 15° to 25° and can be installed with fixed angle or adjustable bracket arrangement. Speed of screen varies between 850 R.P.M. to 1150 R.P.M. depending upon the "G" value desired.

#### VIBRATOR UNIT

The vibrator Unit is a steel shaft, completely housed in a protective steel tubular casing which in turn is provided with an easily replaceable rubber cover to resist damage and abrasion. Balance Weights are keyed to shaft.

The bearings are specially designed for the use on screens and are a high capacity self aligning double roller type. These bearings have special tolerances and improved lubrication facilities to give extended bearing life under their arduous working conditions. Labyrinth type grease sealings are provided to prevent dust getting into bearings. A deep groove V-belt Pully is bored eccentrically to ensure true running and to obviate the belt whip.

#### SUPPORTING COIL SPRINGS :

Helical compression springs support the vibrating basket of the vibrating screen. They absorb all the working loads, without transmitting undesirable vibration to the supporting structure.

#### SIDE STRETCHING DEVICE :

For maintaining correct tension, side stretching arrangement is provided for the screen cloth. Though for the screens with hood it is a common practice to use longitudinal stretching it is essential to keep the screen deck always in tension.

#### SELECTION OF SCREENING MACHINE :

Proper selection of screen size is very important. The size and type of screening machine to be used requires a very close scrutiny of the material to be screened, its screen analysis, moisture content, shape of particles, separation required etc. Uniform feeding across the width of screen is necessary for optimum efficiency.

#### SPECIAL PURPOSE SCREENS :

We also manufacture elliptical-motion screens, dewatering screens, drying screens etc. Normally these screens are horizontal & may have inclination upto 5°.

#### SPECIAL FEATURES of ECOMAN'S VIBRATING SCREENS.

- (1) High specific screening capacity.
- (2) Compact design.
- (3) Bolted construction.
- (4) Easy interchangeability of screen cloths.
- (5) Long working life.
- (6) Tailor made to customer's needs.

ECOMAN manufactures complete range of Vibrating Screens to cater for your needs in Single Deck, Double Deck and Triple Deck. Vibrating Screens are available with hood as well as without Hood. Select from the following sizes given in mm (width x length), no. of decks or nearest size and we will send our offer to you, OR give following details for easy selection of ECOMAN Vibrating Screens.

### QUESTIONNAIRE

Feed Material & its Size .....

Bulk Density in Tons / Mtr<sup>3</sup> .....

Separation or Opening of decks .....

Feed Analysis .....

Moisture in % .....

Capacity (TPH) .....

### ECOMAN POPULAR VIBRATING SCREEN SIZES ARE AS FOLLOWS IN MM:\*

### SINGLE, DOUBLE & TRIPLE DECK.

Width X Length	Width X Length	Width X Length
600 X 1500	1400 X 3000	1800 X 6000
800 X 1700	1400 X 4000	2000 X 5000
1000 X 2000	1500 X 3000	2000 X 6000
1000 X 2500	1500 X 3600	2200 X 6000
1000 X 3000	1500 X 4200	2200 X 7000
1200 X 2500	1600 X 4000	2400 X 7000
1200 X 3000	1600 X 5000	2400 X 8000
1200 X 3600	1600 X 6000	2500 X 8000
1200 X 4000	1800 X 4000	3000 X 8000
	1800 X 5000	

\* SIZE OF DECK / SCREEN CLOTH

#### APPLICATION :

Aggregate  
Iron Ore  
Coal / Coke  
Limestone  
Dolomite  
Clays  
Bauxite  
Rice Husk  
Mineral Ore