

## VIBRO ENERGY SEPARATOR

- for
- ◆ classification of powders
  - ◆ sizing of powders
  - ◆ separation of solids from slurry



120 cms Dia 7 Deck Machine For Sorting of Tea.



120 cms Dia Single Deck Machine.

### Advantages

- ◆ superior separation efficiency
- ◆ low power consumption
- ◆ low space requirements
- ◆ minimal maintenance
- ◆ no special foundation required
- ◆ lower noise levels
- ◆ can be provided upto 4 Decks for most cases and 7 Decks for Special Applications

**UNITS WITH MESHES UPTO 400 MESH (37 MICRON) CAN BE SUPPLIED**

### Applications

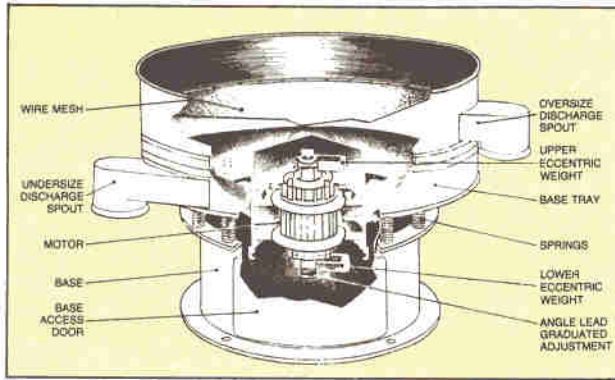
Chemicals, Ceramics, Paper, Animal Feed, Pharmaceuticals, Paints, Minerals. Metal Powders, Food Products and many others.

**The following is a partial list of materials which can be screened by the Dalal Vibro Energy Separator.**

Abrasives	Dye Slurry	P.V.C. Powder
ABS Powder/Pellets	Dyestuff Powder	Paints
Agro Chemicals	Effluents	Papain/pectin
Algae Slurry	Ethyl Cellulose	Paper coating
Alumina	Explosives	Paracetamol
Aluminium Slurry	Feldspar	Pentaerythritol
Ammonium Chloride	Ferrite Powder	Pharmaceuticals
Ammonium Nitrate	Fertiliser	Phosphorous Slurry
Animal Feed	Flour	Plastic Pellets
Aspirin	Florescent Powder	Polymer Powder
Bakelite Powder	Food Products	Polystyrene Powder
Basic Chrome Sulphate	Glass Beads	Powder Paint
Beer	Glaze	Puffed Rice/Wheat
Benzoic Acid	Glue/Gum	Quartz
Betelnuts	Graphite	Red Mud Slurry
Black Liquor	Guar Gum Splits	Resin Bonds
Bleaching Powder	Gum Powder	Rubber Chemicals
Bone Meal Powder	Gypsum	San Pellets
Calcite Powder	Husk/Bran	Silica Sand
Calcium Carbonate	Insecticides	Silver Powder
Cane Molassis	Iron Oxide	Sodium Perborate
Carbon	Isogel	Soya Nuggets
Cast Iron Powder	Lime	Soya Slurry
Catalyst	Lindane Powder	Starch Slurry
Cellulose Powder	Lidpe	Steel Shots
Ceramic Powder	Magnesium Shots	Sugar
Ceramic Slip	Maida	Sulphur
Chemicals	Maize Starch	Talcum Powder
China Clay	Menthol	Tapioca Starch
Chocolate	Metal Powders	Tea
Clay Slip	MICA	Tobacco
Coffee	Milk Powder	Vitamin 'A'
Cornflakes	Minerals	Wood Chips
Detergent	Oil	Yeast
Dextrose Monohydrate	P.V.A. Emulsions	Zinc Dust

**PROVEN PERFORMERS.  
HUNDREDS OF  
UNITS SUPPLIED TO  
LEADING ORGANISATIONS.  
VERY HIGH PERCENTAGE  
OF REPEAT ORDERS.**

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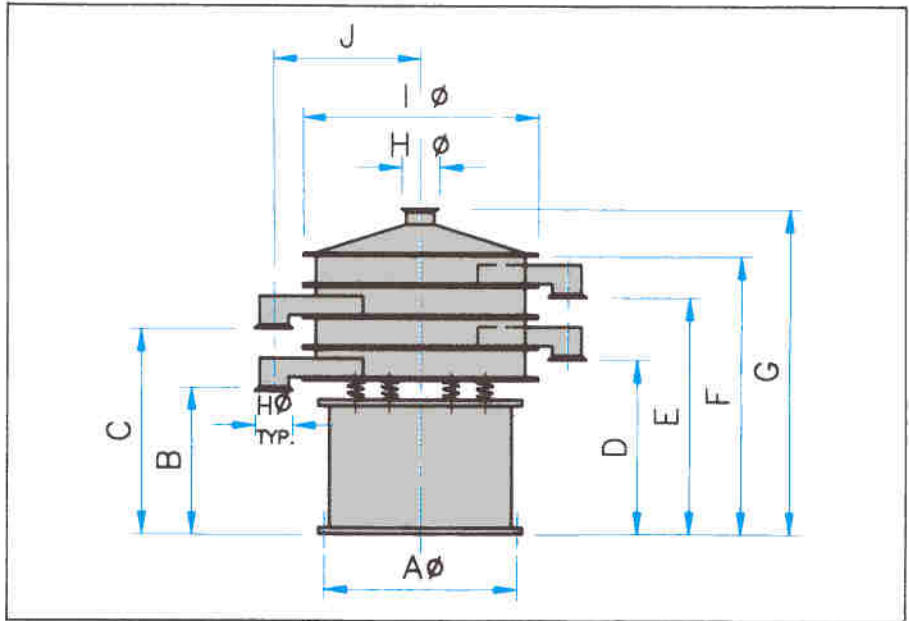
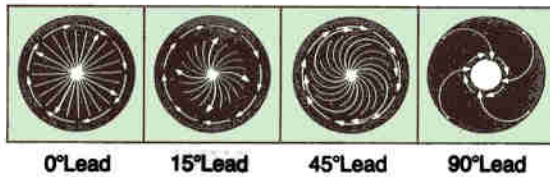
Cross Sectional View of a Single Deck Machine

## OPTIONAL ACCESSORIES

- ◆ DUST COVER
- ◆ ANTIBLINDING ARRANGEMENTS
  - A - BALL TRAY WITH RUBBER BALLS
  - B - PLASTIC SLIDERS
- ◆ VELOCITY BREAKER
- ◆ CASTOR WHEELS

## PRINCIPLE

The Dalal Vibro Energy Separator is a rigid screening device that vibrates about its centre of mass. The central vertical axis of the screen assembly and the motor shaft axis being the same, vibration is accomplished by placing eccentric weights on the upper and lower ends of the motor shaft. Adjustment of the quantum and relative position of the top and bottom weights permits control of amplitude and material flow patterns as under



80 cms Dia Single Deck Machine

SIZE	EFFECTIVE SCREENING AREA IN M <sup>2</sup>	MOTOR HP/KW	A	B	C	D	E	F	G	H	I	J
48 cms ø	0.15	0.25 / 0.186	495 ø	450	695	580	810	1000	1130	100ø	554	360
66 cms ø	0.3	1 / 0.75	673 ø	600	875	745	1005	1160	1245	127ø	740	482
80 cms ø	0.47	1 / 0.75	813 ø	510	802	665	939	1100	1210	150ø	898	582
120 cms ø	0.88	2 / 1.5	952 ø	520	872	705	1040	1233	1343	152ø	1195	730
150 cms ø	1.44	2 / 1.5	1105 ø	535	885	710	1075	1265	1375	203ø	1502	927

(All Dimensions in mm)



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