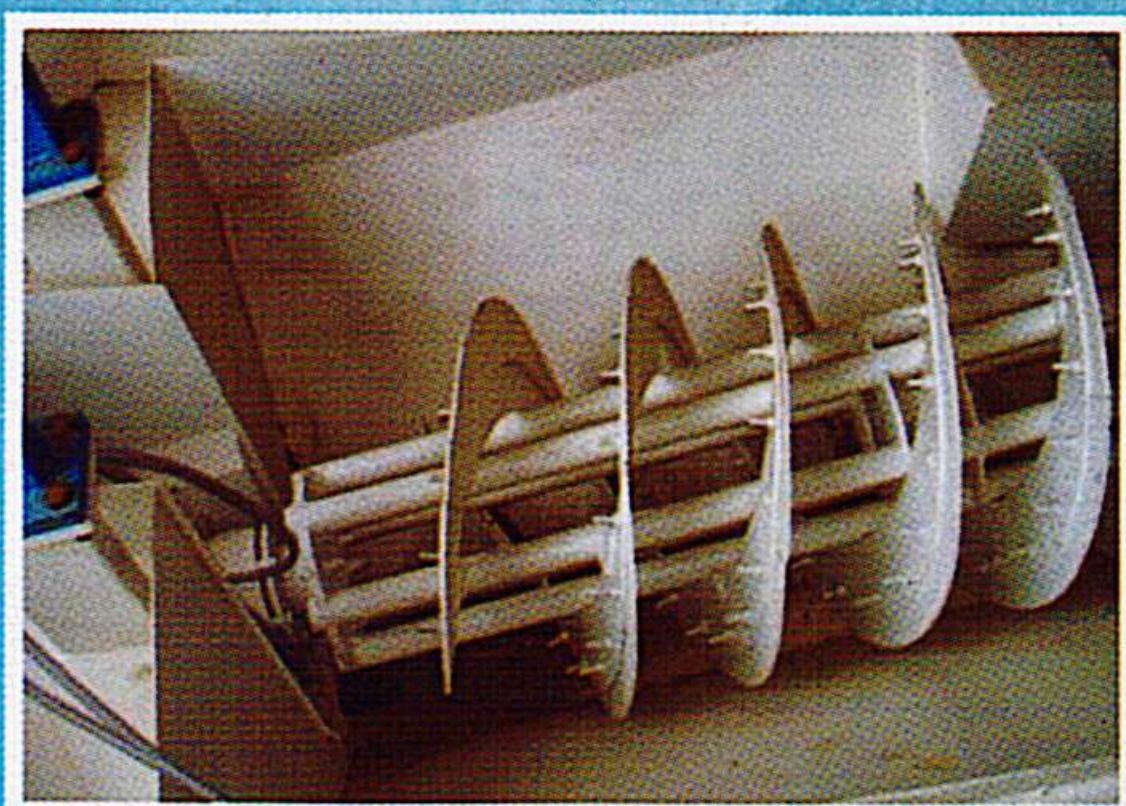




DEEPA SCREW CLASSIFIER



MOST EFFECTIVE CLASSIFIER

DEEPA SPIRAL CLASSIFIER is an ideal machine to wash and separate silt and other impurities from sand as well as dewatering sand after wash. It combines both the functions of washing and dewatering and is very effective.

It consists of a slow rotating and gently elevating spiral in a tub with an inclined trough and its function is simple. Water is sprayed under pressure on to sand fines in the screen and the sand slurry thus formed is let into the classifier tub full of water without causing any turbulence. The silt and other impurities get floated and discharged over weirs. The coarser particles i.e. sand settle at the bottom. The double start screw rotating at slow speed rakes up the settled sand particles and conveys up through the inclined trough. This is a continuous process and as the washed sand moves up, the excess water in the sand mix is drained back to the tub and at the discharge point a relatively water free sand is obtained.

SALIENT FEATURES :

- A very sturdy tub with an elevating - trough
- Screw Classifier with single, double, triple start spiral flights provided to meet higher capacity requirements.
- Bearing assembly at the top and submerged bearing assembly at the bottom provided with labyrinth and oil seal protection against ingress of foreign material and dust.
- Arrangements for lifting spiral assembly on the sub merged bearing side for periodic inspection.
- Drive arrangement through motor with shaft mounted helical gear box of reputed make. The drive unit mounted on a pivotal base allow lifting or lowering spiral assembly. Variable frequency drive for varying the spiral speed.

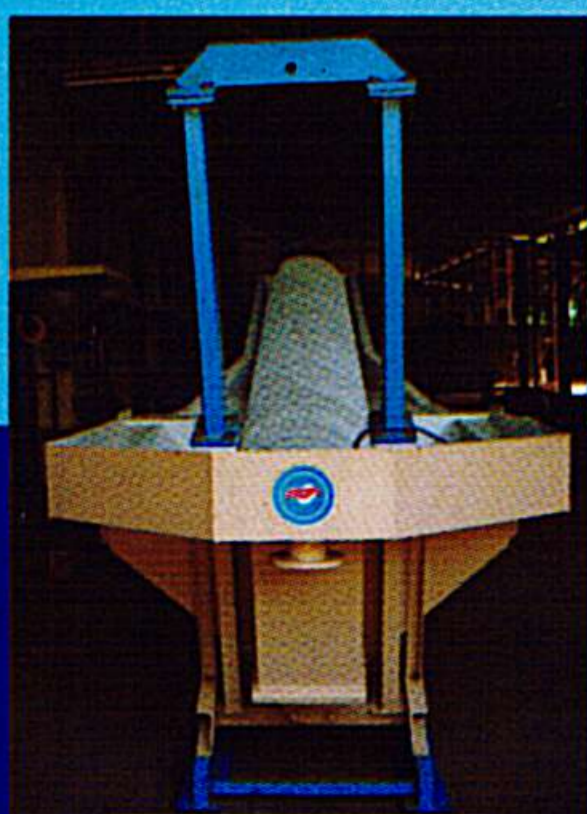
ADVANTAGE SCREW CLASSIFIER

Screw classifier combines following functions:

1. Stirring up the sand slurry to remove very fine dust.
2. As the screw rotates there is a scrubbing and milling action that makes sand particles finer.
3. Only fine dust that will float in the water surfaces up and get flushed out with water surplusing over weir. In essence, fine sand, 150micron sand fines are fully saved, settle down the tub along with coarse sand particles. This is important since sand conforming to Zone-II, Zone-III, Zone-IV must have more of these fines. To get fine sand, that is plastering sand screw classifier is the best.
4. As the slurry moves up the inclined tubs, dewatering takes place. A relatively water free M Sand with all of fine content is obtained.

STANDARD SPECIFICATIONS

MODEL	DIA LENGTH	SPEED	CAPACITY	POWER
SC 600	600 x 5000	8-10	20-30 TPH	7.5 HP
SC 900	900 x 6000	8-10	40-50 TPH	10 HP
SC 1200	1200 x 6000	8-10	50-75 TPH	10 HP
SC 1200	1200 x 8000	6.5-8.5	75-100 TPH	15 HP



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