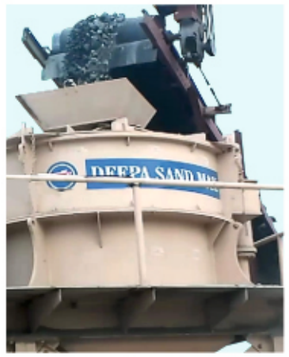
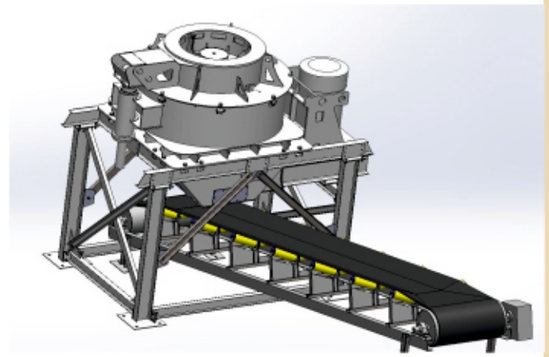
The heavy impactor with drive assembly is mounted on to a heavy framed structure high enough to enable access to drive transmission line and discharge chutes.

In short, Deepa Sand Max Impactor is designed for maximum sand output . **Maximum productivity at minimum cost.**

VSI Machine Type	Feed Size	Capacity	Power
Deepa VSI 50	(-)40 MM	50 TPH	55 KW
Deepa VSI 100	(-)40 MM	100 TPH	110 KW
Deepa VSI 150	(-)40 MM	150 TPH	132 KW
Deepa VSI 200	(-)40 MM	200 TPH	250 KW
Deepa VSI 300	(-)40 MM	300 TPH	2x250KW





Maximizing Msand Manufacturing

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CRUSHERS

DEEPA VERTICAL SHAFT IMPACTOR

Maximizing Msand Manufacturing

Ideal choice for
Maximum Sand Production

Benefits of Deepa VSI

- Optimized for Maximum Sand Production
- Cubical shaped product
- High Reduction Ratio
- Meets ISI specifications
- Produces intermediates and fines
- Requires Less Power
- Low Operating Cost
- Low Maintenance Cost
- Easy access to Serviceable parts

The Need For Manufactured Sand

The Challenging huge demands for sand warranted by unprecedented development activities in infrastructure, urbanization and housing projects, against fast depleting natural sources of river sand has thrust upon us the task of finding a viable alternate source for sand.

Crushing hard rock and manufacturing sand is found to be the only alternative for river sand and Impact crushers are found to be best suited to manufacture sand that will match the qualities of river sand, especially in cubical shape and in gradation of micron size sand particles.

Why Impact Crushers?

How breaking is done makes the difference.

Normally jaw crushers, Cone crushers, Roll crushers are used in Indian quarries to manufacture Aggregates (Jelly). In these crushers crushing is done by compression or shear or a combination of both and rock boulders get crushed in the longitudinal axis resulting in flaky material.

In Impact crusher, crushing is done by brute force unleashed by multiple collisions of stones in a Whirl wind caused by fast rotating rotor. This Impact action, striking together of stones against each other at very high speeds results in fracturing stones very similar to the natural process of rivers, unleashing hydropower in its course causing disintegration and multiple collision of stones that produce sand.

Sand so produced are cubical in shape and hence strong and require minimum quantity of cement or bitumen. So Government and Indian standard specifications insist or rather permits use of aggregates, coarse or fine obtained from Impact Crushers only. Jaw/Cone/Roll crusher materials are not approved by Government.

ROTOR

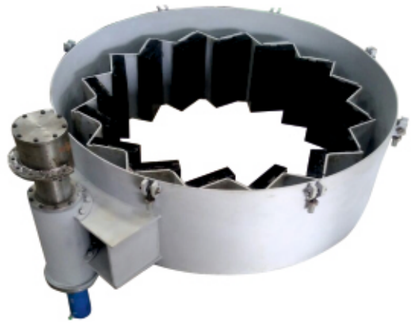
The Rotor assembly is very sturdy, well balanced, loaded with wear resistant liner.

High quality tungsten carbide tips brazed on to backup plates/brackets accurately positioned ensure longer life and higher production.

Crushing Chamber

Deepa Impactors are provided with anvils of special alloy steel for maximum sand production.

Geometry of the Crushing Chamber is designed to ensure multiple collisions and optimum impacts.



Deepa Sand Max Vertical Shaft Impactor

Deepa sand max Impactors are designed to meet the Indian standard specifications and can be fine tuned to meet the gradation levels required for each application.

Deepa sand max impactors are of robust construction, to withstand heavy loads. The Rotor assembly is very sturdy, well balanced, loaded with wear resistant liner High quality tungsten carbide tips braced on to backup plates/ brackets accurately positioned ensure longer life, higher production and vibration free performance.

Feed material drops through the feed tube onto the enclosed rotor which, through centrifugal force, throws the material against stationary anvils made up of composite metal alloys. When the rock impacts the anvils, it shatters along natural stress lines, creating a uniform, cubical product. This method of crushing by impacting and multiple collisions ensures maximum output of cubical sand fines, more economical to operate.

The rotor is mounted on to a hard precision machined alloy steel shaft fitted with heavy roller bearings in double sleeved cartridges well protected against ingress of dust.

The top cover lid is quickly lifted and turned around by hydraulic system. This enables easy access to all serviceable parts. " Servicing in comfort" a true reality.

Deepa VSIs are the most power efficient of all VSIs due to the unique geometry, Rotor, and Rock on Anvil to meet desired feed and product sizes.

The drive will be from energy efficient induction motors of reputed make with foot mounts but Specially designed for vertical mounting. And drive transmission shall be through multi grooved taper lock pulleys.

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