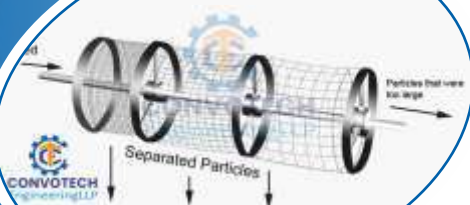




CONVOTECH
Engineering LLP



Screw Sand Washer



Rotary Sand Screening



Bucket Sand Washer



Hydro Cyclone Sand Washer



CONVOTECH
Engineering LLP
Simplifying Engineering...

SAND SCREENING & WASHING

We Are Manufacturer & Exporter of

- Screw Sand Washer
- Rotary Sand Screening
- Bucket Sand Washer
- Hydro Cyclone Sand Washer
- Spiral Classifier and Screening Plants etc...
- Mobile Sand Washing Plants
- Mobile Sand Screening Plants

About us

CONVOTECH ENGINEERING LLP OVERVIEW

Convotech Engineering LLP is a leading manufacturer, exporter and supplier company in India. We manufacture sand washing plant, sand washing machine, sand screening plant, spiral classifier & screening plant etc. We are committed to provide costcompetitive value-added services to our customers. From maintenance to repair, we are at the forefront of our after-sales service network offering solutions to the best of our ability. We have hired experienced professionals to guide clients on equipment operation to avoid accidents caused by product misuse. Best Industrial Experience “Our sand washing machine manufacturer company in India will provide you the best equipment to meet your expectations. “We are open to all kinds of new ideas. After all, at our core, we are a manufacturer and exporter company in India that provides a sand washing plant, sand washing machine, sand screening plant, spiral classifier and screening plant. Plant services to entrepreneurs around the world through our work on passion.



CONVOTECH VISION

Convotech will challenge existing sand washing management and power generation practices by designing and delivering innovative state-of-the-art circular economy solutions that will change that area of business forever. Convotech will complement the search for renewable energy in developing countries and revolutionize both waste energy solutions and the way they are delivered.



CONVOTECH MISSION

Convotech will enhance the economic, environmental and social well-being of developing countries by providing sand washing solutions and services to the best of our ability. Our solutions reduce sand washing-related challenges and provide equal sustainable growth to the energy sector, sand washing management companies, investors and the local population.



SAND WASHING PLANT



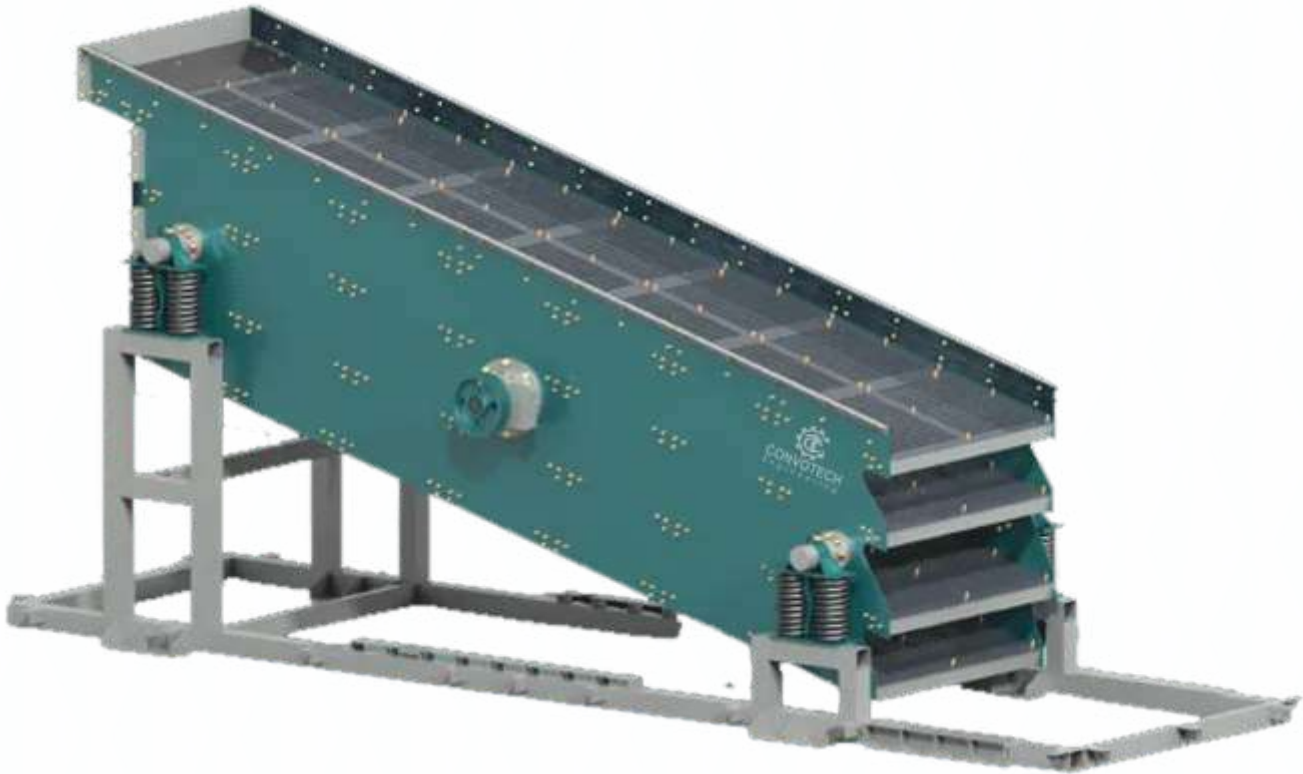
Convotech Engineering LLP is a professional company where we sell high-quality sand washing plants and services to our customers. We have buyers from all over India and also some internationals who order our sand washing plant for business use. Are you looking for a reliable supplier of sand washing Machine? If so, we can offer you unmatched quality at a competitive price! "The best way to get quality sand washing equipment is to buy directly from the manufacturer! Our goal is to ensure customer satisfaction."

FEATURES & ADVANTAGES :



- Designed with field proven, state-of-the-art equipment.
- Lab-scale testing for optimal equipment configuration
- Reasonable constitution and minimum maintenance.
- High processing capacity and low power consumption.
- Durable strong parts and low cost

VIBRATING SCREEN



Convotech Engineering LLP, designed Vibrating screens are versatile. They can be used for primary, secondary and tertiary screening. MVS screen standard slope angle is 18° but can be modified for special applications. It can be used for wet screening fitted with spray pipes.

FEATURES & ADVANTAGES :

- High screening capacity and excellent performance.
- Circular motion modular vibrators with two bearings per vibrator, interconnected by cardan shaft.
- Unique angle of the circular motion MVS Screens are able to achieve higher productivity.
- Modular design is available either as 1, 2, 3 or 4 deck and has excellent segregation to suit the aggregate and mining industries requirements.
- Stroke adjustment through counter weight. Grease lubrication system ensures easy and low maintenance



SAND SCREENING & WASHING PLANT



The sand screening and washing plant is the ultimate solution for washing artificial sand and aggregates. Designed according to the most advanced sand washing and water washing techniques, the main part is made of mild steel plates. Heavy-duty pedestal bearings for classifier and bucket rotor provide smooth radial movement. The classifier has adjustable wiping blades to achieve efficient movement of the feed material. Heavy-duty gearbox with electric drive provides trouble-free radial movement. The sand washing bucket and dewatering screen are equipped with a modular type of polyurethane mesh which makes it last longer and is quite easy to replace. An optional package of the hydro cyclone and the slurry pump is also available for improved efficiency.

FEATURES & ADVANTAGES :



- hassle free performance
- Low power consumption
- High efficiency

MOBILE SCREENING PLANT



New Generation Mobile Screening Plant, Manufacturing Solution Best, **Convotech Engineering LLP** Find Used Crushing Mobiles - Crushing & Screening for Sale in Your State or Anywhere in India and Asia, Find the Crushing and Screening Models the New Crushing Mobiles You Are Looking for - Search within our wide range of Crushing & Screening Models. Being a leader in the industry, we are engaged in offering a qualitative range of TP-M100 Mobile Screening Plant to our clients.

FEATURES & ADVANTAGES :



- **Robust and Sturdy Design.**
- **Occupies minimum space thereby optimizing space utilization.**
- **Wear resistant liners can be provided for handling abrasive materials.**

PLASTER SAND WASHING PLANT



Convotech Engineering LLP specializes in plaster sand washing plant project supply, we offer turnkey solutions to our customers. For a customized packaged solution, we work closely with our customers to meet their specific needs. Exclusive product for the supplier of these machines.

Plaster sand washing plant is ideal for separating and cleaning dust and powder from the sand. Optimal efficiency through low power consumption, small loss of sand during the washing process and low water consumption during processing by automatic recycling system. The driving parts of the machine are separated from the water and sand. Our system is suitable for washing natural as well as artificial sand.

FEATURES & ADVANTAGES :



- Hassle free performance
- Low power consumption
- High efficiency

HYDRO CYCLONE WITH DEWATERING SCREEN



Hydrocyclone with dewatering screen is a common tool in the mining industry, it can be widely used in mines, ore, slurry, sand washing plant, sand production plant, mine, construction, concrete mixing plant, etc. In **Convotech Engineering LLP**, we also called the dewatering screen with a cyclone as a sand recycling machine.

Sand washing machine is an indispensable tool in sand and gravel processing plant. But you should all know that there is a big defect in the sand washing machine, which is the loss of serious fine materials.

Hydrocyclone with dewatering screen is designed to solve the above problem that leaves the sand washing machine, as the name implies, devices that are mainly composed of vibrating dewatering screen and cyclone. Hence, we also call it fine sand recycling machine. The amount of fine sand loss can therefore be controlled within 5%,

which can solve the fineness of the finished sand and the partiality of the stone powder in the artificial aggregate processing system

BUCKET WHEEL TYPE SAND WASHING PLANT



Convotech Engineering LLP is the production of a bucket wheel type sand washing plant for washing clay in the sand with the aim of improving the quality of sand. Due to their simple design, they simplify the assembly process; these bucket wheels benefit users with low power consumption and water savings.

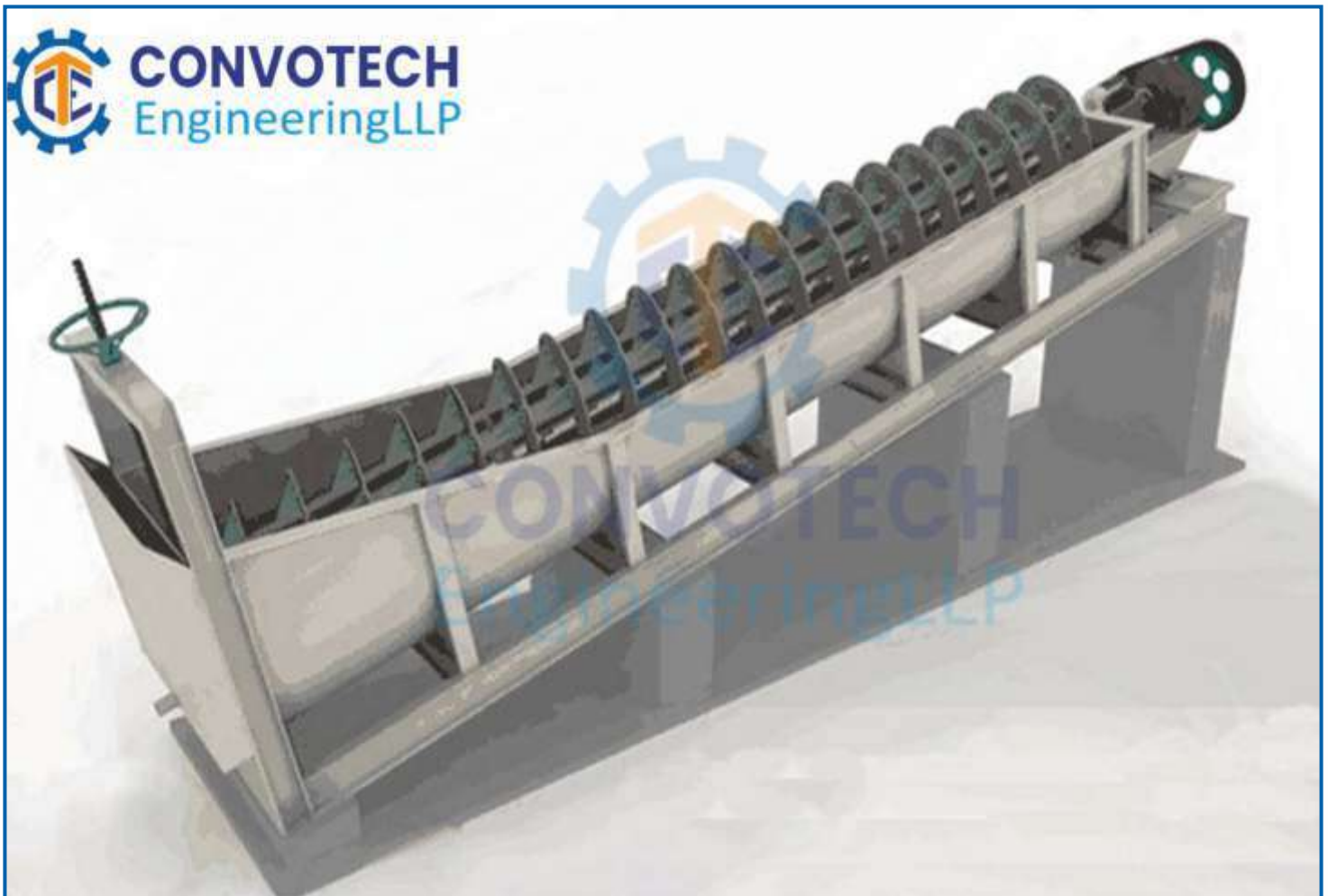
It is one of the most advanced technologies for mineral and sand washing systems in India. Requires less space. Less power, easier transport, more efficient at work. It can also be used for silica sand and river sand and other sands.

FEATURES & ADVANTAGES :



- Simple structure.
- Water saving.
- Low power consumption.
- Ease of installation

SINGLE SCREW CLASSIFIER



Convotech Engineering LLP - Spiral Classifier is also known as the Screw Classifier, or Spiral Mineral Separator is a highly efficient classification designed to separate slides (fines) from close circuit wet classification and sandy-sized (coarse) materials. It is suitable for classification, where splitting of two-product sizes is required. Due to its inherent operational qualities, Convotech Engineering is ideally suited for spiral classifier sizing application, washing application and dewatering sand or water extraction from the remnants of hydro cyclone or lower screen.

Heavy media separators for upgrading purposes, dewatering, desalination, washing and classification in Iron Ore Mining and Coal Benefit. Classification of cyclone underflows in closed circuit grinding mills and gold ore, tin ore, tantalite ore, copper ore, wolframite ore, molybdenum ore, etc. Silica sand washing, dissolving, dewatering and sand and gravel operations.

TWIN SCREW CLASSIFIERS



Twin Screw Classifiers and hydrocyclone are the main equipment's for the classification operation of the concentrator. Although the rapid development of the cyclone once made the spiral classifier lose its market, but with the continuous changes in the requirements of the selection plant, it was found that the spiral classifier also has its advantages.

The spiral centrifugal classifier has the advantages of strong continuous operation, large processing capacity, low energy consumption per unit output, and convenient maintenance. It can handle particles with a diameter of 1 μ m-10mm. The horizontal spiral centrifugal classifier adopts the method of wet classification, and its processing capacity can reach 1~20 (m³ slurry) kg/h. It is widely used in minerals, metal powders, chemical raw materials, pigments, fillers etc.

DEWATERING SCREEN



We are leading manufacturer and supplier of Dewatering Screens. The dewatering screens offered are specially designed to facilitate the removal of mined ore water. The dewatering screens we provide are resistant to water or moisture damage. The dewatering screens offered are available at very affordable rates.

Our company has successfully expanded its business in the market due to the elevated quality array offered by Convotech Engineering. Our offered screens are adhered to industry quality standards by our skilled professionals using high-grade factor input and the latest technology. In addition, our supplied screen undergoes various tests under the supervision of quality controllers to ensure its flawlessness. They separate and expel excess water into the washed sand to remove water-soluble impurities. Customers can get these screens from us in customized options and at market-leading rates.

FEATURES & ADVANTAGES :



- **Sturdiness**
- **Long operational life**
- **Excellent performance**

SCREW SAND WASHER

		CAPACITY	CAPACITY	CAPACITY	CAPACITY
	MM	1800	1700	2200	2800
	INC	71	67	86.6	110.2
WATER TANK	LITERS	45000	5000	6000	8000
MOTOR POWER	HP	7	10	12	12
	KV	5.5	7.5	9.3	9.3
WEIGHT	TONS	3.6	5.2	7.1	8.5

BUCKET SAND WASHER

		CAPACITY	CAPACITY	CAPACITY	CAPACITY
DISCRIPTION	UNIT	45-60	60-80	80-120	120-160
WHEEL DIAMETER	M	2.27	2.5	2.75	3.1
NO OF BUCKET		34	18	42	42

Hydrocyclone Washer

DESCRIPTION	UNIT	PW 100 V2	PW 150 V2	PW 200 V2	PW 250 V2
*Capacity	TPH	60 - 80	80 - 120	120 - 160	150 - 250
Hydro Cyclone Size	mm	400	400	500	500
	(inch)	(15.7)	(15.7)	(19.7)	(19.7)
Slurry Pump Size (Suction x Delivery)	mm	152.4 x 101.6	203.2 x 152.4	203.2 x 152.4	203.2 x 152.4
	(inch)	(6.0 x 4.0)	(8.0 x 6.0)	(8.0 x 6.0)	(8.0 x 6.0)
Slurry Pump Capacity	m ³ /hr	130	222	278	370
Slurry Pump Power	kW	15	30	37	45
	(hp)	(20)	(40)	(50)	(60)
Weight	kg	8400	8800	11800	14000
	(Ton)	(8.4)	(8.8)	(11.8)	(14.0)

Dewatering Screen

		PDW 100	PDW 150	PDW 200	PDW 250
Screen Area (W x L)	mm	1800 x 2800	1800 x 2800	1800 x 4000	2400 x 3850
*Capacity	TPH	60 - 120	90 - 120	120 - 160	150 - 250
Operating Angle	deg	0o to 2o	0o to 2o	0o to 2o	0o to 2o
Motor Power	kW	2 x 2.88	2 x 2.88	2 x 6.2	2 x 11
	(hp)	(2 x 4)	(2 x 4)	(2 x 8)	(2 x 15)
Weight	kg	2400	2400	3800	4900
	(Ton)	(2.4)	(2.4)	(3.8)	(4.9)

MESH / INCH / MICRON / MILLIMETER - CONVERSION CHART (U.S. STANDARD)

U.S. MESH	INCHES	MICRONS	MILLIMETERS
3	0.2650	6730	6.730
4	0.1870	4760	4.760
5	0.1570	4000	4.000
6	0.1320	3360	3.360
7	0.1110	2830	2.830
8	0.0937	2380	2.380
10	0.0787	2000	2.000
12	0.0661	1680	1.680
14	0.0555	1410	1.410
16	0.0469	1190	1.190
18	0.0394	1000	1.000
20	0.0331	841	0.841
25	0.0280	707	0.707
30	0.0232	595	0.595
35	0.0197	500	0.500
40	0.0165	400	0.400
45	0.0138	354	0.354
50	0.0117	297	0.297
60	0.0098	250	0.250
70	0.0083	210	0.210
80	0.0070	177	0.177
100	0.0059	149	0.149
120	0.0049	125	0.125
140	0.0041	105	0.105
170	0.0035	88	0.088
200	0.0029	74	0.074
230	0.0024	63	0.063
270	0.0021	53	0.053
325	0.0017	44	0.044
400	0.0015	37	0.037

What does mesh size mean? It is the number of openings in one inch of screen. A 4-mesh screen means there are four squares across one linear inch of screen. A 100-mesh has 100 openings, and so on. As the mesh size increases, the particle size decreases for finer material. Mesh size is not a precise measurement of particle size.

Linear Equivalents: 1 micron = .00003964 inches · 25,400 microns = 1 inch · 1,000 microns = 1 millimeter

Naked-eye visibility threshold = 40 microns





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