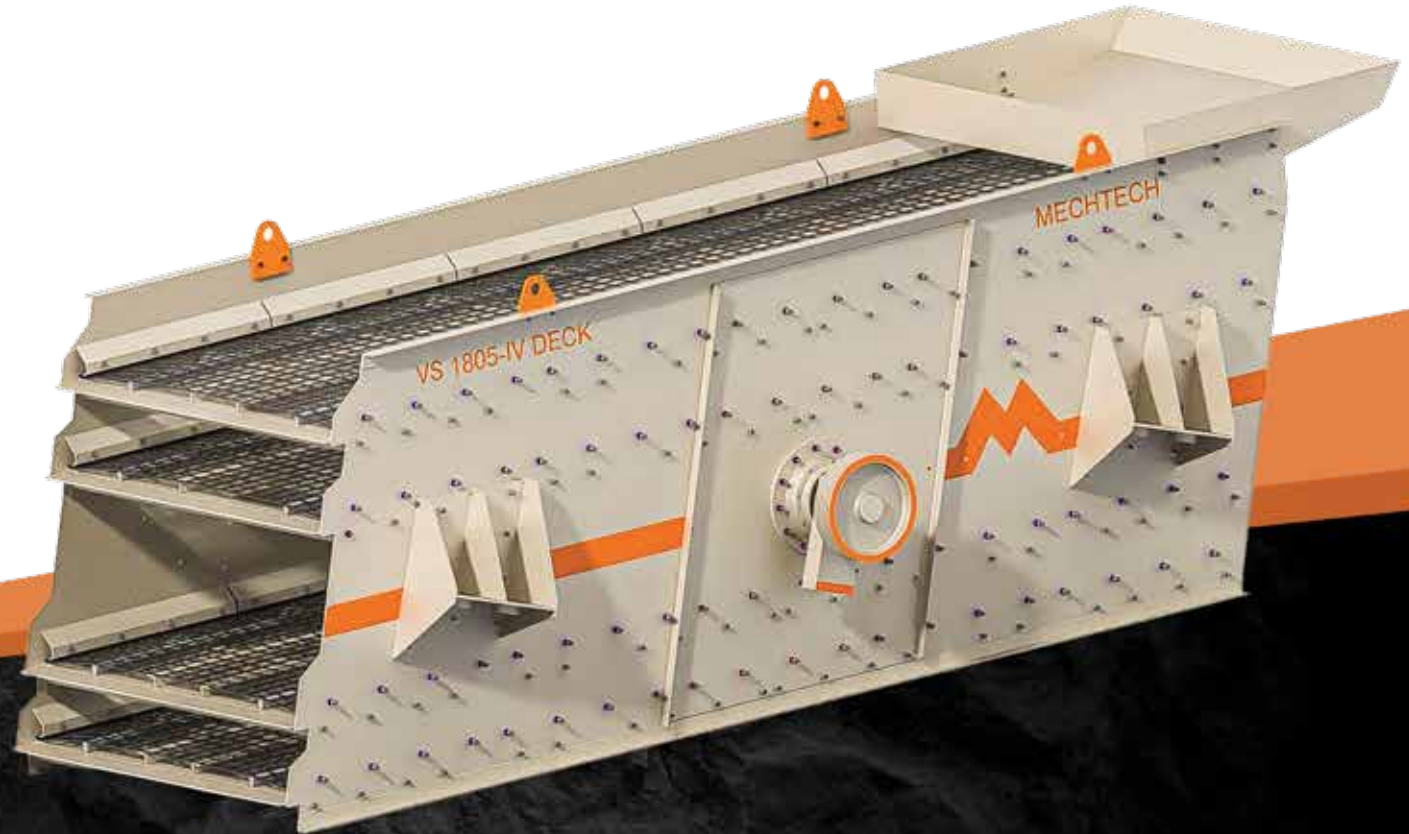


VIBRATING SCREEN

MTVS SERIES



INDIA'S FINEST MANUFACTURERS **SINCE 1987**

Mechtech Inframine was incorporated by a group of qualified and well trained engineers with a vast experience in the field of design, manufacturing, supply and commissioning of different types of crushing & screening equipments and plants. The Company was established way back in 1987 with a view to manufacture and supply various Crushing equipments to cater to the core sector of crushing of Coal, Iron Ore, Lime Stone, Stone Aggregates for Construction of Roads and Buildings, etc.

In the last three decades, we have designed, developed and supplied an enviable number of crushing equipments throughout the country and abroad to handle a variety of minerals. Today we can boast of a comprehensive range of products comprising of Single & Double Toggle JawCrushers, Hammer Mills, Smooth and Toothed Roll Crushers, Horizontal and Vertical Shaft Impactors, Cone Crushers, Reciprocating & Vibrating Feeders, Grizzly Feeders, Vibrating Screens, Sand Washers etc.



WHERE ENGINEERING SURPASSES TRADES



QUALITY



SERVICE



EXPERIENCE

WORKING PRINCIPLE

Mechtech inclined screens are versatile. They can be used for primary, secondary and tertiary screening. The standard slope angle of the screen is 15° or 18°, although it can be adjusted for specific applications.

Mechtech inclined screens offer reliable and versatile screening in aggregates production plants, quarries, gravel pits and mining operations. Their circular motion and variable slope help you achieve a high production capacity and improve profitability.

The screen frame is an independent vibrating mass supported by a set of springs positioned on a rigid base frame. Due to centrifugal force, the mass mounted on the horizontal eccentric shaft is close to the CG of the screen frame, causing oscillating circular motion. It creates a steep angle at which the particle advances on the screen deck, which has a decreasing slope.

The feeding material is subsequently separated, with the oversize material flowing to the discharge section's screen deck and the undersize material escaping out the aperture below. The crushed material is separated using multiple deck arrangements based on their size, shape, bulk density, wetness, capacity, and so on. The screen's motion follows a circular pattern at every point on the screen as it runs due to a well-positioned rotary shaft at its center of gravity; this results in exceptional efficiency in all stages of crushing operations.



SALIENT FEATURES



DURABLE BUILD

Inclined screens have a rugged design and circular motion to circulate material and avoid plugging, while also being designed with safety in mind to reduce operating hazards.



INCREASED PRODUCTION

Because gravity forces material to move down the screen faster, inclined screens have a higher production capacity.



CUSTOMIZABLE

Inclined screens can be customized to improve operational efficiency and profitability, either as a stand-alone unit or as part of a multi-stage process.



HIGH PERFORMANCE

It is robustly designed for optimum performance and ensures ease of transportation, installation, operation and maintenance



HIGHER SCREENING EFFICIENCY

More output can be screened at a time as the screening area is more.



LOW CAPITAL COST

Because inclined screens do not require as much power and are typically implemented with fewer shafts, they often require a lower capital investment.



ENCLOSED DUST COVER(OPTIONAL)

Vibrating screens are also offered with 360° enclosed type dust cover to prevent air pollution.

APPLICATIONS

The Mechtech Vibrating Screen is a versatile piece of equipment that can sieve a variety of minerals. It is frequently used in different crushing and screening plants to separate materials including



SPECIFICATIONS

MODEL	UNIT	MTVS 1020	MTVS 1030	MTVS 1230	MTVS 1240	MTVS 1440	MTVS 1550	MTVS 1640	MTVS 1650	MTVS 1840	MTVS 1850	
Width	mm	1000	1000	1200	1200	1400	1500	1600	1600	1800	1800	
Length	mm	2000	3000	3000	4000	4000	5000	4000	5000	4000	5000	
Maximum Power (HP) Deck	I	HP	5	10	7.5	10	15	20	20	20	20	-
	II	HP	7.5	10	15	20	15	25	20	30/25	20/25	25
	III	HP	7.5	10	-	20	30	25	25	-	-	40
	IV	HP	-	15	-	20	-	25	30	-	-	40

SPECIFICATIONS

MODEL	UNIT	MTVS 1860	MTVS 2050	MTVS 2260	MTVS 1270	MTVS 1440	
Width	mm	1800	2000	2200	2200	3000	
Length	mm	6000	5000	6000	7000	8000	
Maximum Power (HP) Deck	I	HP	-	30	30	40	40
	II	HP	40	30	50	40	50/60
	III	HP	40	30	50	60	-
	IV	HP	40	50	-	-	-

ADVANTAGES

Mechtech's Vibrating Screen MTVS Series can be used for screening even the hardest and toughest of minerals and is the most ideal for sand manufacturing. It produces desired finer output of high quality as the amount of fines present is minimal. Our screens are engineered at higher capacity, low maintenance costs and least power consumption.

-  High screening efficiency.
-  Higher productivity
-  Excellent segregation
-  Easy and low maintenance



WHY MECHTECH MTVS SERIES?

Customers remain permanently associated with 'MECHTECH' to meet their production goals due to engineering experience spanning three decades and excellent after-sales service.

Mechtech Vibrating Screens are proudly made in India and have numerous installations both domestically and internationally.

Our engineering expertise, combined with the use of lean manufacturing techniques, has enabled Mechtech to respond to the changing needs of our customers and applications.

Mechtech provides highly efficient screens to provide primary and secondary crushing solutions with a high return on investment and low operating costs.



INSTALLATIONS

We at Mechtech are bringing our designs and engineering to life, and to the plants for high quality outputs that surpasses the expectations.





MECHTECH INFRAMINE

Formerly



Mechtech Engineers

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Product features and specifications are subject to change without prior notice or obligation. Due to continuous product development, we reserve the right to change the specifications without notice. Photographs and drawings are provided for illustrative purposes only and may vary from the standard product. Mechtech's liability shall be limited to the equipment.

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