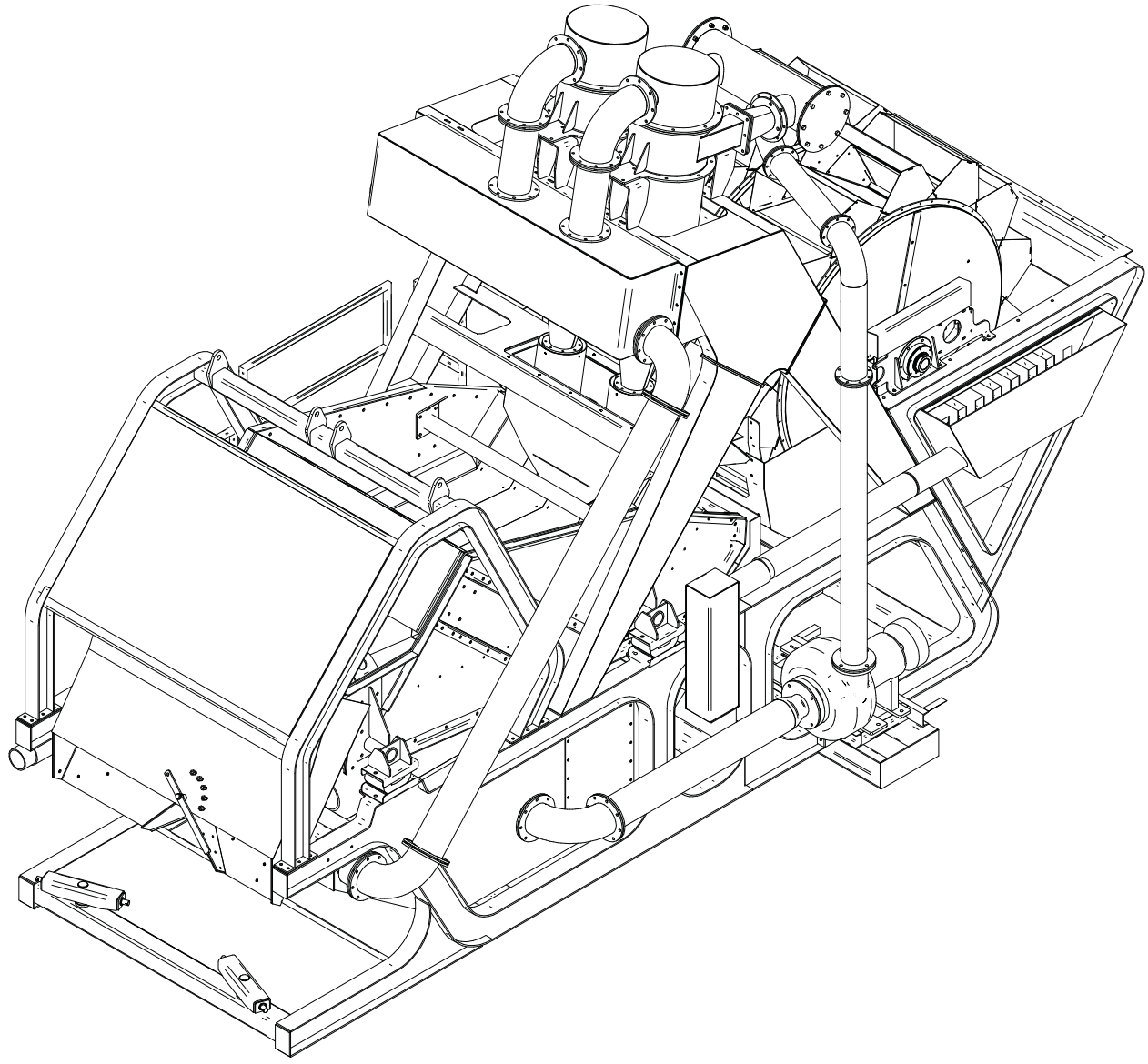
Taurian® MPS

CYCLOWASH

A Taurian Brand





21 Years of Experience

Start to Success, Together

With over 21 years of expertise, Taurian™ has established itself as a leading Indian manufacturer of crushing and screening equipment for aggregates, mining, and mineral processing. The name Taurian™ stands for excellence and reliability globally.

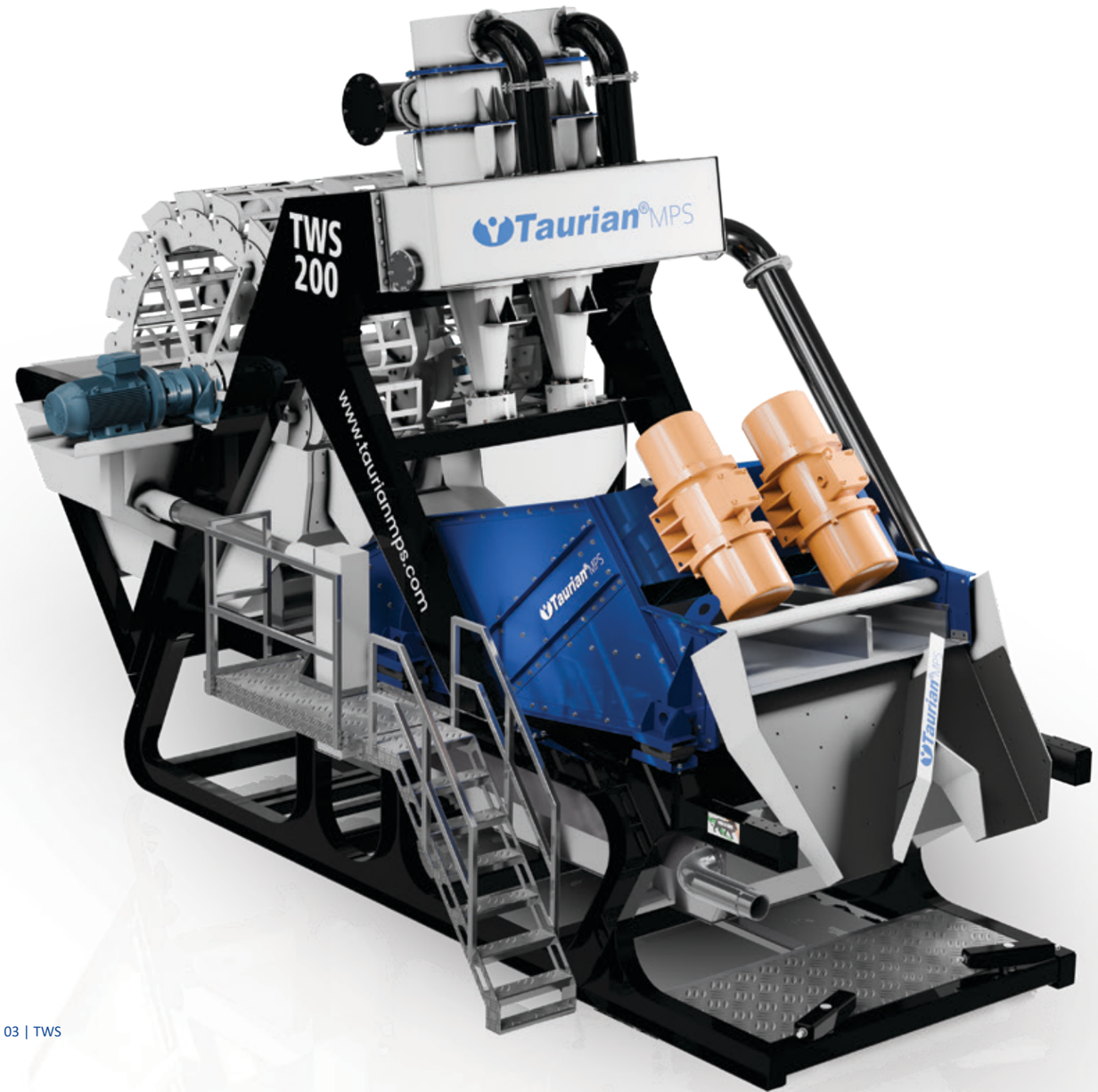
Founded by industry experts, Taurian™ has evolved from a family business to India's only public limited company in its field. Focused on long-term value and quick ROI, Taurian™ has strategic partners with top U.S. and European firms to deliver superior products that meet global industry standards.

Whether you're an experienced veteran or new to the industry, Taurian™ offers extensive support to the global aggregate market through its leading brands, including Taurian MPS™, Terratrak™, Cyclowash™ and Stackmax™.

CYCLOWASH
TWS Cyclobucket

Double Hydrocyclone
Feed Inlet is square to round lined with wear resistant urethane Custom cut points for quick adjustment in the field
HDPE lined overflow pipe

Bucket Wheel
Handles 70% of processing, reducing wear of cyclones and pumps.
Lowers cycle times and reduces operational costs.
Planetary Gearbox to adjust speed of feed



Sump Tank
Self regulating tank (optional sensors)
Bolted cleanout flange to simplify access
Sloped floor to reduce risk of fines buildup

Dewatering Screen
Water moisture content reduction up to 85- 90%
Blending plate with chute to mix outputs

Pumps and Pipes
Rubber lined centrifugal pump with replaceable liners
Easy access for maintenance (optional slide out mechanism)

Outputs
Handles both dry and wet feed
Can remove fines below 75 microns

Chassis
Constructed with robust steel
Galvanized walkways and handrails


Madhya Pradesh | Cyclobucket


Maharashtra | Cyclobucket


Rajasthan | Cyclobucket

CYCLOWASH

TWS Cyclobucket



Automated Load Balancing

The Cyclobucket is equipped with a Variable Frequency Drive for precise control of bucket wheel speed. This allows fine-tuning of retention time, improving dewatering efficiency, sand recovery, and adaptability to varying feed conditions.

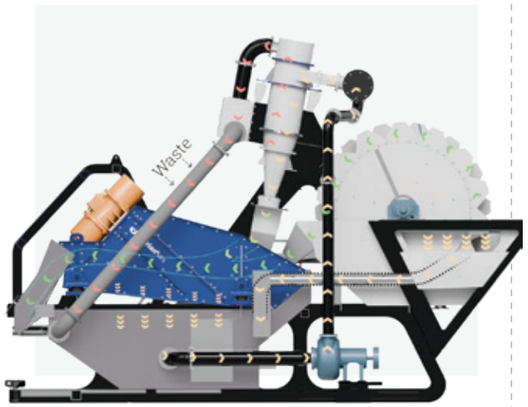


High-Efficiency Vibrating Motor

The Taurian Dewatering Screen is powered by heavy-duty vibrating motors that generate high G-force linear motion, ensuring rapid drainage and material stratification-ideal for reducing moisture content in sand, fines, and slurry-based feed.

Controlled Material Flow

Designed to ensure smooth, regulated flow of material through its rotating mechanism. This controlled discharge minimizes spillage, maintains consistent feed rates, and ensures uniform delivery to downstream equipment, even under variable operating conditions or material loads.



Double Hydrocyclone Setup

The Cyclobucket features a twin hydrocyclone system to efficiently classify and recover fine particles from slurry overflow. This dual-stage arrangement enhances separation accuracy, increases yield, and ensures consistent performance even with fluctuating feed loads.

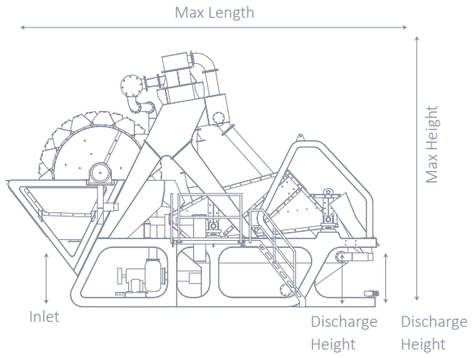


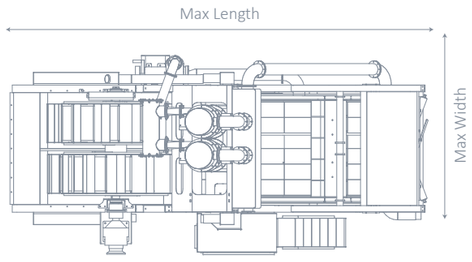
CYCLOWASH

TWS Cyclobucket

Dimensions

Model	Dimensions *(L x W x H)*	Inlet height	Tank waste outlet height	Discharge height
TWS 150B	7850 x 4000 x 5400 mm	2500 mm	1070 mm	1000 mm
TWS 200B	7850 x 4000 x 5400 mm	2500 mm	1070 mm	1000 mm





Technical Specification

Model	TWS 150B	TWS 200B
Capacity	80-120 TPH	140-200 TPH
Hydrocyclone size	375 x 2 mm	500 x 2 mm
Pump size	150 x 125 mm	200 x 150 mm
Pump motor	30 kW	30 kW
Slurry flow rate	120-150 m³/hr	200-250 m³/hr
Inlet/outlet flange	250/200 mm	250/250 mm
Wheel diameter	2700 mm	2700 mm
Number of buckets	32	32
Bucket speed	1.3 rpm	1.3 rpm
Dewatering screen	1800 x 2400 mm	1800 x 3700 mm
Screen motor	2 x 3 kW	2 x 3 kW
Bucket motor	11 kW	11 kW
Weight	16500 kg	18500 kg

Recycling

Cleaner Materials

Industrial Sand

Crystal Clear Results Every Single Time

Client: Radhe Govind Stone Crusher
Location: Rajasthan, India
Challenge: Increase silica sand production.

Background:
Radhe Govind, operates a silica sand deposit in Gujarat, they sought to improve the quality of its product further by reducing fines and impurities.Operating in a dry region, they faced a challenge of balancing production with water conservation.

Solution:
Taurian recommended their 200 TPH Bucketwheel Plant with the hydrocyclones having specialized spigots.

Results:
They are producing in-spec silica sand suitable for the glass and paints industry, resulting in a higher-value product with reduced moisture. Taurian's solution also significantly reduced water consumption.

Client: Alok Stone Crusher
Location: Madhya Pradesh, India
Challenge: Increase sand production to meet local demand.

Background:
Alok Stone Crusher, a well-established player in the aggregate industry, faced a challenge in keeping up with the increasing demand for high-quality sand. Traditional methods were limiting the operation to a single-grade sand, and the need to improve production efficiency became critical.

Solution:
Taurian recommended their CycloTwin wet processing technology, featuring double hydrocyclone. This allowed Alok Stone Crusher to upgrade their production capabilities, enabling the production of two grades of sand—fine (0 – 1.5mm) and coarse (0 – 5mm).

Results:
The system not only enhanced sand quality but also increased production by 30%, while reducing water usage by 15%. The superior quality attracted new customers, including a contract to supply 10,000 tons per month of washed sand to a client who had previously sourced river bed sand.


CYCLOBUCKET | Jaipur, Rajasthan

CYCLOWASH
TWS Cyclobucket









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When only the best will do,

choose Taurian MPS.

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