

**Taurian**<sup>®</sup>MPS

# CYCLOWASH

A Taurian Brand



THICKENER<sup>™</sup>









## 20 Years of Experience

### Start to Success, Together

With over 20 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™.

# The Journey

through the years

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#### 2005: Establishment

- Foundation: Established in Roorkee, Uttarakhand, India.
- Vision: Aimed to offer innovative and cost-effective crushing and screening solutions and aggregate products to the mining and construction industries

#### 2006: Technological Advancements

- Vertical Shaft Impactors (VSI): Introduced Falcon VSI crushers for improved sand production and shaping.
- Cone Crushers: Launched GS series cone crushers designed for secondary and tertiary crushing.
- First Plant: Commissioned first crushing plant in Eastern India

#### 2014: Mobile Equipment Introduction

- Wheeled Crushing Units: Developed and commissioned wheel mounted crushing plant for easier in pit crushing and road construction projects
- Track Screening Unit: Introduced the Panther Series for screening fly ash and coal, with completely mobile diesel-powered units.

#### 2016: Restructuring and Expansion

- Expanded Operations: Expanded presence into every single state in India, to establish brand nationwide

#### 2018: Industry Success

- Factory Restructuring: Optimized processes in factory to maximize capacity and efficiency
- Product Upgrades: Debuted upgraded series of TJ Jaw Crushers, CG Cone Crushers and T-Series VSI

#### 2020: Industry Success

- Product Launches: Released one of India's first high frequency screens, for dry screening of sand
- Product Upgrades: Expanded crushing and screening range of equipment, now capable of up to 800 tph for large operations

#### 2022: Terratrak Series

- Hybrid Track Plants: India's first hybrid track mounted crusher which reduced operational expense of fuel by up to 80%

#### 2023: Cyclowash

- Washing Range: Launched the Cyclowash range of washing systems to offer existing customers value addition

#### 2024: Global Expansion and Inorganic Growth

- International Dealer Network: Expanded dealer network globally
- Joint Venture: Signed Joint venture with major European engineering design company to jointly serve major players in the mining and metals market
- Conveyor Systems: Launched Stackmaxx conveyor systems including telescopic conveyers, track mounted conveyers etc for major mining projects and port handling systems.

# Designed for Maximum Productivity

PLC or Marshalling panel

Electric drive and lift

Unique rake mechanism for optimal sludge conditioning

Wastewater delivered to the centre of the thickener to allow maximum time for material settlement





Truss support bridge with full span galvanised walkway

Metered Flocculant dosing system with valves, hoses, injectors

Gasket sealed outlets with three slurry nozzles and one manhole

Heavy duty steel support legs and bracing

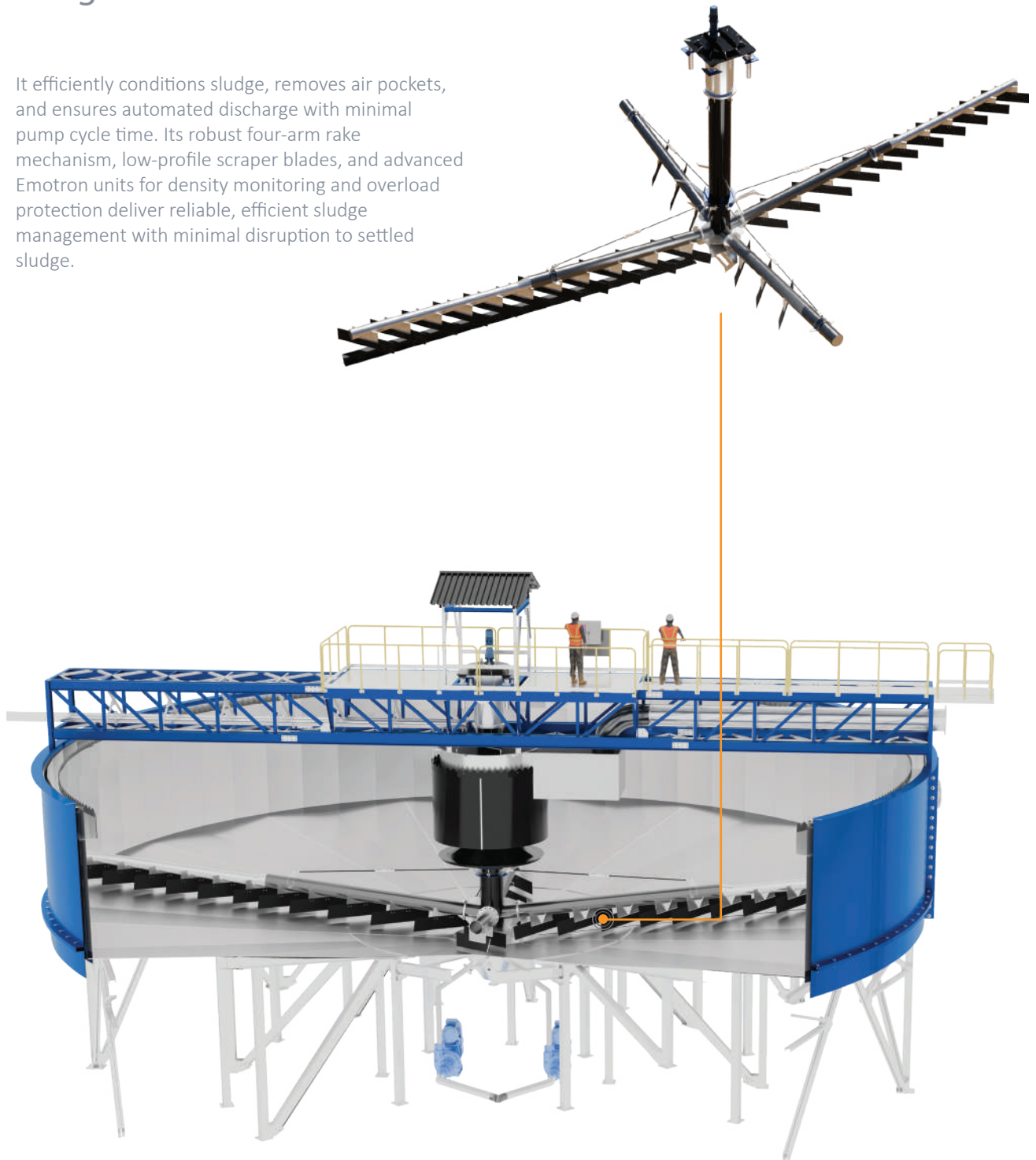
Prewired and factory tested cone section with integrated sludge pump to allow for rapid setup



# Modular Design

## Integrated Rake Mechanism

It efficiently conditions sludge, removes air pockets, and ensures automated discharge with minimal pump cycle time. Its robust four-arm rake mechanism, low-profile scraper blades, and advanced Emotron units for density monitoring and overload protection deliver reliable, efficient sludge management with minimal disruption to settled sludge.





## Dozing Station

This dozing unit supplies polyelectrolyte to the Cyclowash thickener for effective sludge settlement and water recycling. Designed to match project-specific silt and wastewater volumes, its storage tank allows extended holding time, ensuring complete electrolyte activation and optimal performance.

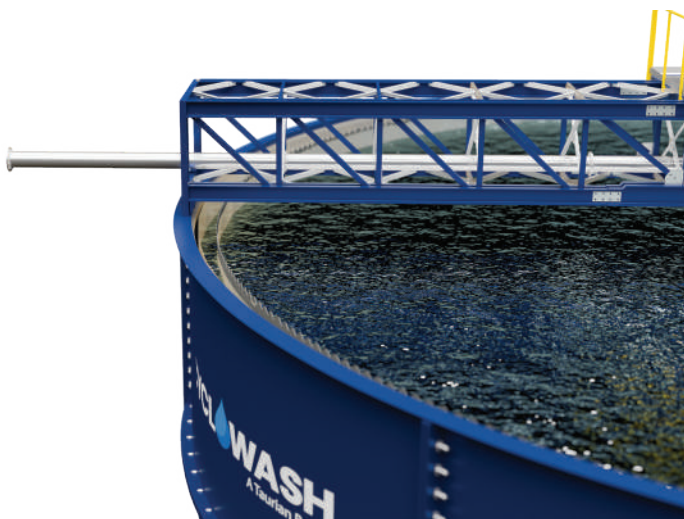


## Center Diffusion Drum

Material is directed to the Cyclowash thickener center via a transfer pipe, slowing its flow and promoting laminar movement. Central discharge maximizes the distance from the overflow weir, ensuring efficient sludge settlement while enhancing the overall performance and operational efficiency of the Cyclowash system.

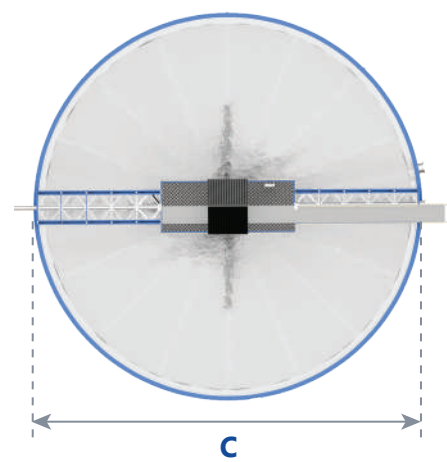
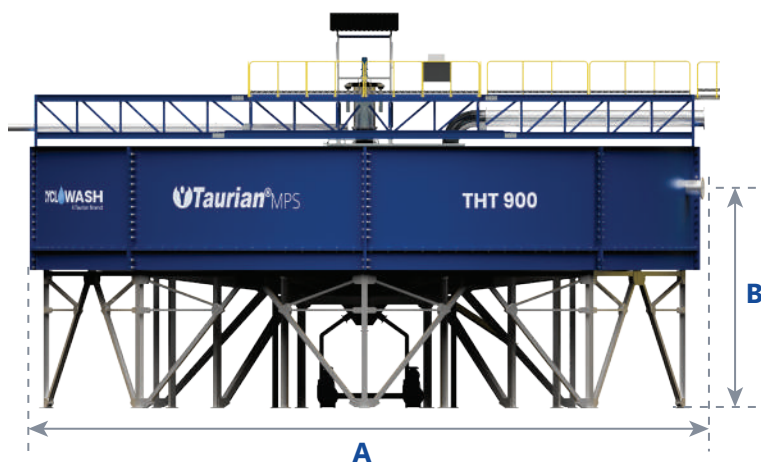
## Peripheral Weir

The outer weir placement on the Cyclowash thickener tank ensures maximum distance between feed entry and clean water discharge, reducing suspended solids in recycled water. The discharge point is customizable to suit site-specific requirements, enhancing efficiency in water recycling and operational adaptability.



# Technical Specification

Model		THT100	THT200	THT400
Maximum Feed Rate		100m³/hr	200m³/hr	400m³/hr
Sludge Flow Rate		5 T/hr	10 T/hr	20 T/hr
Sludge Pump		3/2	3/2	4/3
Sludge Pump Power Requirement		11 kW	11 kW	15 kW
Rakes Power Requirement		1.1 kW	2.2 kW	3 kW
Weight (Empty)		8 T	11 T	20 T
Weight (Full)		60 T	120 T	200 T
Feed Height		3350 mm	3620 mm	4420 mm
Clean Water Discharge Height		3450 mm	3640 mm	4490 mm
Dimensions	A	5 m	8.1 m	10.5 m
	B	3.4 m	3.6 m	4.4 m
	C	4 m	6 m	8 m





THT600	THT1500
600m³/hr	1500m³/hr
30 T/hr	80 T/hr
6/4	6/4
30 kW	45 kW
4 kW	4 kW
25 T	65 T
270 T	750 T
4600 mm	7200 mm
4800 mm	4800 mm
12.8 m	16.7 m
4.4 m	4.4 m
10 m	15 m

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