

CYCLWASH

A Taurian Brand

COMBO



CYCLOSWIFT



CYCLOTWIN



CYCLOBUCKET



FRAC



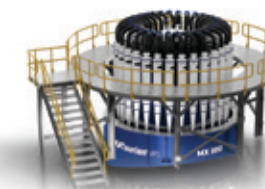
CYCLOSCREEN



LOG WASHER



SPIRAL CLASSIFIER



CLUSTER CYCLONE



DEWATERING SCREEN



WET SCREEN



THICKENER

Sand washing plant (Single Wash)

Model	TWS 100	TWS 150	TWS 200
Capacity	80-100 TPH	120-150 TPH	180-200 TPH
Feed Size	Below 5mm	Below 5mm	Below 5mm
Coarse	59.5	89.25	119
Fines	22.95	34.42	45.9
Silt (%)	15%	15%	15%
Pump Flow-rate	189	283	378
Pump Size	6/4 R/L	8/6 R/L	8/6 R/L or, 10/8 R/L
Hydro-cyclone size	500	500X2	600X2 Or, 600-1 & 500-1
Sump Volume	9.05	13.56	18.11

Sand washing plant (Single Wash)

Model	TWS 100	TWS 150	TWS 200
Pump Motor (kW)	30 kW	45 kW	55 kW
Dewatering Screen	1.8x3.0	1.8x4.0	1.8x4.0
Screen Motor (kW)	3.2x2 kW	6.2x2 kW	9.3x2 kW
Thickener Size	8	10	12
Rake motor	3.7 kW	3.7 kW	3.7 kW
Sludge Pump	3/2 M/L	4/3 M/L	6/4 M/L
Motor (kW)	9.3 kW	15 kW	22 kW
Top-up Water (M^3/Hr.) -Max.	20-25	30-35	40-45
Chemical Dosing system	Standard	Standard	Standard

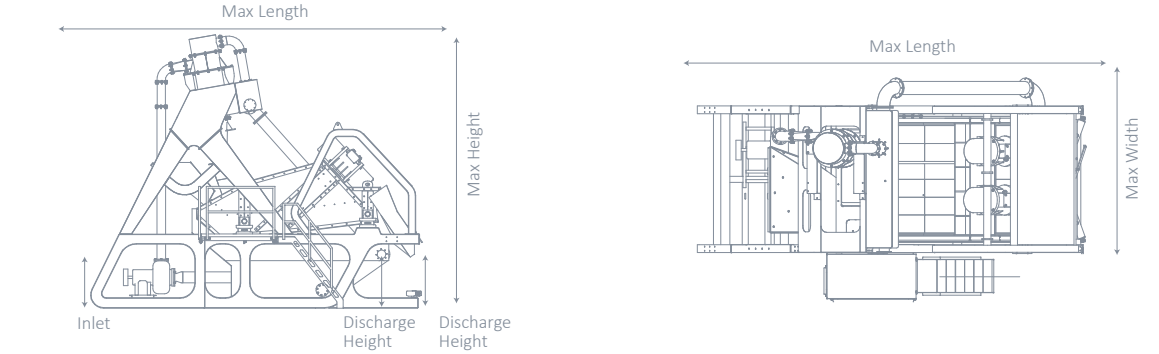


Sand washing plant (Dual-Wash)

Model	TWS-D-100	TWS-D-150
Capacity	80-100 TPH	120-150 TPH
Feed Size	Below 5mm	Below 5mm
Coarse	51.6	77.4
Fines	28.4	42.6
Silt (%)	20%	20%
Slurry Pump-1 Flow-rate	438	658
Slurry Pump-1 Size	8/6 R/L	8/6 R/L
Hydro-cyclone-1 Size	400 x 2	600 x 1,500 x 1
Sump-1 Volume	20.99	31.53
Slurry Pump-1 Motor (kW)	55 kW	75 kW
Slurry Pump-2 Flow-rate	150.83	1.8x4.0
Slurry Pump-2 Size	6/4 R/L	6/4 R/L
Hydro-cyclone-2 size	400 x 1	500 x 1
Sump-2 Volume	7.23	10.84
Slurry Pump-2 Motor (kW)	22 kW	30 kW
Dewatering Screen	1.8 x 3.0 m	1.8 x 4.0 m
Screen Motor (kW)	3.2 x 2 kW	6.2 x 2 kW
Thickener Size	8	10
Rake motor	3.7 kW	3.7 kW
Sludge Pump	3/2 M/L	4/3 M/L
Motor (kW)	9.3 kW	15 kW
Top-up Water (M^3/Hr.) -Max.	30-35	40-45
Chemical Dosing system	Standard	Standard

- Compact Modular Design**
The unit integrates dewatering screen, hydrocyclone, slurry pump, and sump into a single skid-mounted structure. This minimizes footprint and simplifies plant layout.
- Minimal Civil Foundation Requirement**
Skid-mounted assembly requires minimal civil work for installation and facilitates faster commissioning and plant mobility when needed.
- Hydrocyclone Classification**
The hydrocyclone provides precise cut-point separation, efficiently removing fines below the desired grain size.

- Integrated Dewatering Screen**
Removes excess water from classified sand and ensures a drier final product with moisture content typically below 12–15%.
- Sump Tank**
Self Regulating Tank (optional sensors)
Bolted cleanout flange to simplify access
Sloped floor to reduce risk of fines buildup
- Pumps and Pipes**
Rubber Lined centrifugal pump with replaceable liners
Easy access for maintenance
(optional slide out mechanism)



Dimensions

Model	Dimensions (L x W x H)	Inlet height	Tank waste outlet height	Discharge height
TWS 70	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm
TWS 100	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm
TWS 150	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm
TWS 200	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm

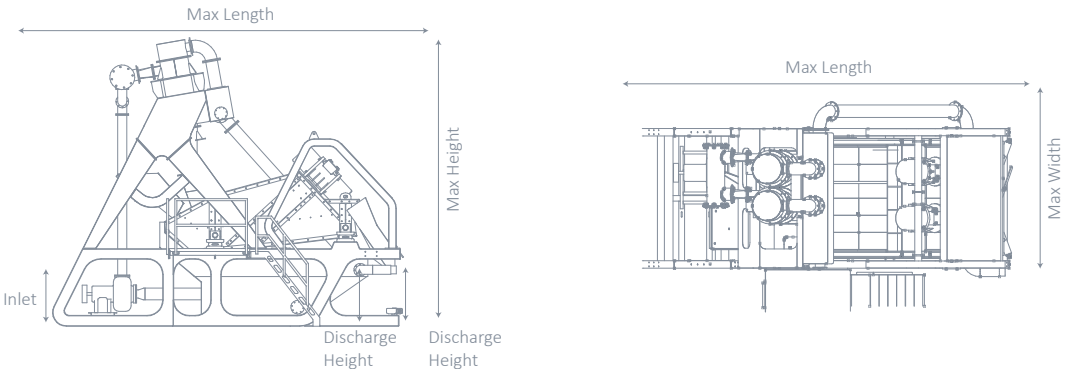


Technical Specification

Model	TWS 70	TWS 100	TWS 150	TWS 200
Capacity	50 TPH	80-100 TPH	90-120 TPH	120-160 TPH
Hydrocyclone size dia	375 mm	500 mm	500 mm	500 mm
Pump size	100 x 75 mm	150 x 100 mm	150 x 100 mm	200 x 150 mm
Pump motor	22 kW	30 kW	30 kW	30 kW
Slurry flow rate	130 m³/hr	190 m³/hr	240 m³/hr	370 m³/hr
Dewatering screen	1200 x 2400 mm	1800 x 3000 mm	1800 x 3600 mm	2100 x 4300 mm
Screen motor	2 x 2.2 kW	2 x 3.2 kW	2 x 3 kW	2 x 3 kW
Sump capacity	5.5 m³	5.5 m³	5.5 m³	5.5 m³
Weight	9500 kgs	9700 kgs	13500 kgs	16500 kgs

- Double Hydrocyclone Configuration**
Two high-efficiency hydrocyclones operate in parallel, enabling higher throughput and improved fine separation.
- Sump Tank**
Self regulating tank (optional sensors)
Bolted cleanout flange to simplify access
Sloped floor to reduce risk of fines buildup
- Integrated Dewatering Screen**
Removes excess water from classified sand and ensures a drier final product with moisture content typically below 12–15%.

- Pumps and Pipes**
Rubber lined centrifugal pump with replaceable liners
Easy access for maintenance (optional slide out)
- High-Capacity Processing**
Handles large slurry volumes with stable performance and suitable for medium to high tonnage operations in both natural and manufactured sand plants.
- Increased Fines Recovery Efficiency**
Maximizes recovery of fine sand fractions while reducing ultra-fines in the overflow, resulting in higher product yield and better sand grading.



Dimensions

Model	Dimensions (L x W x H)	Inlet height	Tank waste outlet height	Discharge height
TWS 150-II	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm
TWS 200-II	6500 x 3500 x 5400 mm	3000 mm	1070 mm	1000 mm



Madhya Pradesh | Cyclotwin



Rajasthan | Cyclotwin



Jharkhand | Cyclotwin

Technical Specification

Model	TWS 150-II	TWS 200-II
Capacity	150 TPH	200 TPH
Hydrocyclone size dia	375 x 2 mm	500 x 2 mm
Pump size	150 x 100 mm	200 x 150 mm
Pump motor	30 kW	30 kW
Slurry flow rate	240 m³/hr	370 m³/hr
Dewatering screen	1800 x 3600 mm	2100 x 4300 mm
Screen motor	2 x 3 kW	2 x 3 kW
Sump capacity	5.5 m³	5.5 m³
Weight	13500 kgs	16500 kgs

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

Dewatering Screen

Water moisture content reduction up to 85- 90%
Blending Plate with chute to mix outputs

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

Outputs

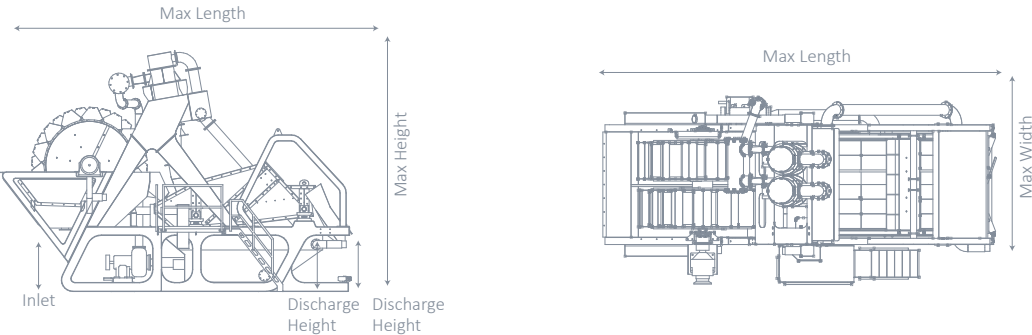
Handles both dry and wet feed
Can remove fines below 75 microns

Pumps and Pipes

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

Chassis

Constructed with robust steel
Galvanized walkways and handrails



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



Madhya Pradesh | Cyclobucket



Maharashtra | Cyclobucket



Rajasthan | Cyclobucket

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 kgs	18500 kgs

Slurry Box

Fully enclosed, sealed and rubber lined wash box.
Easily replaceable rubber lining.
Water saturation of material.
Targeting of material at rear of screenbox maximising screening area.

Main Tank

Large inspection door(s) on tank
Large volume sump tank with overflow box, baffle plates, pump protection system and drain ports

Sand Conveyors

37ft (11.3m) sand conveyors
Automated Radial
20° incline
Stockpile capacity 575yds³ (440m³)
High-quality polyurethane scraper
100ft (30.5m) conveyor option

Rinser Screenbox

Choice of 2 deck or 3 deck
Patented iso-spray technology for flexibility
Integrated sealed subframe and catchbox
Aggregate blending chute

Pumps

All pumps have replaceable rubber liners for extended wear life
Roll-out pump feature for easy maintenance

Dewatering Screen

Dual and single sand options up to 200TPH
High-frequency dewatering screen delivering superior moisture reduction



Aggregate Conveyors

37ft (11.3m) aggregate conveyors
Positioned to the left or right
18° incline
Stockpile capacity 125yd³ (95m³)
High-quality polyurethane scraper
Galvanised undercarriage

Hydrocyclones

Customizable configuration for unrivaled cut point control
100% rubber lined
Replaceable drop in liners

Feed/Hopper

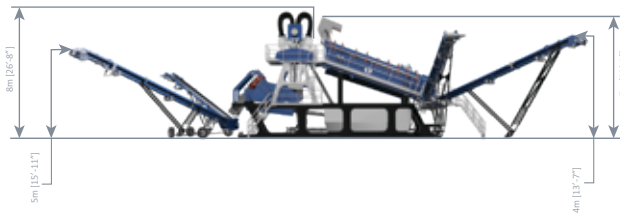
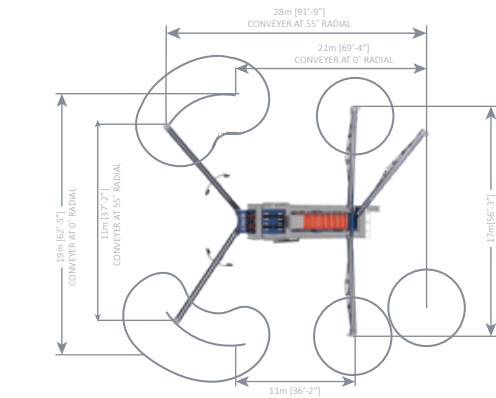
Adjustable door for inspection
Large capacity hopper 12m³
Radio controlled Tipping grid
Vibrating grid option
Variable speed belt feeder

Main Conveyor

41 inch (1050mm) wide belt
Galvanised undercarriage
Overband magnet option for removing ferrous materials in recycling operations

Walkways

Galvanised walkways
30 inch (760mm) wide walkway



FRAC 225

SCREENBOX	2 AGG 2 SAND	3 AGG 2 SAND	2 AGG, 1 SAND	3 AGG 1 SAND
Screening area	4.8 x 1.5 m	4.8 x 1.5 m	4.8 x 1.5m	4.8 x 1.5m
Number of decks	2	3	2	3
Power required	15 kW	15 kW	15 kW	15 kW
Mounting	Spring	Spring	Spring	Spring
Screen bearings	2 bearings	2 bearings	2 bearings	2 bearings
Max spraybar water throughput @ 2 bar	235 m³/hr	340 m³/hr	235 m³/hr	340 m³/hr

SAND PLANT- STANDARD CAPACITY (120TPH)

Dewatering screen	3.0m x 1.8m	3.0m x 1.8m	3.0 x 1.8 m	3.0 x 1.8 m
Screen power required	6.4kW	6.4kW	6.4 kW	6.4 kW
Fines cyclone	400 x 1	400 x 1	600 x 2	600 x 2
Fines pump	6/4 R/L-22 KW	6/4 R/L-22 KW	8/6 R/L-45 kW	8/6 R/L-45 kW
Coarse cyclone	500 x 1	500 x 1		
Coarse pump	8/6 R/L-45 kW	8/6 R/L-45 kW		

SAND PLANT- STANDARD CAPACITY (200TPH)

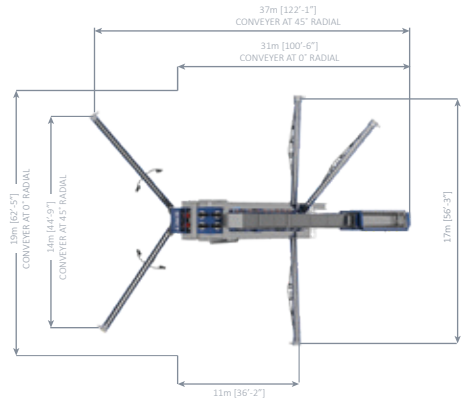
Dewatering screen	4.0 x 1.8 m	4.0 x 1.8 m	4.0 x 1.8 m	4.0 x 1.8 m
Screen power required	12.4 kW	12.4 kW	12.4 kW	12.4 kW
Fines cyclone	400 x 2	400 x 1	600 x 2	600 x 2
Fines pump	6/4 R/L-30 kW	6/4 R/L-30 kW	8/6 R/L-55kW	8/6 R/L-55 kW
Coarse cyclone	500 x 2	500 x 1		
Coarse pump	8/6 R/L-55 kW	8/6 R/L-55 kW		

STOCKPILE CONVEYORS

Quantity	4	5	3	4
Length	9.3 m	9.3 m	9.3 m	9.3 m
Belt width	500 mm	500 mm	500 mm	500 mm
Belt type	500 mm EP315 3 ply plain x 3+1.5 covers	500 mm EP315 3 ply plain x 3+1.5 covers	500 mm EP315 3 ply plain x 3+1.5 covers	500 mm EP315 3 ply plain x 3+1.5 covers
Stockpile capacity- sand	350 m³	350 m³	800 m³	800 m³
Stockpile capacity- aggregate	100 m³	100 m³	100 m³	100 m³
Power required	5.5 x 4 kW	5.5 x 5 kW	5.5 x 3 kW	5.5 x 4 kW
Radial wheel drive power requirement	2 x 0.37 kW	2 x 0.37 kW	1 x 0.37 kW	1 x 0.37 kW

POWER AND WATER REQUIREMENT

Typical power requirements - standard sand plant	133.15 kW	138.65 kW	105.65 kW	111.15 kW
Typical power requirements - high capacity sand plant	159.15 kW	164.65 kW	123.65 kW	129.15 kW
Water requirements - standard sand plant	250-350 m³/hr	250-350 m³/hr	250-350 m³/hr	250-350 m³/hr
Water requirements - high capacity sand plant	250-500 m³/hr	250-500 m³/hr	250-500 m³/hr	250-500 m³/hr



FRAC 265

SCREENBOX	2 AGG 2 SAND	3 AGG 2 SAND	2AGG, 1 SAND	3 AGG, 1 SAND
Screening area	6m x 1.8m	6m x 1.8m	6m x 1.8m	6m x 1.8m
Number of decks	2	3	2	3
Power required	22kW	22kW	22kW	22kW
Mounting	Spring	Spring	Spring	Spring
Screen bearings	2 bearing	2 bearing	2 bearing	2 bearing
Max spraybar water throughput @ 2 bar	268m³/hr	400m³/hr	268m³/hr	400m³/hr

SAND PLANT

Dewatering screen	4.0m x 1.8m	4.0m x 1.8m	4.0m x 1.8m	4.0m x 1.8m
Screen power required	12.4kW	12.4kW	12.4kW	12.4kW
Fines cyclone	400 x 2	400 x 1	600 x 2	600 x 2
Fines pump	6/4 R/L-30 kW	6/4 R/L-30 KW	8/6 R/L-55KW	8/6 R/L-55KW
Coarse cyclone	500 x 2	500 x 1		
Coarse pump	8/6 R/L-55 kW	8/6 R/L-55 kW		

STOCKPILE CONVEYORS

Quantity	4	5	3	4
Length	9.3m	9.3m	9.3m	9.3m
Belt width	500mm	500mm	500mm	500mm
Belt type	500mm EP315 3 ply plain x 3+1.5 covers	500mm EP315 3 ply plain x 3+1.5 covers	500mm EP315 3 ply plain x 3+1.5 covers	500mm EP315 3 ply plain x 3+1.5 covers
Stockpile capacity- sand	350m³	350m³	800m³	800m³
Stockpile capacity- aggregate	100m³	100m³	100m³	100m³
Power required	5.5 x 4kW	5.5 x 5kW	5.5 x 3kW	5.5 x 4kW
Radial wheel drive power requirements	2 x 0.37kW	2 x 0.37kW	1 x 0.37kW	1 x 0.37kW

POWER AND WATER REQUIREMENT

Typical power requirements	172.15kW	177.65kW	136.65kW	142.15kW
Water requirements	250-500m³/hr	250-500m³/hr	250-500m³/hr	250-500m³/hr

2 DECK VIBRATING GRID

Working angle	10-20°	HOPPER	FRAC 225	FRAC 265
Tipping angle	450 max	Capacity	11m³	11m³
Motor (Hydraulic)	59cc/rev	Grid spacing	100mm	100mm

FEED CONVEYOR

Length	13.5m	13.5m	Motor size- all options	37kW
Belt	1000mm	1000mm	Hydraulic pump capacity	46cc/33cc
Power required	11kW	11kW	Oil cooler motor size	0.18kW

- High-Pressure Spray Bars**
Delivers uniform water distribution for effective washing and separation.
- Replaceable Screening Media**
Modular screen panels designed for quick replacement and reduced downtime.
- Integrated Slurry Collection System**
Collects wash water and fine material efficiently beneath the screening section.
- Centralised Water Distribution Manifold**
Controls and distributes wash water across different washing zones.
- High-Capacity Feed Section**
Designed to accept continuous material flow and distribute it evenly across the screen.
- Integrated Access Walkways & Handrails**
Provides safe access for inspection, cleaning and routine maintenance.

- Twin-Shaft Washing Mechanism**
Provides intensive scrubbing and agitation for improved removal of silt and contaminants.
- Adjustable Material Discharge**
Helps regulate material flow for consistent processing.
- Heavy-Duty Drive Assembly**
Designed for reliable operation under continuous high-load washing conditions.
- Portable Plant Configuration**
Trailer-mounted arrangement enables easier transportation and faster site deployment.



Technical Specification

Model (Cycloscreen)	TWS 6203
Working (L × W)	14599 × 3937
Transport (L × W × H)	14171 × 3561 × 4375
Weight	37976 kgs

Model (HMS Screen)	HMS 6203
Width	1930 mm
Length	6069 mm
Decks	3D
Motor Power	30 kW
Water Consumption	150 m³/h

Model (Washer)	TLW
Length	7620 mm
Screw Diameter	917 mm
Working Speed	21 RPM
Motor Power	2 x 15 kW
Water – 100 Mesh	284 m³/h
Water – 150 Mesh	146 m³/h
Water – 200 Mesh	82 m³/h

Model	Cross Conveyor
Belt Width	800 mm
Length	2850 mm
Motor Power	5.5 kW
Vibrator Power	1.6 m/s², 50 Hz

- Single or Twin-Shaft Configuration**
Available with single or twin-shaft arrangements to suit different feed conditions and scrubbing requirements.
- Controlled Retention Time**
Extended washing chamber allows sufficient residence time for effective contaminant breakdown.
- Reliable Drive System**
Heavy-duty drive arrangement maintains consistent shaft rotation under varying feed loads.
- Intensive Material Scrubbing**
Rotating paddle assemblies generate strong attrition to break down clay, coatings and compacted contaminants.
- Abrasion-Resistant Paddles**
Heavy-duty replaceable paddles provide reliable performance in abrasive washing applications.
- Easy Maintenance Access**
Accessible wear parts, drive components and service areas simplify inspection and routine maintenance.
- Adjustable Paddle Arrangement**
Paddle positioning controls material movement, retention time and scrubbing intensity.
- Heavy-Duty Construction**
Robust fabricated tub and structural frame withstand continuous impact, abrasion and demanding operation.
- Efficient Contaminant Removal**
Water carries away liberated clay, silt, plastic fines and other unwanted impurities.
- Protected Bearing Assemblies**
Bearing positioning helps protect critical components from slurry, water and contamination.



Technical Specification

Model	TLW 3630	TLW 4430	TLW 4835
Screw Diameter	945 mm	1120 mm	1225 mm
Tube Length	9175 mm	9300 mm	10500 mm
*Capacity	50-125 mtp/h	75-175 mtp/h	110-365 mtp/h
Material	75 mm	102 mm	150 mm
Power	2 × 55 kW	160 kW	200 kW
Screw	32 rpm	26 rpm	26 rpm
**Weight	26074 kgs	32275 kgs	42185 kgs
Water	114 m³/h	171 m³/h	190 m³/h

- Bucket Wheel**
Recovers fine sand.
Gentle rotation ensures efficient washing & dewatering.
- Spiral Blade**
Agitates material effectively.
Enhances separation of silt and fine particles.
- Main Shaft**
Drives spiral motion.
Robust construction ensures stability and long service life.
- Dewatering Screen**
High-frequency vibration.
Produces consistently clean and moisture-free sand.



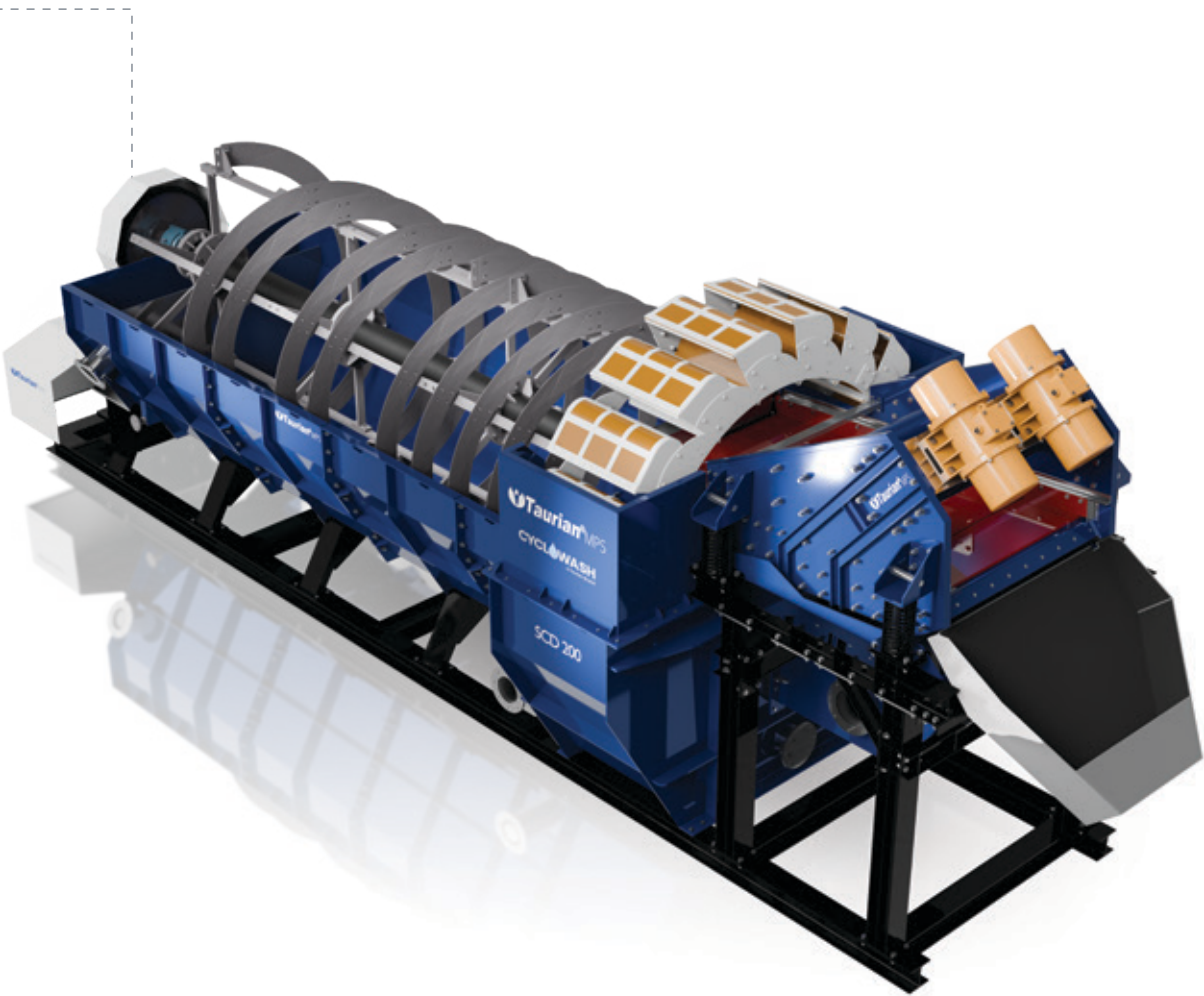
MP | Spiral Classifier

Dewatering Screen

Model	SCD 75	SCD 100	SCD 150	SCD 200
Capacity	45-60 TPH	60-80 TPH	90-120 TPH	120-160 TPH
Screen area (<i>W x L</i>)	900 x 1800 mm	1200 x 2150 mm	1500 x 2500 mm	1800 x 2500 mm
Operating angle	5°	5°	5°	5°
Motor	2 x 1.13 kW	2 x 1.5 kW	2 x 2.2 kW	2 x 3.2 kW
Weight	775 kgs	850 kgs	1300 kgs	1900 kgs

Spiral Classifier with Dewatering Screen

Model	SCD 75	SCD 100	SCD 150	SCD 200
Capacity	45-60 TPH	60-80 TPH	90-120 TPH	120-160 TPH
Wheel diameter	2.27 m	2.5 m	2.75 m	3.1 m
No. of buckets	34	36	42	42
Screw diameter	1700 mm	1800 mm	2200 mm	2800 mm
Water tank capacity	4500 ltrs	5000 ltrs	6000 ltrs	8000 ltrs
Motor	5.5 kW	7.5 kW	9.3 kW	9.3 kW
Weight	3600 kgs	5200 kgs	7100 kgs	8500 kgs



Consistent Classification

Maintains a stable separation zone for reliable separation of coarse and fine particles.

High Separation Efficiency

Uses centrifugal force to achieve effective particle classification across varying slurry conditions.

Efficient Fines Removal

Directs silt, clay and fine particles through the overflow while retaining the required coarse fraction.

Stable Underflow Discharge

Optimized cone and apex geometry helps maintain a controlled and consistent solids discharge pattern.

Optimized Feed Inlet

Tangential feed entry promotes smooth slurry acceleration and minimizes unnecessary turbulence inside the cyclone.

Controlled Cut Point

Apex and vortex finder selection allows classification performance to be adjusted for specific product requirements.

Wear-Resistant Construction

High-wear internal areas can be protected with replaceable liners for longer operating life.

Low Maintenance Design

With no moving internal components, the hydrocyclone requires minimal routine mechanical maintenance.

Easy Wear-Part Replacement

Serviceable liner, apex and vortex finder components allow faster inspection and replacement during maintenance.

Flexible Application Range

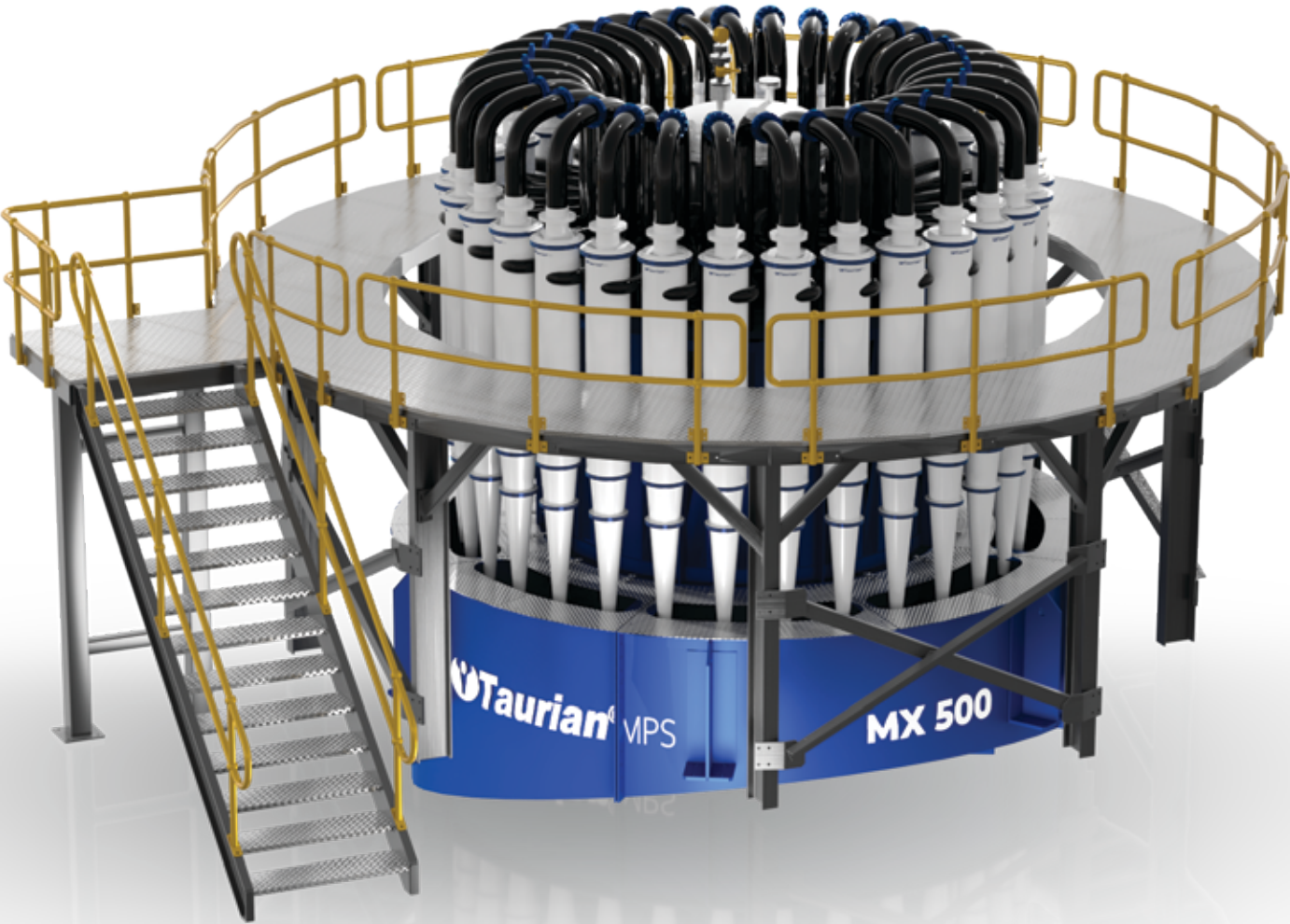
Suitable for classification, desliming, fines recovery, dewatering and washing applications.

Compact Process Footprint

Provides high-capacity separation within a compact arrangement, reducing space requirements in processing plants.

Integrated Washing Circuit Performance

Designed to work efficiently with slurry pumps, sumps and dewatering screens for complete classification and recovery circuits.



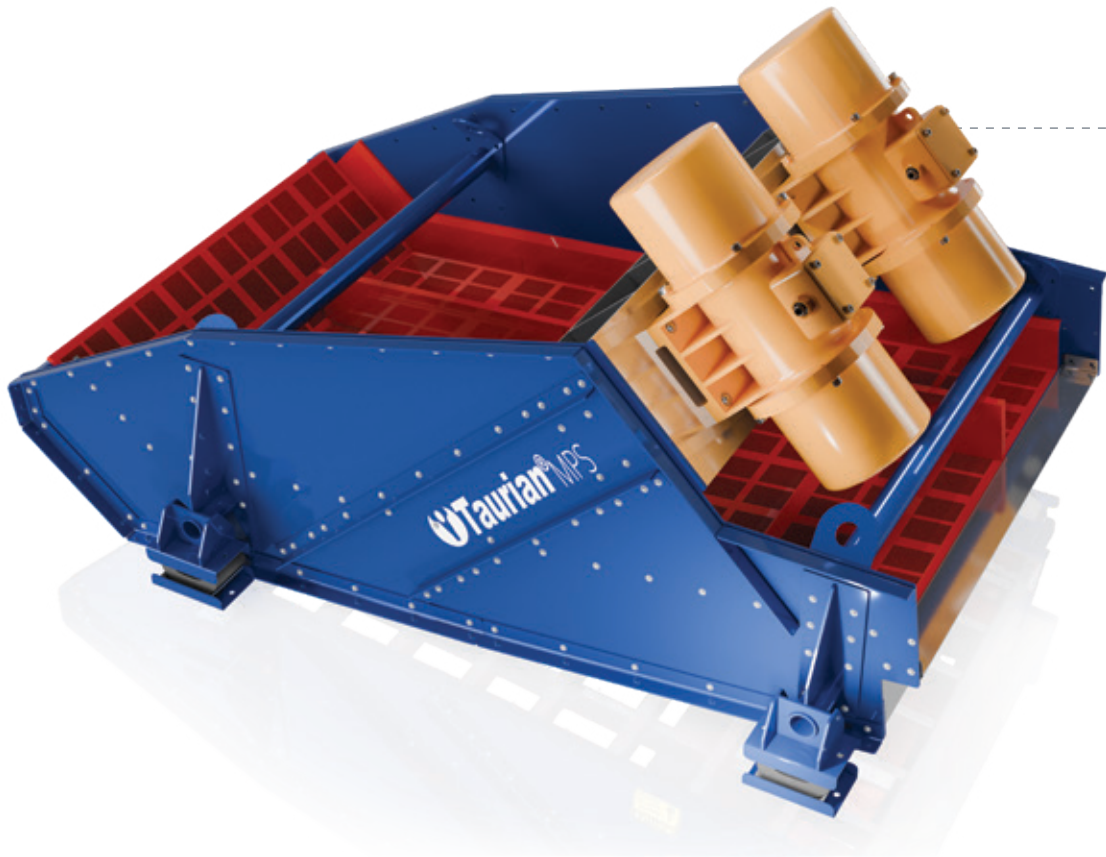
Technical Specification

Model	MX 100	MX 150	MX 250	MX 375	MX 500	MX 650	MX 800
Body Diameter	100 mm	150 mm	250 mm	375 mm	500 mm	650 mm	800 mm
Height	876 mm	1,064 mm	1,491 mm	1,708 mm	2,001 mm	2,441.3 mm	2,943.3 mm
Weight	8 kgs	18.5 kgs	125 kgs	210 kgs	375 kgs	800 kgs	1,225 kgs
Material	All Polyurethane	All Polyurethane	Steel housing with polyurethane	Steel housing with polyurethane	Steel housing with polyurethane	Steel housing with polyurethane	Steel housing with polyurethane
Inlet Pipe Size	2 in	3 in	4 in	6 in	8 in	10 in	12 in
Overflow Pipe Size	2 in	3 in	5 in	8 in	10 in	14 in	18 in

- Screen Deck**
Polyurethane or stainless steel panels.
Provides the surface for material to be dewatered.
Perforations for water drainage.
- Side Plates**
High-tensile steel.
Provides structural stability to the screen.
- Spray Nozzles (Optional)**
For washing materials during the process.
- Dewatering Hopper**
Collects drained water.
Funnel-shaped design for efficient disposal.
- Drive Assembly**
Motor, gearbox, and drive belt.
Powers the vibration mechanism.
- Vibration Motor**
Generates high-frequency linear or elliptical vibrations.
Adjustable settings for varying materials.
- Support Structure**
Mild steel or stainless steel frame.
Ensures stability and proper alignment.
- Screen Panels**
Modular design for easy replacement.
Polyurethane or wire mesh.
- Cross Beams**
Support the screen deck and maintain vibration integrity.
Corrosion-resistant steel.

Technical Specification

Model	TDS 1530	TDS 1830	TDS 1840
Capacity	80-100 TPH	120-150 TPH	180-220 TPH
Screen size	1500 x 3000 mm	1800 x 3000 mm	1800 x 4000 mm
Screening area	4.5 m²	5.4 m²	7.2 m²
Motor	2 x 3.2 kW	2 x 3.2 kW	2 x 6.2 kW



Maharashtra | Dewatering Screen

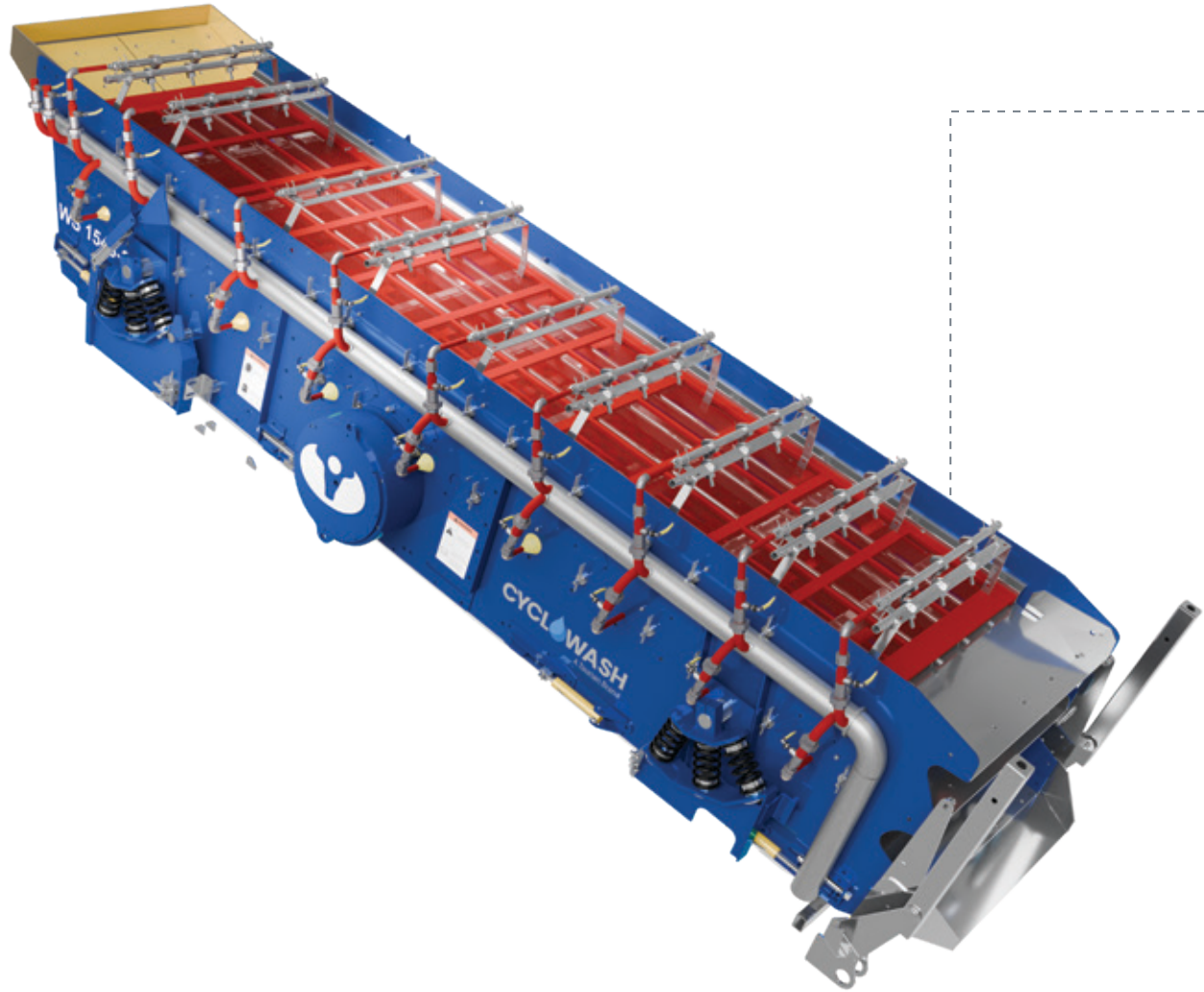


Chhattisgarh | Dewatering Screen



Rajasthan | Dewatering Screen

- Vibration Motor**
Generates high-frequency linear or elliptical vibrations. Adjustable settings for varying materials.
- Cross Beams**
Support the screen deck and maintain vibration integrity. Corrosion-resistant steel.
- Screen Deck**
Polyurethane or stainless steel panels. Provides the surface for material to be dewatered. Perforations for water drainage.
- Dewatering Hopper**
Collects drained water. Funnel-shaped design for efficient disposal.
- Screen Panels**
Modular design for easy replacement. Polyurethane or wire mesh.
- Drive Assembly**
Provides controlled power to the screen. Designed for reliable, continuous operation.
- Support Structure**
Mild steel or stainless steel frame. Ensures stability and proper alignment.
- Side Plates**
High-tensile steel. Provides structural stability to the screen.
- Spray Nozzles (Optional)**
For washing materials during the process.



Technical Specification

Model	WS 1545-2D	WS 1545-3D	WS 1662-2D	WS 1662-3D
Capacity	200-300 TPH	200-300 TPH	250-350 TPH	250-350 TPH
Screen size	4500 x 1500 mm	4500 x 1500 mm	6200 x 1600 mm	6200 x 1600 mm
Decks	2	3	2	3
Motor	11 kW	15 kW	15 kW	22 kW
Weight	2600 kgs	3200 kgs	5445 kgs	6245 kgs

- Rapid Setup Design**
Pre-wired and factory tested cone section with integrated sludge pump to allow for rapid setup
- Easy Maintenance Access**
Customer-focused solution with unmatched maintenance access
- Walkway**
Truss support bridge with full span galvanised walkway
- Dosing system**
Metered flocculant dosing system with valves, hoses, injectors
- Electric Lift**
Electric drive and lift

- Central Feed Distribution**
Waste water delivered to the centre of the thickener to allow maximum time for material settlement
- Sludge Rake**
Unique rake mechanism for optimal sludge conditioning
- Rigid Support**
Heavy-duty steel support legs and bracing
- Slurry Access**
Gasket sealed outlets with three slurry nozzles and one manhole
- Control Panel**
PLC or Marshalling panel

Technical Specification

Model		THT 400	THT 600	THT 800	THT 1000	THT 1500
Maximum feed rate		100 m³/hr	200 m³/hr	400 m³/hr	600 m³/hr	1500 m³/hr
Sludge flow rate		5 TPH	10 TPH	20 TPH	30 TPH	80 TPH
Sludge pump		3/2	3/2	4/3	6/4	6/4
Sludge pump motor		11 kW	11 kW	15 kW	30 kW	45 kW
Rakes motor		1.1 kW	2.2 kW	3 kW	4 kW	4 kW
Feed height		131.89 in	142.52 in	174.02 in	181.10 in	283.46 in
Clean water discharge height		135.83 in	143.31 in	176.77 in	188.98 in	188.98 in
Weight (Empty)		8000 kgs	11000 kgs	20000 kgs	25000 kgs	65000 kgs
Weight (Full)		60000 kgs	120000 kgs	200000 kgs	270000 kgs	750000 kgs
Dimensions	Diameter (A)	4 m	6 m	8 m	10 m	15 m
	Height (B)	4 m	4 m	5 m	5 m	5 m

