

**Taurian**<sup>®</sup>MPS



CRUSHING

SCREENING

WASHING

CONVEYING





## 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



### 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
- Conveyer Systems: Launched Stackmaxx conveyer systems including telescopic conveyers, track mounted conveyers etc for major mining projects and port handling systems.

# Global Alliance

Crushing & Mining Solutions



The **Taurian-NR** partnership combines Taurian’s expertise in manufacturing robust equipment with NR’s strengths in application engineering and project management. This synergy delivers tailored, efficient solutions, blending innovative machinery with system optimization. Together, we ensure seamless execution, operational excellence, and comprehensive lifecycle support for mining projects.







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### PRIMARY CRUSHING



Gyratory Crusher  
Jaw Crusher

### SECONDARY CRUSHING



Cone Crusher  
Horizontal Shaft Impact Crusher

### TERTIARY CRUSHING



VSI Crusher  
Fines Cone Crusher

### QUATERNARY CRUSHING



Roll Crusher

### WASHING SYSTEMS



Sand Wash Scrubbing  
Hydrocyclone Classifying

### CONVEYING SYSTEMS



Radial Telescopic  
Horizontal Index  
Mobistack  
Powerstack



- Primary
- Secondary PS
- Secondary RS
- Tertiary



Designed for Every Terrain

**HYBRID**



Hydraulically Foldable Hopper

Hopper capacity: 9m³  
Feed height: 3.98m  
Optional hopper extensions 11m³

Grizzly Feeder

Automatic speed control (optional)  
Efficient material flow with high stroke vibrating unit  
Wear resistant feeder bottom (rubber as an option)

Jaw Crusher

Strong bolted structure  
Large stroke and kinematics for hard rock  
Hydraulic setting adjustment (optional)  
Swinging motion for easy cavity clearance

Main Conveyor

Belt width: 1m (40")  
Discharge height: 3.6m (11' 10")  
Stockpile capacity: 70 m³  
Electrically driven belt conveyor with steel enforcing  
Height-adjustable magnet (optional)  
Impact bars at feed point

Rotating Side Conveyor

Quick to setup  
Discharge on either side  
High speed for stockpile capacity  
Belt width: 650mm

Effective Pre-screening

Maximizes crusher efficiency and separates scalped product via side conveyor

Heavy-duty Tracks

Shoe width: 500mm (20")  
Open frame design for easy service access  
Agile tracks with 2-speed mode for turnability and speed

Control Panel

User friendly waterproof and dustproof control panel.  
Allows monitoring of pressure, fluid levels and fuel consumption.  
Provides push button control of jaw track and feeder functions.

Power Unit

Tier 2 / stage II equivalent Cummins/ Scania  
Diesel oil engine . Engine speed 1500 rpm

TT 150 J

TT 200 J

TT 300 J

Dimensions

	TT 150 J	TT 200 J	TT 300 J
Main Component	Jaw Crusher TJ150 (23 X 37 in)	Jaw Crusher TJ200 (28 X 42 in)	Jaw Crusher TJ300 (32 X 45 in)
Grizzly Feeder	Grizzly Feeder 1035-2S	Grizzly Feeder 1142-2S	Grizzly Feeder 1148-2S
Jaw CSS (Min / Max)	60mm / 175mm	70mm / 200mm	70mm / 200mm
Plant Capacity	Upto 200 TPH	Upto 280 TPH	Upto 350 TPH
Transport Weight	45,500 Kgs	50,500 Kgs	54,300 Kgs
Electric Jaw Motor	90 kW	110 kW	132 kW
Engine Power	Cummins/Scania 250kWA engine for tracking and movement.		

Transport Dimensions



Working Dimensions





Large Feed Hopper with Belt Feeder

Hopper capacity: 5m³  
Belt width: 1.05m  
Working angle: 24° (pre-screen feed) & 21° (direct feed)  
Equipped with metal detector and crash bar  
Discharge end is hydraulically lowered for transport.

Cone Crusher

Variable speed control settings for producing a quality aggregate  
Proven crusher suitable for hard rock  
Different cavities for secondary or tertiary applications: CG  
On the fly Hydraulically adjustable closed side setting : CB

Prescreen Module

The prescreen module completely removes fines from entering the cone chamber to maximise production through the cone.  
Reduces wear in the cone

Main Conveyor

Belt: 900mm  
Discharge height: 3.3m  
Standard stockpile capacity: 53.5m³  
Electrically driven belt conveyor with steel enforcing

Heavy-duty Tracks

Shoe width: 500mm  
FEM designed structure for optimized weight and lifetime.  
Open frame design for easy service access.  
Agile tracks with 2-speed mode for turnability and speed.

Power Unit

Tier 2 / stage II equivalent Cummins/ Scania Diesel oil engine .  
Electrically driven power systems and chamber offer significant cost savings  
Reduced engine noise for urban environments

- TT 150 CGPS

TT 200 CBPS
- TT 250 CGPS

TT 300 CBPS
- TT 300 CGPS

Dimensions

	TT 150 CGPS	TT 250 CGPS	TT 300 CGPS	TT 200 CBPS	TT 300 CBPS
Main Component	Cone Crusher CG 150	Cone Crusher CG 250	Cone Crusher CG 300	Cone Crusher CB 200	Cone Crusher CB 300
Plant Capacity	Upto 150 TPH	Upto 250 TPH	Upto 300 TPH	Upto 200 TPH	Upto 300 TPH
Transport Weight	47320* kg	54000* kg	57000* kg	50520* kg	57520* kg
Electrical Cone Motor	90 kW	160 kW	250 kW	160 kW	250 kW
Engine Power	Cummins/Scania 320 kWA engine for tracking and movement.				

\*With optional pre-screen

Transport Dimensions



Working Dimensions





**Large feed hopper with belt feeder**  
Hopper capacity: 5m³  
Crash bar fitted to reduce impact  
Working angle: 24° (pre-screen feed) & 21° (direct feed)  
Equipped with metal detector.  
Discharge end is hydraulically lowered for transport.

**Cone crusher**  
Variable speed control settings for perfect shape  
Proven crusher suitable for hard rock  
Different cavities for secondary or tertiary applications: CG  
On the fly Hydraulically adjustable closed side setting : CB

**Power Unit**  
Tier 2 / stage II equivalent Cummins/ Scania  
Diesel oil engine .  
Electrically driven power systems and chamber  
offer significant cost savings  
Reduced engine noise for urban environments

**Fines conveyor**  
Electrically driven belt conveyor with steel enforcing  
Extended conveyor for more discharge height  
Discharge Height upto 3 meter

**Recirculation Conveyor**  
Belt width: 500mm (20")  
Belt Spec: Chevron  
Working Angle: 30°  
Hydraulically folds for transport

**Heavy-duty tracks**  
Shoe width: 500mm (20")  
FEM designed structure for optimized weight  
Open frame design for easy service access.  
Agile tracks with 2-speed mode

**Detachable Screen**  
Quick and easy hydraulically detachable  
screen for open circuit crushing  
Screening Angle: 19°-22°  
Screen options up to 6 meters long

- TT 150 CGRS

TT 200 CBRS
- TT 250 CGRS

TT 300 CBRS
- TT 300 CGRS

Dimensions

	TT 150 CGRS	TT 250 CGRS	TT 300 CGRS	TT 200 CBRS	TT 300 CBRS
Main Component	Cone Crusher CG 150	Cone Crusher CG 250	Cone Crusher CG 300	Cone Crusher CB 200	Cone Crusher CB 300
Screen Size	2 deck 1500 x 4000	2 deck 1500 x 4800	2 deck 1500 x 4800	2 deck 1500 x 4000	2 deck 1500 x 4800
Electric Cone Motor	90 kW	160 kW	250 kW	160 kW	250 kW
Plant Capacity	Upto 150 TPH	Upto 250 TPH	Upto 300 TPH	Upto 200 TPH	Upto 300 TPH

Transport Dimensions



Working Dimensions





Feed Hopper with Belt Conveyor

Hopper capacity: 8m³  
Feed height: 2.5m (8'12")

Control Panel

User friendly waterproof and dustproof control panel.  
Allows monitoring of important metrics  
Provides push button control of conveyors

Screenbox

Screen angle: 18° - 30°  
Adjustable screenbox angles allow adaptability to a wide range of material applications.  
User friendly wedge system ensures faster screen changes

Main Conveyor

Belt width: 1200mm  
High belt speed  
Hydraulic discharge height adjustment

Four Products conveyors

Four product capability with integrated and hydraulic stockpiling conveyors.

Heavy-duty tracks

Shoe width: 500mm (20")  
Speed: 0.8 km/h  
Open frame design for easy service access  
Agile tracks with 2-speed mode for turnability and speed

TT 1545

TT 1545 T

TT 1662

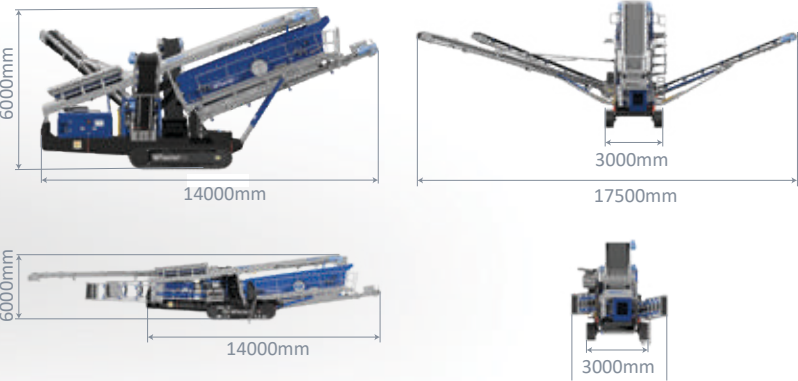
TT 1662 T

Dimensions

	TT 1545	TT 1545 T	TT 1662	TT 1662 T
Screen Size	4.5 m x 1.5 m	4.5 m x 1.5 m	6.2 m x 1.6 m	6.2 m x 1.6 m
Decks	2	3	2	3
Screen Motor Size	11 kW	15 kW	15 kW	22 kW
Capacity (TPH)	200-300 TPH	200-300 TPH	250-350 TPH	250-350 TPH
Transport Weight	40000 kg	42000 kg	43000 kg	45000 kg
Engine Power	Cummins/Scania 125kWA engine for tracking and movement.			



Working Dimensions





# WHEELER

- Primary
- Secondary
- Teritary





# WHEELER

Primary

- Hopper**  
AR 400 Wear resistant feed hopper  
Truck Loading hopper- capacity 30 m³  
Foldable wing hopper- capacity 10 m³  
Optional hydraulic folding wings
- Jaw Crusher**  
TJ series  
Optional hydraulic CSS adjustment.
- Grizzly Feeder**  
Optional automatic feed control system  
2-way bypass chute to diverts material  
Side conveyor for undersize material  
15 kW variable speed drive
- Motor and Powerpack**  
Electric motor (75-132 kW) or a hybrid system  
ABB induction motors  
Integrated drive base frame  
Electrically powered hydraulic system
- Mobility**  
Heavy-duty pneumatic tires for towing/transport.  
Designed to fit on standard trailers / containerization  
Requires minimal site preparation.
- Wheel Mounting**  
Triple or double axel bogie  
Double Lined Mining tyre  
Composite Covers
- Hydraulic Legs**  
Four heavy duty hydraulic legs  
wide base gripping feet
- Electrical Panel**  
Standard process control for improved  
safety and maximized production
- Primary Conveyor**  
Width: 40 inches (1000mm)  
Belt Material: Seven-layer threaded rubber  
Impact bars directly under jaw  
Optional self-cleaning magnet  
Bevel helical motorized gearbox with geared motor

WJ 100

WJ200

WJ150

WJ300

Dimensions

Model	Main Component	Jaw CSS(mm) Min/Max	Nominal Feed Opening (mm)	Motor (kW)	Capacity(TPH) 80/120 mm CSS
WJ 100	Jaw Crusher TJ100(20x32in), Grizzly Feeder 835-25	40/140	510	75	100/125
WJ 150	Jaw Crusher TJ150(23x37in), Grizzly Feeder 1035-25	60/140	580	90	140/200
WJ 200	Jaw Crusher TJ200(28x42in), Grizzly Feeder 1142-25	70/140	700	110	180/280
WJ 300	Jaw Crusher TJ300(32x45in), Grizzly Feeder 1248-25	70/140	750	132	250/350





# WHEELER

Secondary

**Screening System**

4-Deck Vibrating Screen  
5' x 14' screen powered by a 15 kW motor for fine material screening.  
5' x 18' screen powered by a 22 kW motor for high-capacity processing.

**Specious Walkways**

Walkway platforms around the screen

**Cone Crusher**

CG- Series  
CB- Series

**Motor and Powerpack**

Electric motor (75-132 kW) or a hybrid system  
ABB induction motors  
Integrated drive base frame  
Electrically powered hydraulic system

**Chassis**

Mounted on chassis with removable type double axle bogie with tail lights

**Wheel Mounting**

Triple or double axle bogie  
Double Lined Mining tyre  
Composite Covers

**Mobility**

Heavy-duty pneumatic tires for towing/transport.  
Designed to fit on standard trailers / containerization  
Requires minimal site preparation.

**Electrical Panel**

Standard process control for improved safety and maximized production

**Hydraulic Legs**

Four heavy duty hydraulic legs  
wide base gripping feet

WCG 100

WCG 150

WCG 200

WCG 250

WCG 200

WCG 250

WCB 200

WCB 300



Dimensions

Model	Main Component	Crusher Motor (kW)	Motor (kW)
WCG 100	Cone Crusher CG 100, Screen 1500 x 4000	75	100
WCG 150	Cone Crusher CG 150, Screen 1500 x 4000	90	150
WCG 200	Cone Crusher CG 200, Screen 1800 x 5000	160	200
WCG 250	Cone Crusher CG 250, Screen 1800 x 5000	200	250
WCG 300	Cone Crusher CG 300, Screen 2000 x 6000	250	300
Fixed Shaft/Bearing Cone			
WCB 200	Cone Crusher CB 200, Screen 1800x5000	160	200
WCB 300	Cone Crusher CB 300, Screen 2000x6000	250	300



# WHEELER

Tertiary

**Screening System**

4-Deck Vibrating Screen  
5' x 14' screen powered by a 15 kW motor for fine material screening.  
5' x 18' screen powered by a 22 kW motor for high-capacity processing.

**Specious Walkways**

Walkway platforms around the screen

**VSI Crusher**

T- Series  
Optional Hydraulic Lid Lift

**Hydraulic Lid Lift**

Externally adjustable feed tube system  
Open lid safety locks

**Chassis**

Mounted on chassis with removable type double axle bogie with tail lights

**Mobility**

Heavy-duty pneumatic tires for towing/transport.  
Designed to fit on standard trailers / containerization  
Requires minimal site preparation.

**Electrical Panel**

Standard process control for improved safety and maximized production

**Wheel Mounting**

Triple or double axle bogie  
Double Lined Mining tyre  
Composite Covers

**Hydraulic Legs**

Four heavy duty hydraulic legs  
wide base gripping feet

**Motor and Powerpack**

Electric motor (75-132 kW) or a hybrid system  
ABB induction motors  
Integrated drive base frame  
Electrically powered hydraulic system

WV 110

WV 220

WV 150

WV 300

WV 185

Dimensions

Model	Main Component	Power (kW)	Shaping Capacity (TPH)	Fine crushing (TPH)	Max Feed Size (mm)
WV 110	VSI T-110, Screen 1500 x 4000mm	110	110	100	35
WV 150	VSI T-150, Screen 1800 x 5000mm	150	150	135	35
WV 185	VSI T-185, Screen 1800 x 5000mm	185	185	170	45
WV 220	VSI T-220, Screen 1850 x 5000mm	220	220	200	45
WV 300	VSI T-300, Screen 2000 x 6000mm	300	300	270	45





# EQUIPMENT

- TJ Series Jaw
- CG Series Cone
- CB Series Cone
- CM Series Cone
- T Series VSI
- Roll Crusher
- HFS
- CMS
- Horizontal Screen
- Sizer
- Feeder





# TJ SERIES™

## JAW CRUSHER

**Large cast steel bearings**

Large cast steel spherical roller bearings are sealed by a labyrinth

**Hardox lined feed chute**

It efficiently manages the coarsest materials  
Pitman eye protection plate provides additional protection

**Long ribbed bi-directional castings**

It provides additional strength and resistance

**Protection plates**

Protection plates behind the jaw dies protect the steel castings against wear

**Easy wedge adjustment system**

It allows quick CSS setting without shim plates  
Adjustments are mechanical as standard  
A fully automatic hydraulic option for easy CSS settings is also available

**Rubber dampers and support brackets**

It absorbs all vibrations  
No anchor bolts are needed for installations

**Optional Parts**

Types of Jaw plates  
Corrugated  
Heavy-Duty  
Titanium Carbide Inserts  
Plant Automation

TJ100

TJ350

TJ150

TJ400

TJ200

TJ500

TJ300



Power & Weight

Machine Model	Power (kW)	Speed (rpm)	Basic Crusher (kg)	Operational (kg)
TJ100	75	350	7 670	9 520
TJ150	90	330	9 759	11 870
TJ200	110	280	14 350	17 050
TJ300	132	260	18 600	21 500
TJ350	160	230	26 000	29 300
TJ400	160	220	37 970	43 910
TJ500	200	220	47 120	54 010

Capacities & CSS

Product size (mm)	Closed side setting (mm)	TJ100	TJ150	TJ200	TJ300	TJ350	TJ400	TJ500
		Mtph (Stph)	Mtph (Stph)	Mtph (Stph)	Mtph (Stph)	Mtph (Stph)	Mtph (Stph)	Mtph (Stph)
0-30	20							
0-35	25							
0-45	30							
0-60	40	60 - 80						
0-75	50	70 - 100						
0-90	60	85 - 115	110 - 140					
0-105	70	100 - 140	130 - 160	155 - 190	170 - 210	180 - 245		
0-120	80	115 - 155	145 - 185	165 - 215	185 - 240	200 - 275		
0-135	90	130 - 180	165 - 205	195 - 240	210 - 260	215 - 310		
0-150	100	145 - 195	180 - 230	211 - 270	230 - 290	240 - 330	250 - 340	
0-185	125	180 - 250	225 - 285	260 - 330	275 - 350	290 - 400	300 - 410	330 - 450
0-225	150	215 - 295	270 - 340	310 - 390	325 - 410	345 - 480	350 - 480	385 - 535
0-260	175	250 - 340	315 - 395	360 - 455	375 - 470	390 - 545	400 - 550	440 - 610
0-300	200			400 - 505	415 - 525		450 - 620	500 - 690
0-340	225						500 - 690	555 - 765
0-375	250						550 - 760	615 - 845



# CG SERIES™

## CONE CRUSHER

**Robust Main Frame Casting Design**  
One-piece mainframe with 700 MPa steel castings for superior integrity. 20% stronger than multi-piece frames. 10% reduction in maintenance needs.

**Adjustable Stroke Lengths**  
Optimized Choke Feeding  
Enhanced Product Shape  
Reduced Energy Consumption  
Decreased Recirculation Load

**Comprehensive selection of cavity profiles**  
Offers 9 cavity profiles from extra fine to extra coarse.  
Liners support secondary, tertiary, and quaternary crushing stages.

**Floating Shaft Benefits**  
Shaft supported at both top and bottom for stability.  
Ideal for high-durability, reliable applications.

**Singular piston cup design**  
250-bar piston cup ensures responsive control. Low maintenance design enhances efficiency. Optimized crushing performance for superior results.



### CG Secondary      CG Versatile

CG100	CG150
CG200	CG250
CG300	CG350
CG500	

CG Secondary											
Model	Total weight, kg	Motor size, kW	Stroke Options	Approximate TPH at Close Side Setting (c.s.s)							
				8 mm*	10 mm*	15 mm	20 mm	25 mm	30 mm	35 mm	40 mm
CG100	5800	75-90	16	40-50	45-55	60-70	80-90	85-95			
			20	50-55	50-60	70-80	95-105				
			25		55-65	75-90	105-120				
CG200	10700	130-160	20	80-100	85-105	105-125	120-145	150-170	170-190		
			25		100-120	130-150	160-180	180-210			
			30			160-180	190-210	210-230			
CG300	13400	200-250	25	100-120	110-130	135-155	160-180	190-210	210-235	240-260	
			32	110-130	120-150	165-195	195-225	230-260	265-295	300-330	
			40		150-170	205-235	245-275	290-320	325-355		
CG500	26500	300-400	25		140-160	160-180	190-210	240-260	270-290	310-330	350-370
			32			230-250	270-290	310-330	340-370	380-410	430-450
			36			290-310	320-340	380-410	430-460	480-510	530-580

\*For Softer Material

CG Versatile										
CG150	7350	75-90		20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm
			16	80-90	105-115	120-130	135-145	145-165	155-175	
			20		120-130	145-155	160-180	170-200	185-215	
			25			185-195	200-220	210-230		
			18		110-140	140-170	160-190	180-210	200-230	230-260
CG250	11900	110-160	25			170-220	190-240	210-260	230-280	
			32				230-280	270-320	280-350	
			18		170-190	170-210	190-230	210-255	235-275	255-295
CG350	16200	132-250	25			220-270	255-315	290-345	320-350	330-350
			32				360-400	380-420	400-440	
			40					450-500	480-530	



CB SERIES™  
CONE CRUSHER

**Minimized kinematic friction for increased mechanical efficiency**  
Roller bearings enable low-friction rolling contact. Improved energy efficiency enhances performance.

**Increased RPM for higher throughput**  
Roller bearings reduce friction for higher speeds. Optimized material flow enhances energy efficiency.

**Hydraulic Relief Cylinders**  
Hydraulic relief cylinders absorb pressure spikes. Tramp material passes safely without crusher damage.

**Swift CSS Adjustment and Unblocking**  
Push-button hydraulic cylinders allow quick adjustments. Fast unblocking ensures minimal downtime. Supports efficient and continuous operation.



CB200 Long Throw

CB200 Short Throw

CB300

Drive Details

Model		CB 200 Short Throw	CB 200 Long Throw	CB 300 Standard
Power Required	KW HP	160 215	170 230	225 300
Pulley P.C. Diameter	mm inches	630 24 3/4	630 24 3/4	630 24 3/4
Pulley Face Width	mm inches	213 8 3/8	213 8 3/8	213 8 3/8
Pulley Speed	rpm	936	936	718
V - Belts		8- SPC	8- SPC	8- SPC

CSS and Capacities Fine Chamber

Fine Chamber	Maximum Feed Size mm	Closed Side Setting	Approximate Capacities			
			13 mm	16 mm	19 mm	22 mm
CB200 Short Throw	63	Mtph	70- 100	80- 110	85- 125	
CB200 Long Throw	63	Mtph	85- 120	95- 130	100- 150	
CB300 Standard	63	Mtph	165- 185	180- 200	195- 220	210- 240

CSS and Capacities Standard Chamber

Standard Chamber	Max Feed Size (mm)	Closed Side Setting	Approximate Capacities					
			16 mm	19 mm	22 mm	25 mm	28 mm	32 mm
CB200 M.C Short Throw	160	Mtph	90-110	105-120	115-140	120-150	130-160	
CB200 X.C Short Throw	195	Mtph		105-120	115-150	135-160	145-170	150-180
CB200 M.C Long Throw	160	Mtph		125-145	140-170	145-180	155-190	
CB200 X.C Long Throw	195	Mtph			140-180	165-195	175-205	180-220
CB300 Standard	220	Mtph			220-255	235-275	250-295	260-320



# CM SERIES™

## CONE CRUSHER

**Application Flexibility**  
CM Series™ offers high capacity and versatility.  
Reliable performance across diverse applications.

**Tramp Relief**  
Instant overload protection.  
Double-acting hydraulic cylinders  
Top-access for easy maintenance

**Less Downtime**  
Hydraulic motor enables easy maintenance  
and quick liner changes.  
Tramp-release system enhances safety.  
Boosts productivity with efficient design.

**Enhanced Crushing Chamber Design**  
Optimized geometry delivers superior  
product shape and reduction ratios.  
Ensures consistent performance in  
demanding applications.



CM Secondary

CM Versatile

- CM100
- CM200
- CM300
- CM400
- CM500
- CM800

Capacity Chart

Tone/ hour	CM100	CM200	CM300	CM400	CM500	CM800
Size	Mtph stph	Mtph stph	Mtph stph	Mtph stph	Mtph stph	Mtph stph
6 mm (1/4")	45-55 50-60					
8 mm (5/16")	50-60 55-65					
10 mm (3/8")	55-70 60-75	90-120 100-130	115-140 125-155	140-175 155-195	175-220 195-240	260-335 285-370
13 mm (1/2")	60-80 65-90	120-150 130-165	150-185 165-205	185-230 205-255	230-290 255-320	325-425 360-470
16 mm (5/8")	70-90 80-100	140-180 155-200	140-180 155-200	225-280 250-310	280-350 310-385	385-500 425-550
19 mm (3/4")	75-95 85-105	150-190 165-210	200-240 220-265	255-320 280-355	320-400 355-440	435-545 480-600
22 mm (7/8")	80-100 85-110	160-200 175-220	220-260 240-285	275-345 305-380	345-430 380-475	470-600 520-660
25 mm (1")	85-110 95-120	170-220 185-240	230-280 255-310	295-370 325-410	365-455 400-500	495-730 545-805
32 mm 1 1/4"	100-140 110-155	190-235 210-260	250-320 275-355	325-430 360-475	405-535 445-595	545-800 600-880
38 mm 1 1/2"		210-250 230-275	300-380 330-420	360-490 395-545	445-605 490-670	600-950 550-1045
45 mm (1 3/4")			350-440 385-485	410-560 450-625	510-700 560-775	690-1050 760-1155
51 mm (2")				465-630 510-700	580-790 640-880	785-1200 865-1320

Crusher Weights

Size	CM100	CM200	CM300	CM400	CM500	CM800
Crusher Complete	5 400 kg 11 900 Lbs	10 400 kg 22 960 Lbs	15 810 kg 33 490 Lbs	23 000 kg 50 600 Lbs	33 150 kg 73 000 Lbs	68 650 kg 151 200 Lbs
Bowl, Bowl Liner, Adj. Cap, Hopper	1 320 kg 2 910 Lbs	2 680 kg 5 915 Lbs	3 525 kg 7 765 Lbs	4 800 kg 10 575 Lbs	7 200 kg 15 800 Lbs	17 350 kg 38 220 Lbs
Head Mantle and Feed Plate	600 kg 1 325 Lb	1 200 kg 2 650 Lbs	2 060 kg 4 550 Lbs	3 240 kg 7 130 Lbs	5 120 kg 11 280 Lbs	10 800 kg 23 790 Lbs
Maximum recommended Power	90 kW 125 HP	132 kW 200 HP	200 kW 300 HP	355 kW 500 HP	355 kW 500 HP	600 kW 800 HP
Countershaft Speed-rpm	750-1200	750-1200	700-1200	700-950	700-950	700-950



# T SERIES™

VSI

Roof lifter gives rapid access to the inside of the crusher meaning minimum time is required to carry out servicing and maintenance tasks

Simple feed tube replacement with automatic realignment after crusher servicing and rotor replacement

Robust sealed shaft line assembly ensures longer bearing cartridge life

Low profile allows installation into tight fitting existing plant situations

Large feed hopper gives room for staff to work in when servicing the crusher

Adjustable cascade ports allow operator to control cascade flow

Adjustable spreader plate angle and height controls the flow of feed

Visual indication of cascade control gate position which allows for precise control of material flow

Quick access through inspection and service door allows instant parts replacement

T-75

T-320

T-110

T-370

T-150

T-440

T-185

T-600

T-220



Dimensions and Capacities - T-Series VSI

Dimensions	Light T-Series VSI		
	T-75	T-110	T-150
A	1870	1870	1870
B	1150	1150	1150
C	2575	2575	2575
D	2189	2189	2189
E	1260	1260	1260
F	1304	1304	1304
G	830	830	830
Weight (Kg)	6371	6371	6371
Max Feed Size (mm)	37	37	37
Capacity (MPH)	75	110	150
Shaping (MPH)	82	122	165
M-sand/Fine (MPH)	60	100	135
Motor power	75kW	110kW	150kW
Drive Configuration	Single	Single	Single

Dimensions	Heavy T-Series VSI		
	T-185	T-220	T-320
A	2220	2220	2220
B	1394	1394	1394
C	4020	4020	4020
D	2469	2469	2469
E	1575	1575	1575
F	1644	1644	1644
G	755	755	755
Weight (Kg)	12395	12395	12395
Max Feed Size (mm)	57	57	57
Capacity (MPH)	185	220	320
Shaping (MPH)	205	242	350
M-sand/Fine (MPH)	170	200	295
Motor power	185kW	220kW	320kW
Drive Configuration	Single	Single	Dual

Dimensions	Mega T-Series VSI		
	T-370	T-440	T-600
A	2434	2434	2434
B	1394	1394	1394
C	4020	4020	4020
D	2813	2813	2813
E	1775	1775	1775
F	1744	1744	1744
G	994	994	994
Weight (Kg)	14357	14357	14357
Max Feed Size (mm)	64	64	64
Capacity (MPH)	370	440	600
Shaping (MPH)	405	475	675
M-sand/Fine (MPH)	335	395	590
Motor power	370kW	440kW	600kW
Drive Configuration	Dual	Dual	Dual



RC SERIES™  
ROLL CRUSHER

**Environmental Features**  
Noise and Dust Control: Enclosures reduce emissions.  
Can save upto 50% energy compared to other methods.

**Maintenance Features**  
Easy roll changes  
Alignment Tools included for wear profile correction.  
Hinged frames for quick access and repairs.

**Wear Components**  
Adjustable walls for sealing and wear control.  
Minimal wear parts to reduce costs  
Manganese or Ni-hard rolls enhance life

**Control and Automation System**  
Adjust roll pressure, speed, and gaps.  
Remote systems detect issues to reduce downtime.  
Safety Alarms warn of risks or maintenance needs.  
Operate and monitor safely from a distance.

**Drive System**  
Motors with reducers and torque arms  
Clutches protect against overloads.  
Key Features  
Efficiency VFDs optimize speed and energy use.  
Power Transmission Ensures smooth roll operation.  
Motors with reducers and torque arms

**Feed Chute and Feeding System**  
Vertically aligned for choke feeding.  
Durable Chute Lining  
Adjustable gates for feed control  
Minimizes bypass and ensures even wear.  
Efficient Guidance to compression zone

**Rollers**  
Two counterrotating rolls (fixed and floating).  
Optional Studded surface depending on feed  
Interparticle comminution for uniform size reduction.  
Optimized D:L ratios reduce recirculation.  
Even pressure across the roll width.  
High Pressure for efficient crushing.

**Arch Frame**  
Antiskewing high strength structure.  
Handles internal loads without stressing the base.  
Prevents bearing and roller damage.  
Compact Layout reduces installation cost

RC8

Feed Opening - Versatile & Secondary

Model	Roll Dimensions Dia x Width	Installed power	Unit weight	Maximal Roll Speed (RPM)	Top Size	Typical Capacity	Max specific press force
RC8	800x500 mm	2 x 75 kW	12.9 t	30.2	32 mm	60-90 tph	2.5 N/mm2
	31.5" x 20"	2 x 110 HP	28,440 lbs	30.2	1.25"	66-99 Sh.T	362.6 psi



**Applications**  
Handles abrasive, moist, and fine feeds.  
Produces cubical particles



# High Frequency Screen

HFS 5518



**Modular Structure**  
Easy on-site assembly with basic tools, ensuring fast setup.  
Pre-wired with a plug and play system  
User-friendly starter panel for convenience.  
Flexible access stair configurations to suit various setups.  
Compactly transportation in a 40' shipping container.

**Application Flexibility**  
Can be used in mining, construction, recycling, industrial sand processing and more  
Crushed stone, recycled asphalt pavement (RAP), sand and gravel, coal, fly ash, slag, coke, and more.  
Standard material separations range from ½” to 30M

**Enhanced Vibration Technology**  
Electric Vibrators operating at up to 3000 RPM ensuring superior performance for fine material separation.  
Elliptical Motion design promotes efficient material movement across the screen deck.

**Cost Effective Operation**  
Durable components and wear-resistant designs reduce the need for frequent part replacements.  
Minimal Downtime: Features like quick-change screen panels and accessible maintenance points.

**Other Features**  
Easily adjustable slope between 38-43°.  
Suspension hanger eyes at feed and discharge end.  
Bolt-in feed distribution box.  
Adjustable discharge chutes.  
Rubber isolation mounted vibrating screen cloth supports  
Large walkways for easier access.  
Rubber capped wire cloth support bars.

**Optional**  
High frequency electric motors upto 4600 RPM  
Dust cover (Vinyl cover for improved dust control)  
Screen cloth (various types of screen media are available for different applications)  
Rubber knockdown curtains to improve screening efficiency

**Versatile Deck Configurations**  
Multiple Deck Options: single, double, and triple-deck configurations, catering to a variety of screening needs.  
Customizable Mesh Sizes and materials, allowing users to tailor their setup

## Double Deck

Motors(electric/hydraulic)	13 X 1.3 KW
Screen size	1.83m X 5.49m
Estimated weight	10540 kg
Angle	38° - 43°
Mesh	6
Containerized shipping	Yes

## Triple Deck

Motors(electric/hydraulic)	19 X 1.3 KW
Screen size	1.83m X 5.49m
Estimated weight	13540 kg
Angle	38° - 43°
Mesh	9
Containerized shipping	Yes



# Circular Motion Screen

- General**  
Available in 2, 3, or 4 deck configurations  
Adjustable slope angle (12° to 22°)  
Shaft lines connected by a cardan shaft.  
Adjustable modular rails, cross member protection  
Tensioned and heavy-duty bolted panels
- Customizable Options**  
Modular wear parts and screening media.  
Anti-blinding, spray pips, and galvanization  
for specific needs.
- Frame**  
Weld-free side plates for stress tolerance.  
Huck bolting for reliable connections.
- Maintenance-Friendly Design**  
Modular MV vibrators and cardan  
shafts for easy replacement.  
Increase space between decks  
for easy maintenance.  
Modular rubber liners at feedbox, discharge spouts,  
and cardan shaft for optimal service life.
- Vibration System**  
Counterweights for stroke optimization.  
Double bearings in vibrators for extended life.  
Dust-proof grease lubrication to prevent  
contamination.
- Safety Features**  
Features like coil spring covers and  
rubber stabilizers.  
Pre-equipped with dust and noise protection.

<a href="#">CMS 1530-I</a>	<a href="#">CMS 1850-II</a>	<a href="#">CMS 2060-IV</a>
<a href="#">CMS 1540-I</a>	<a href="#">CMS 1850-III</a>	<a href="#">CMS 2461-II</a>
<a href="#">CMS 1540-II</a>	<a href="#">CMS 1850-IV</a>	<a href="#">CMS 2461-III</a>
<a href="#">CMS 1540-III</a>	<a href="#">CMS 2060-II</a>	<a href="#">CMS 2461-IV</a>
<a href="#">CMS 1540-IV</a>	<a href="#">CMS 2060-III</a>	

Technical Specification

Model	Screen Size (mm)	Decks	Power (kW)	Weight (kg)	Capacity (TPH)
CMS 1530-I	1500x3000	1	11	1300	125
CMS 1540-I	1500x4000	1	11	1400	150
CMS 1540-II	1500x4000	2	15	3150	225
CMS 1540-III	1500x4000	3	15	4050	225
CMS 1540-IV	1500x4000	4	15	5000	255
CMS 1850-II	1800x5000	2	15	4200	325
CMS 1850-III	1800x5000	3	15	5200	325



Technical Specification

CMS 1850-IV	1800x5000	4	15	6800	325
CMS 2060-II	2000x6000	2	22	6500	425
CMS 2060-III	2000x6000	3	22	8500	425
CMS 2060-IV	2000x6000	4	30	10400	425
CMS 2461-II	2400x6100	2	30	8400	525
CMS 2461-III	2400x6100	3	30	10500	525
CMS 2461-IV	2400x6100	4	45	13000	525



# Horizontal Motion Screen

**Optimal Screening Design**  
6' x 20' (1828 mm x 6096 mm) 3-deck horizontal screen equipped with Taurian's advanced oval stroke design for enhanced performance and material stratification.

**High-Performance Vibration Mechanism**  
Three-shaft vibrator mechanism with adjustable stroke angle, stroke length, and speed, ensuring versatile and efficient operation.

**Maintenance-Friendly Design**  
Tool-less oil level sight glasses for quick and easy oil checks without tools.

**Robust Build Quality**  
25% thicker 5/16" (8 mm) grade 50 high-strength steel side plates for maximum durability under heavy loads. Heavy-duty, fully braced single crown steel deck construction for reliable performance in demanding conditions.

**Patented and Innovative Features**  
Low-maintenance vibration damper system for reduced operational downtime. Flow-through bearing lubrication for efficient and consistent lubrication. Baffle splash lubrication system ensuring smooth operation and extended component life.

**Enhanced Suspension and Sealing**  
Extended-life coil spring suspension system for superior vibration isolation. Replaceable bolt-on spring guides for simplified maintenance. Gland-type non-wearing shaft seal for optimal reliability and reduced wear.

**Seamless Construction**  
Double O-ring sealed vibrator construction designed for long life and reduced maintenance. Spherical washer design eliminates sidewall welds for enhanced structural integrity. Huck-bolted screen box construction, eliminating the need for welds, improving durability and ease of repairs.

HMS 6203

HMS 7203

HMS 8203

## Technical Specification

Specifications	Imperial	Metric
Screen Size	6' x 20'	1828 x 6096 mm
Screen Motor	40 hp	30 kW
Underscreen Conveyor Width	36"	900 mm
Underscreen Conveyor Motor	10 hp	7.5 kW
Estimated Modular Weight	48,500 lbs	22,000 kg





# Sizer

**Maximise availability and productivity**  
Taurian MPS sizers reduce fines and enhance yield. Minimize dust for a cleaner environment. Improve efficiency of downstream equipment.

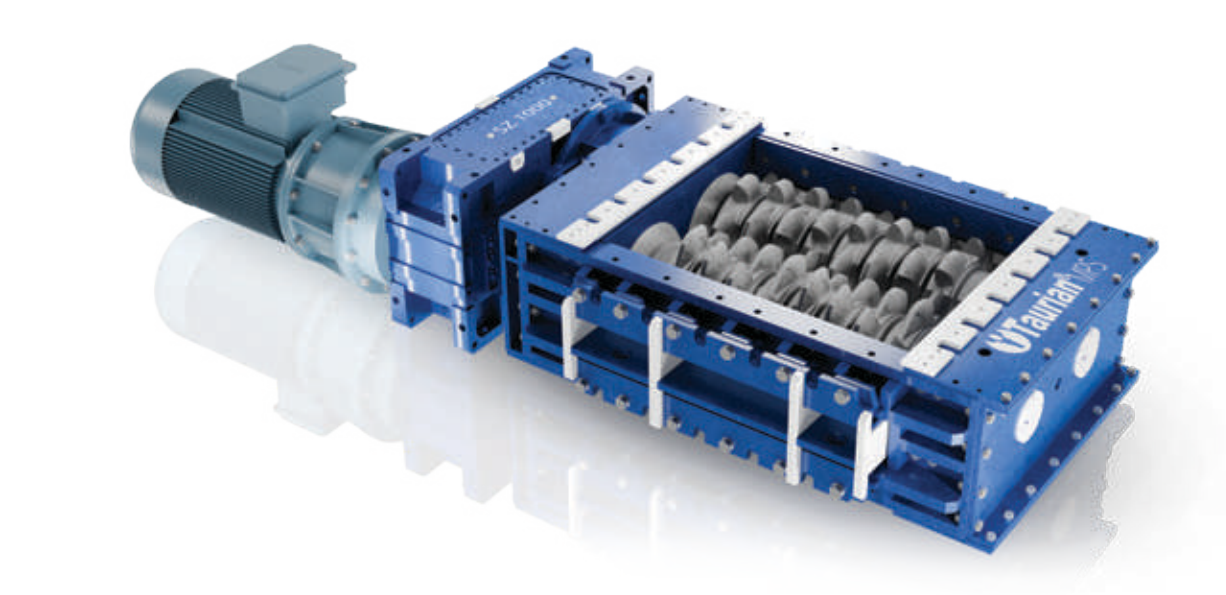
**For a safer working environment**  
Automated operation with remote capabilities ensures safety. Oversize material handling prevents stalls for efficient management.

**Lower installation and construction costs**  
Compact design reduces installation costs. High throughput with unique breaking action. Ideal for tight spaces and retrofitting applications.

**Ensures high yield and a cleaner working environment**  
Reliable design ensures peak performance. Simple maintenance minimizes downtime. OEM parts enhance operational continuity.

**Optimal performance every time**  
Custom-engineered designs tailored to specific applications. Ensures optimal performance and operational efficiency. Meets individual operational needs effectively.

Height	1590 mm
Width	3020 mm
Weight	60000 Kg
SZ Series	1000
Rings	6
Teeth Per Ring	3
Speed	25 rpm
Roll the Speed	1.5 m/s
Breaker Bar	Installed below crushing rolls, full width
Drive System Type	Electrical via Fluid Couplings
Drive Power/ Voltage	400kw / 6.6 kV
Reducer in/ Out Ratio	60/1 rpm
Reducer Torque	156 kN
Coupling	VOITH 650 TVSC fluid coupling / 450 kW
Lubrication System	Auto Grease Supply for crusher bearings



# Grizzly Feeders

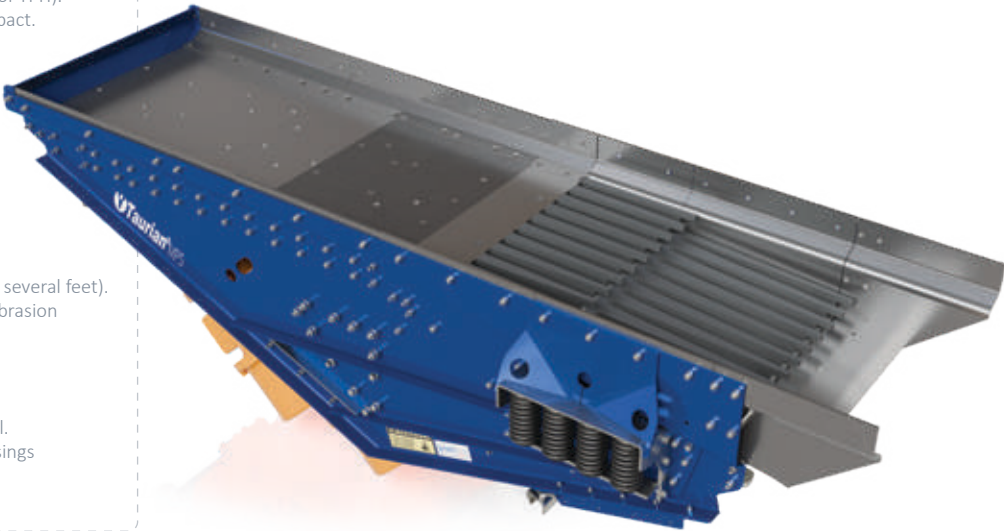
**Vibratory Drive Mechanism**  
Frequency ~600–1200 RPM; amplitude via eccentric weights or electromagnetic drives. Shafts/bearings are high-strength steel for continuous load handling.

**Grizzly Bars**  
Bar spacing ~2–6 inches to remove fines before crushing. Typically built from manganese steel or carbide overlays.

**Feed Pan**  
Designed for high throughput (hundreds of TPH). Reinforced steel plates to resist heavy impact.

**Impact Deck / Liners**  
Absorbs shock from large boulders (up to several feet). Commonly lined with AR400/AR500 for abrasion resistance.

**Control System**  
Uses VFD for feed rate/amplitude control. Enclosed in dust/moisture-resistant housings



- TGF 1142-2S
- TGF 1361-2S
- TGF 1148-2S
- TGF 1661-2S
- TGF 1349-2S
- TGF 2066-2S

## Technical Specification

Model	Width (mm)	Length (mm)	Power (kW)	Max Feed Size (mm)
TGF 1142-2S	1100	4,200	8	700
TGF 1148-2S	1100	4,800	12	700
TGF5 1349-2S	1300	4,900	15	700
TGF 1361-2S	1300	6,100	30	900
TGF 1661-2S	1600	6,100	30	1200
TGF 2066-2S	2000	6,600	55	1500



- Cycloswift  
Single Cyclone
- Cyclotwin  
Double Cyclone
- Cyclobucket  
Double Cyclone with Bucket
- Frac
- Thickener
- Dewatering Screen
- Spiral Classifier





Cyclone

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

Sump Tank

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

Chasis

Constructed with robust steel  
Galvanized walkways and handrails

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

TWS 70

TWS 100

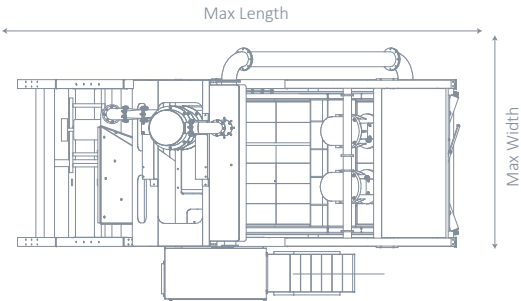
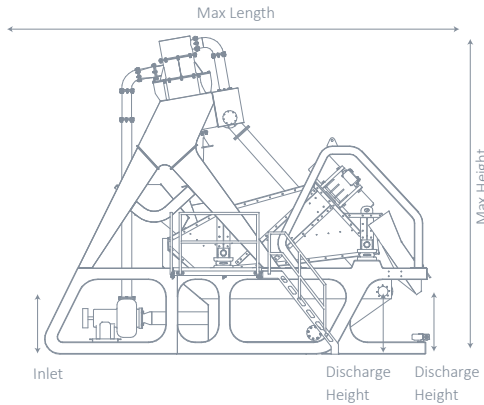
TWS 150

TWS 200



Technical Specification

Machine Model	TWS 70	TWS 100	TWS 150	TWS 200
Max Tonnage Feed (tph)	70	100	150	200
Hydrocyclone Size Dia (mm)	400	400	500	600
Pump Size (mm)	100 x 75	150 x 100	150 x 100	200 x 150
Pump Motor (kW)	15	18	30	45
Slurry Flow Rate (M3/Hr)	130	190	240	370
Dewatering Screen (mm)	1.2 x 2.4	1.5 x 2.8	1.8 x 3.6	2.1 x 4.3
Screen Motor (kW)	2 x 2.28	2 x 2.28	2 x 4.3	2 x 6.2
Slump Capacity	4000	4000	4600	4600
Machine Weight (Tons)	9.5	9.7	13.5	16.5



Dimensions

Machine Model	Max Height (mm)	Max Length (mm)	Max Width (mm)	Inlet Height (mm)	Tank Waste Outlet Height (mm)	Discharge Height (mm)
TWS 70	5400	6500	3500	3000	1070	1000
TWS 100	5400	6500	3500	3000	1070	1000
TWS 150	5400	6500	3500	3000	1070	1000
TWS 200	5400	6500	3500	3000	1070	1000



Cyclone

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

Sump Tank

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

Chasis

Constructed with robust steel  
Galvanized walkways and handrails

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)

Outputs

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

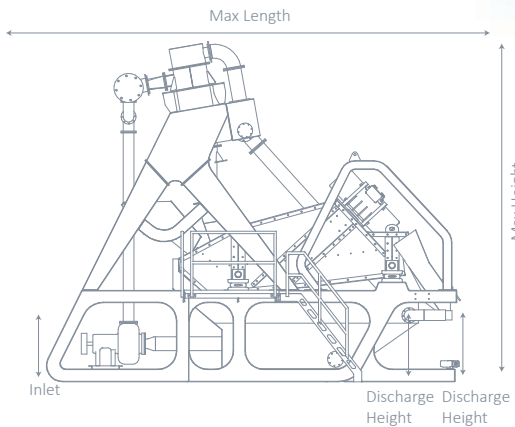
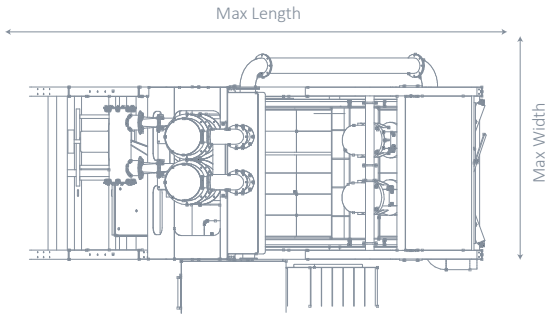
TWS 150

TWS 200



Technical Specification

Machine Model	TWS 150	TWS 200
Max Tonnage Feed (tph)	150	200
Hydrocyclone Size Dia (mm)	375 x 2	500 x 2
Pump Size (mm)	150 x 100	200 x 150
Pump Motor (kW)	30	45
Slurry Flow Rate (M3/Hr)	240	370
Dewatering Screen (mm)	1.8 x 3.6	2.1 x 4.3
Screen Motor (kW)	2 x 4.3	2 x 6.2
Slump Capacity	4600	4600
Machine Weight (Tons)	13.5	16.5



Dimensions

Machine Model	Max Height (mm)	Max Length (mm)	Max Width (mm)	Inlet Height (mm)	Tank Waste Outlet Height (mm)	Discharge Height (mm)
TWS 150	5400	6500	3500	3000	1070	1000
TWS 200	5400	6500	3500	3000	1070	1000



Cyclone

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

Pumps and Pipes

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

Dewatering Screen

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

Sump Tank

Self Regulating Tank (optional sensors)  
Bolted cleanout Flange to simplify access  
Sloped floor to reduce risk of fines buildup

Chasis

Constructed with robust steel  
Galvanized walkways and handrails

Outputs

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

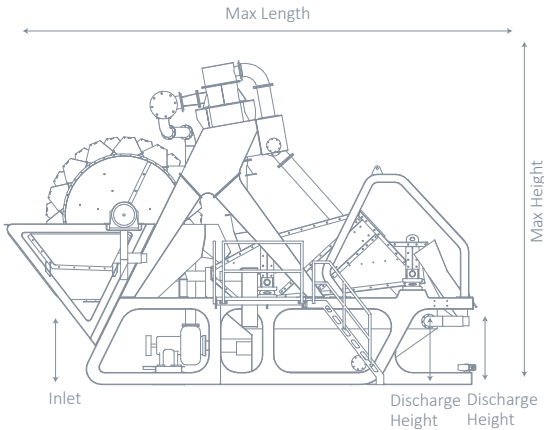
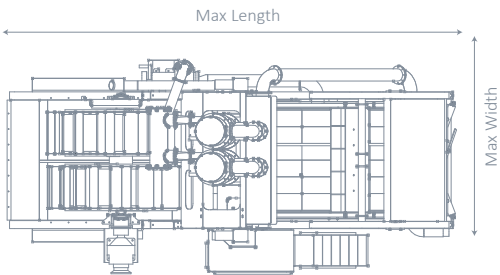
TWS 150

TWS 200



Technical Specification

Machine Model	TWS 150B	TWS 200B
Max Tonnage Feed (tph)	80-120	140-200
Hydrocyclone size (mm)	375 x 2	500 x 2
Pump Size (mm)	150 x 125	200 x 150
Pump Motor (kW)	22	30
Slurry Flow Rate (M3/Hr)	120-150	200-250
Inlet/Outlet Flange (mm)	250/200	250/250
Wheel Diameter	2700	2700
Number of Buckets	32	32
Bucket Speed (RPM)	1.3	1.3
Dewatering Screen (mm)	1800 x 2400	1800 x 3700
Screen Motor (kW)	2 x 3.2	2 x 6.2
Bucket Motor (kW)	9.3	9.3
Machine Weight (Tons)	16.5	18.5



Dimensions

Machine Model	Max Height (mm)	Max Length (mm)	Max Width (mm)	Inlet Height (mm)	Tank Waste Outlet Height (mm)	Discharge Height (mm)
TWS 150B	5400	7850	4000	2500	1070	1000
TWS 200B	5400	7850	4000	2500	1070	1000



# Frac 225

### 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.

### Rinser Screenbox

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

### Dewatering Screen

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

### Sand Conveyors

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

### Pumps

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

### Main Tank

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

### Frac 225

### Frac 265

### Hydrocyclones

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

### Main Conveyor

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

### Feed/Hopper

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

### Aggregate Conveyors

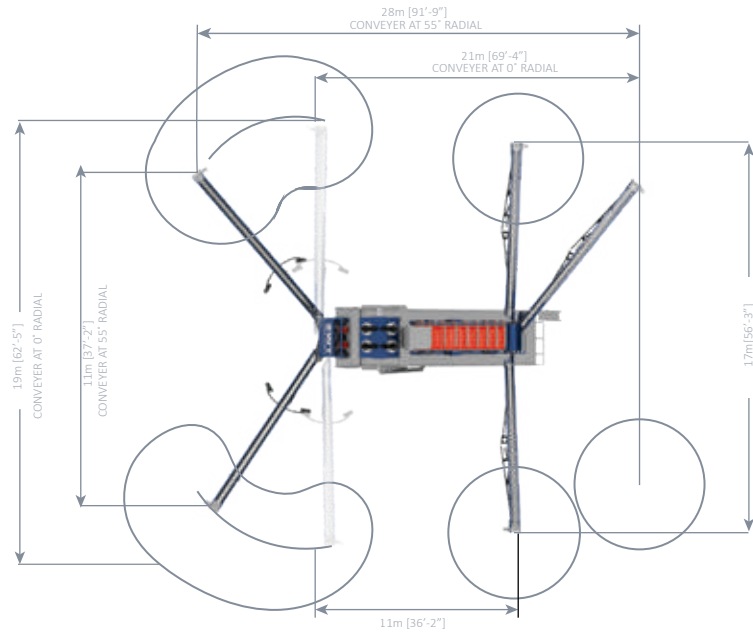
37ft (11.3m) aggregate conveyors  
Positioned to the left or right  
18 degree incline  
Stockpile capacity 125yd (95m3)  
High quality polyurethane scraper  
Galvanised undercarriage

### WalkWays

Galvanised walkways  
30 inch (760mm) wide walkway





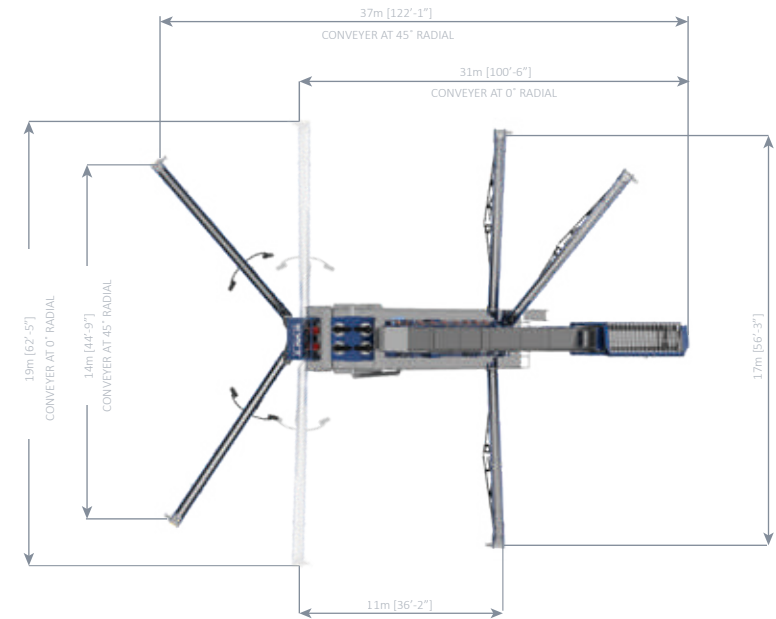


#### Sand Plant - Standard Capacity (120TPH)

Dewatering screen	3.7m x 1.5m (12'x5")	3.7m x 1.5m (12'x5")	3.7m x 1.5m (12'x5")	3.7m x 1.5m (12'x5")
Screen power required	8kW (11hp)	8kW (11hp)	8kW (11hp)	8kW (11hp)
Fines cyclone	1 x T375	1 x T375	2 x T660	2 x T660
Fines pump	200/150- 15kW (20hp)	200/150- 22kW (29.5hp)	250/200- 45kW (60hp)	250/200 - 45kW (60hp)
Coarse cyclone	1 x T500	1 x T500		
Coarse pump	200/150- 30kW (40hp)	200/150- 30kW (40hp)		

#### Sand Plant - Standard Capacity (200TPH)

Dewatering screen	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")
Screen power required	12.4kW (16.5hp)	12.4kW (16.5hp)	12.4kW (16.5hp)	12.4kW (16.5hp)
Fines cyclone	2 x T375	2 x T375	2 x T660	2 x T660
Fines pump	200/150- 22kW (29.5hp)	200/150- 22kW (29.5hp)	250/200- 45kW (60hp)	250/200 - 45kW (60hp)
Coarse cyclone	2 x T500	2 x T500		
Coarse pump	200/150- 30kW (40hp)	200/150- 30kW (40hp)		



#### Screenbox

Screenbox	2 Agg 2 Sand	3 Agg 2 Sand	2 Agg, 1 Sand	3 Agg, 1 Sand
Screening area	6m x 1.8m (20'x6")	6m x 1.8m (20'x6")	6m x 1.8m (20'x6")	6m x 1.8m (20'x6")
Number of decks	2	3	2	3
Power required	22kW (30hp)	22kW (30hp)	22kW (30hp)	22kW (30hp)
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	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")	4.3m x 1.8m (14'x6")
Screen power required	12.4kW (16.5hp)	12.4kW (16.5hp)	12.4kW (16.5hp)	12.4kW (16.5hp)
Fines cyclone	2 x T375	2 x T375	2 x T660	2 x T660
Fines pump	200/150- 22kW (29.5hp)	200/150- 22kW (29.5hp)	250/200- 45kW (60hp)	250/200- 45kW (60hp)
Coarse cyclone	2 x T500	2 x T500		
Coarse pump	200/150- 30kW (40hp)	200/150- 30kW (40hp)		





Thickener

- Truss supportBridge with full span galvanised walkway
- Customer-focused solution with unmatched maintenance access
- Electric drive and lift
- PLC or Marshalling panel
- Wastewater delivered to the centre of the thickener to allow maximum time for material settlement
- Unique rake mechanism for optimal sludge conditioning
- Heavy duty steel support legs and bracing
- Gasket sealed outlets with three slurry nozzles and one manhole
- Prewired and factory tested cone section with integrated sludge pump to allow for rapid setup
- Metered Flocculant dosing system with valves, hoses, injectors

- THT200

THT400

THT600

THT900
- THT1500

THT1800

THT2500

Technical Specification

Model		THT100	THT200	THT400	THT600	THT1500
Maximum Feed Rate		100m³/hr	200m³/hr	400m³/hr	600m³/hr	1500m³/hr
Sludge Flow Rate		5 T/hr	10 T/hr	20 T/hr	30 T/hr	80 T/hr
Sludge Pump		3/2	3/2	4/3	6/4	6/4
Sludge Pump Power Requirement		11 kW	11 kW	15 kW	30 kW	45 kW
Rakes Power Requirement		1.1 kW	2.2 kW	3 kW	4 kW	4 kW
Weight (Empty)		8 T	11 T	20 T	25 T	65 T
Weight (Full)		60 T	120 T	200 T	270 T	750 T
Feed Height		131.89 in	142.52 in	174.02 in	181.10 in	7200 mm
Clean Water Discharge Height		135.83 in	143.31 in	176.77 in	188.98 in	188.98 in
Dimensions	A	5 m	8.1 m	10.5 m	12.8 m	16.7 m
	B	3.4 m	3.6 m	4.4 m	4.4 m	4.4 m
	C	4 m	6 m	8 m	10 m	15 m



# Dewatering Screen

**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.

**Cross Beams**

Support the screen deck and maintain vibration integrity.  
Corrosion-resistant steel.

**Spray Nozzles (Optional)**

For washing materials during the process.

**Support Structure**

Mild steel or stainless steel frame.  
Ensures stability and proper alignment.

**Vibration Motor**

Generates high-frequency linear or elliptical vibrations.  
Adjustable settings for varying materials.

**Screen Panels**

Modular design for easy replacement.  
Polyurethane or wire mesh.

**Dewatering Hopper**

Collects drained water.  
Funnel-shaped design for efficient disposal.

**Drive Assembly**

Motor, gearbox, and drive belt.  
Powers the vibration mechanism.

TDS 1224

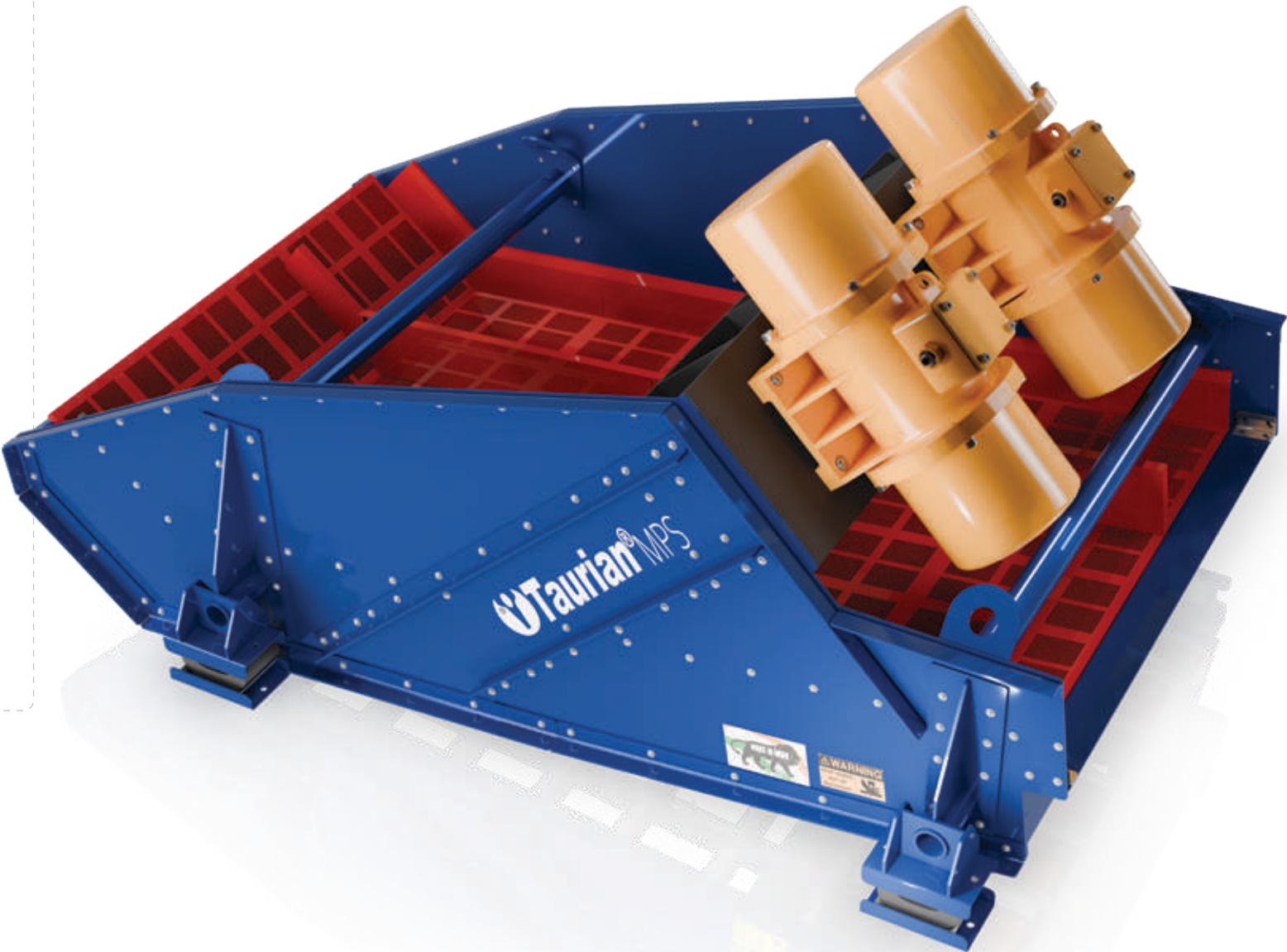
TDS 1824

TDS 1832

TDS 184

Technical Specification

Model	Screen Size	Screening Area	Power (kW)	Max. feed Capacity (tph)
TDS 1224	1200x2400mm	2.88m <sup>2</sup>	5.0	100
TDS 1824	1800x2400mm	4.32m <sup>2</sup>	7.5	150
TDS 1832	1800x3200mm	5.76m <sup>2</sup>	12.5	200
TDS 1840	1800x4000mm	7.20m <sup>2</sup>	15.0	250





# Spiral Classifier

Bucket Wheel

Bucket

Vibrating Motor

Spiral Blade

Spiral Classifier

Main Shaft

Discharge Chute

Dewatering Screen

Sump Tank

Chasis

Slurry Pool

Feeder

SCD 75

SCD 100

SCD 150

SCD 200



Spiral Classifier with Dewatering Screen

Model	Capacity	Wheel Diameter	Number of Buckets	Screw Diameter	Water Tank Capacity	Motor Power	Weight
Units	TPH	m	m/sec	mm (inch)	ltrs	kW (hp)	kg (Ton)
SCD 75	45- 60	2.27	34	1800 (71.0)	4500	5.5 (7)	3600 (3.6)
SCD 100	60- 80	2.5	36	1700 (67.0)	5000	7.5 (10)	5200 (5.2)
SCD 150	90- 120	2.75	42	2200 (86.6)	6000	9.3 (12)	7100 (7.1)
SCD 200	120- 160	3.1	42	2800 (110.2)	8000	9.3 (12)	8500 (8.5)

Dewatering screen

Model	Units	SCD 75	SCD 100	SCD 150	SCD 200
Capacity	TPH	45- 60	60- 80	90- 120	120- 160
Screen Area (W x L)	mm (inch)	900 x 1800 (35.4 x 71.0)	1200 x 2150 (47.2 x 84.6)	1500 x 2500 (59.1 x 98.4)	1800 x 2500 (71.0 x 98.4)
Operating Angle	deg	5°	5°	5°	5°
Motor Power	kW (hp)	2 x 1.13 (2 x 2)	2 x 1.5 (2 x 2)	2 x 2.2 (2 x 3)	2 x 3.2 (2 x 4)
Weight	kg (Ton)	775 (0.77)	850 (0.85)	1300 (1.3)	1900 (1.9)

# Spiral Classifier without Dewatering Screen

SC 75

SC 100

SC 150

SC 200

Spiral Classifier without Dewatering Screen

Model	Capacity	Wheel Diameter	Number of Buckets	Screw Diameter	Water Tank Capacity	Motor Power	Weight
Units	TPH	m	m/sec	mm (inch)	ltrs	kW (hp)	kg (Ton)
SC 75	45- 60	2.27	34	1800 (71.0)	4500	5.5 (7)	3600 (3.6)
SC 100	60- 80	2.5	36	1700 (67.0)	5000	7.5 (10)	5200 (5.2)
SC 150	90- 120	2.75	42	2200 (86.6)	6000	9.3 (12)	7100 (7.1)
SC 200	120- 160	3.1	42	2800 (110.2)	8000	9.3 (12)	8500 (8.5)





# STACKMAX

A Taurian Brand

- Telescopic Radial Conveyor
- MobiStack
- Horizontal Index Conveyor
- PowerStack



# STACKMAX

Telescopic Radial Conveyor

**Automation System**  
Designed in-house with clean, easy to understand interface.

**Rock Box Radial Hopper**  
Designed for rock-on-rock wear with internal ledge.

**Load Rollers**  
Each roller equally shares weight of stinger conveyor.

**Tensioning Belt Cleaner**  
Eliminates unwanted fugitive material on belt.

**Pulley System**  
Ejects fugitive material for longer lasting pulleys and belting.

**Undercarriage**  
Provides maximum undercarriage support for safety and lateral stability.

**Slidetrack System**  
Cable support system designed with no catch points and easy maintenance.

**Return Trainer Belt**  
Constantly guides and centers belt.

**Stinger Safety Stop**  
Activates in event of cable failure to maintain position of stinger.

**Ultrasonic Pile Sensor**  
Contact Free Sensor is not affected by dust



Operating Specifications

Specification	35 (m)	40 (m)	45 (m)	50 (m)
Conveyor Length (A)	35	40	45	52
Highest Extended Discharge Height (B)	13.0	14.0	16.0	18.5
Lowest Extended Discharge Height (C)	4.1	4.3	4.8	4.5
Highest Retracted Discharge Height (D)	7.8	8.0	9.5	11.0
Lowest Retracted Discharge Height (E)	2.9	2.9	3.2	3.2
Anchor Pivot to Center of Axle (F)	13.5	15	17	23



- Conveyor

Conveyor length 20m  
Belt width 1050mm  
Conveyor drive hydraulic  
Discharge height @24° 8.7m  
Max discharge height @28° 10m  
Capacity Up to 400 TPH
- Self Aligning Scraper

Maintain belt tension
- Dual Speed Track

0.9 km/h to 1.6 km/h  
Quick deployment  
Energy efficiency on site
- Power Unit

Diesel Hydraulic  
Fuel tank vol. 200 L  
Standard hydraulic oil cooler
- Hopper

Rubber pads to reduce impact  
Vast range for flexibility
- Hydraulic Adjustment

Easy plant integration  
Variable feed height reduces impact



Operating Specifications

Specification	TC 2090	TC 2090S	TC 2490	TC 2490S
Conveyor Length	21.8 m	21.8 m	24 m	24 m
Discharge Height (20 degrees)	10.02 m	10.02 m	10.8 m	10.8 m
Belt Width	900 mm	900 mm	900 mm	900 mm
Stockpile Volume	1,555 m³	1,555 m³	2,085 m³	2,085 m³
Stockpile Mass @ @ 1.6t/m³	2,500 Tonnes	2,500 Tonnes	3,340 Tonnes	3,340 Tonnes

# STACKMAX

Horizontal Index Conveyor (HIC)

**Core Function**  
100–300+ TPH, influenced by material type  
Conveyor length from 40-100+ ft  
Variable belt speed via VFD (0-2 m/s)  
Incremental movement for precise stockpiling

**Belts and Idlers**  
Standard belt width of 24 inches (600 mm)  
multi-ply rubber (abrasion-resistant)  
Troughing idlers and return rollers to center  
Impact idlers for shock absorption

**Indexing**  
Stop-and-go or creep function for stockpiling.  
PLC-driven controls with user-friendly interfaces  
optional remote/telemetry

**Automation**  
Touchscreen for belt operation, speed control,  
and alarm monitoring.  
Sensors for belt misalignment, block-up,  
and emergency stops.  
Integrated engine/motor diagnostics for  
real-time status checks.

**Mobility**  
Can be track-mounted, wheeled, or stationary.  
Adjustable discharge heights or add-on hoppers  
for site-specific requirements.

**Applications**  
Mining/Quarrying – Stockpiling aggregates,  
ore, or overburden in layers.  
Ports & Terminals – Loading/unloading  
of barges or ships  
Construction – bulk handling of building  
materials or demolition debris.  
Power Plants – Feeds biomass, coal,  
or other fuels into boilers or silos.  
Industrial Bulk Handling –steel mills,  
grain terminals for horizontal transfer

## Operating Specifications

Specification	Meters	Meters
Conveyor Length (A)	24	30
Conveyer Height (B)	5.0	5.0
Discharge Height from Conveyer (C)	4.2	4.2
Discharge Height from Hood (D)	2.2	2.2
Conveyer Length with Hood (E)	26	32





Inverted design protects cylinder rods from debris during operation.

Protects conveyor and integrity of belting during folding/unfolding.

Adjustable pintle style hitch provides the most secure coupling

Shields tail pulley from onslaught of damaging fugitive material.

Hydraulically transfers stacker from inline to radial mode in seconds.

Trusted seal design provides shields bearing from fugitive material.

Enclosed drive protected from debris.

Quickly raise, lower, fold and unfold conveyor.

Ejects fugitive material for longer lasting pulleys and belting.

Bolt on design includes adjustable flashing in gathering trough

## Operating Specifications

Specification	29 (m)	34 (m)	38 (m)	46 (m)
Conveyor Length (A)	29.0	33.5	38.1	45.7
Conveyor Ground Length (B)	26.9	31.1	36.2	42.8
Raised Height to Center of Pulley (C)	9.8	11.1	12.6	14.6
Lowered Height to Center of Pulley (D)	4.2	5.2	5.4	4.6
Anchor Pivot to Center of Axle(E)	14.5	17.2	18.3	24.1







300 TPH PLANT | RAJASTHAN



SCREEN HFS 5518-3D | PUERTO RICO



CYCLOWASH | MP



BADLAPUR | MAHARASHTRA

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