TRC SERIES™

Roll Crusher

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.

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

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

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

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

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.

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

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.

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




Madhya Pradesh | Roll Crusher


Uttarakhand | Roll Crusher


Madhya Pradesh | Roll Crusher

Technical Specification

Model	Max feed size	Capacity	Roll dimensions (Dia x Width)	Max roll speed	Power	Weight
TRC 800	32 mm	60-90 TPH	800 x 500 mm	30 rpm	2 x 75 kW	12900 kgs

HFS SERIES™
High Frequency Screen

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.

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

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.

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.

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

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.
Large walkways for easier access.
Rubber capped wire cloth support bars.




Russia | HFS


Moscow | HFS


Maharashtra | HFS

Technical Specification

Model	HFS 5518 2D	HFS 5518 3D
Screen size	1830 x 5490 mm	1830 x 5490 mm
Screening area	10 m²	10 m²
No. of mesh	6	9
Angle	38° - 43°	38° - 43°
Motors (electric/hydraulic)	13 x 1.3 kW	19 x 1.3 kW
Weight	10540 kgs	13540 kgs

CMS SERIES™

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

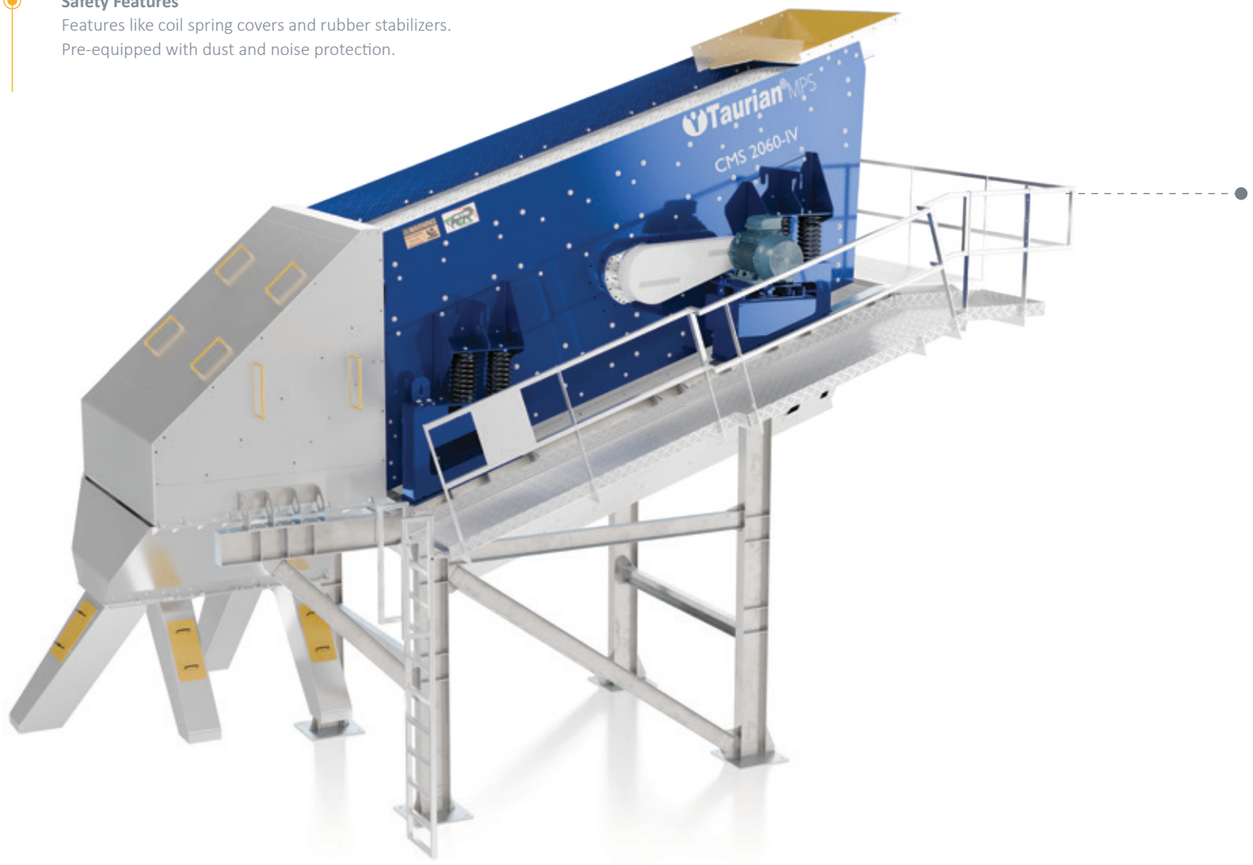
Customizable Options
Modular wear parts and screening media.
Anti-blinding, spray pipes, and galvanization for specific needs.

Frame
Weld-free side plates for stress tolerance.
Huck bolting for reliable connections.

Safety Features
Features like coil spring covers and rubber stabilizers.
Pre-equipped with dust and noise protection.

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.



Technical Specification

Model	Screen size	Screening area	No. of decks	Capacity	Power	Weight
CMS 1530-I	1500 x 3000 mm	4.5 m²	1	125 TPH	11 kW	1300 kgs
CMS 1540-I	1500 x 4000 mm	6 m²	1	150 TPH	11 kW	1400 kgs
CMS 1540-II	1500 x 4000 mm	6 m²	2	225 TPH	15 kW	3150 kgs
CMS 1540-III	1500 x 4000 mm	6 m²	3	225 TPH	15 kW	4050 kgs
CMS 1540-IV	1500 x 4000 mm	6 m²	4	255 TPH	15 kW	5000 kgs
CMS 1850-II	1800 x 5000 mm	9 m²	2	325 TPH	15 kW	4200 kgs
CMS 1850-III	1800 x 5000 mm	9 m²	3	325 TPH	15 kW	5200 kgs


Uttarakhand | CMS


Maharashtra | CMS


Jharkhand |CMS

Technical Specification

CMS 1850-IV	1800 x 5000 mm	9 m²	4	325 TPH	15 kW	6800 kgs
CMS 2060-II	2000 x 6000 mm	12 m²	2	425 TPH	22 kW	6500 kgs
CMS 2060-III	2000 x 6000 mm	12 m²	3	425 TPH	22 kW	8500 kgs
CMS 2060-IV	2000 x 6000 mm	12 m²	4	425 TPH	30 kW	10400 kgs
CMS 2461-II	2400 x 6100 mm	14.6 m²	2	525 TPH	30 kW	8400 kgs
CMS 2461-III	2400 x 6100 mm	14.6 m²	3	525 TPH	30 kW	10500 kgs
CMS 2461-IV	2400 x 6100 mm	14.6 m²	4	525 TPH	45 kW	13000 kgs

HMS SERIES™

Horizontal Motion Screen

Optimal Screening Design
1930 mm x 6096 mm- 3-deck horizontal screen equipped with Taurian's advanced oval stroke design for enhanced performance and material stratification.

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.

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

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.

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

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.

Robust Build Quality
25% thicker- 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.





Maharashtra | Horizontal Motion Screen

Technical Specification

Model	HMS 6203
Screen size	1930 x 6096 mm
Screening area	11.5 m²
No. of decks	3
Speed	730-870 rpm
Motor	30 kW
Weight	10588 kgs

SZ SERIES™
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.

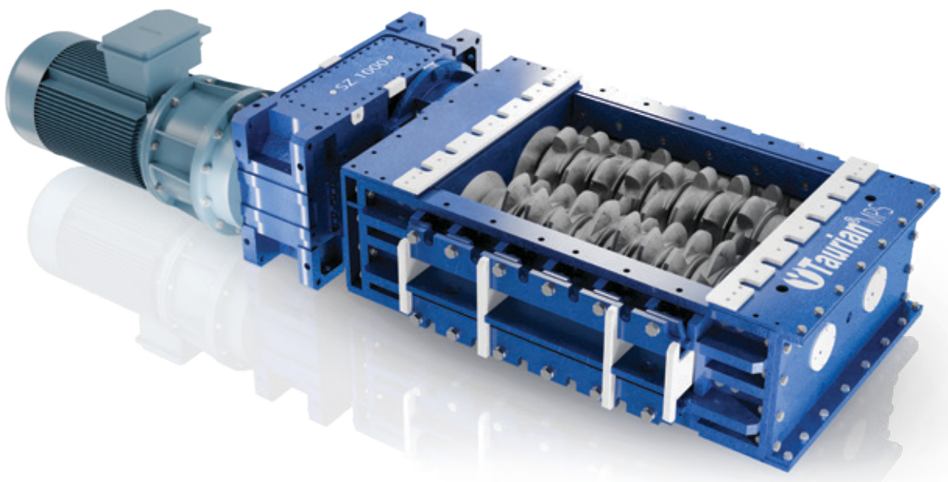
Lower Installation and Construction Costs
Compact design reduces installation costs.
High throughput with unique breaking action.
Ideal for tight spaces and retrofitting applications.

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.

Model	SZ Series 1000
Height	1590 mm
Width	3020 mm
Weight	60000 Kgs

SZ Series	1000
Rings	6
Teeth Per Ring	3
Speed	25 rpm
Roll Speed	1.5 m/s
Breaker Bar	Installed below crushing rolls, full width
Drive System Type	Electrical via Fluid Couplings
Drive Power	400 kW
Reducer in / Out Ratio	60:1 rpm
Reducer Torque	156 kN.m
Coupling	650 TVSC fluid coupling 450 kW
Lubrication System	Auto Grease Supply for crusher bearings



TGF SERIES™
Grizzly Feeders

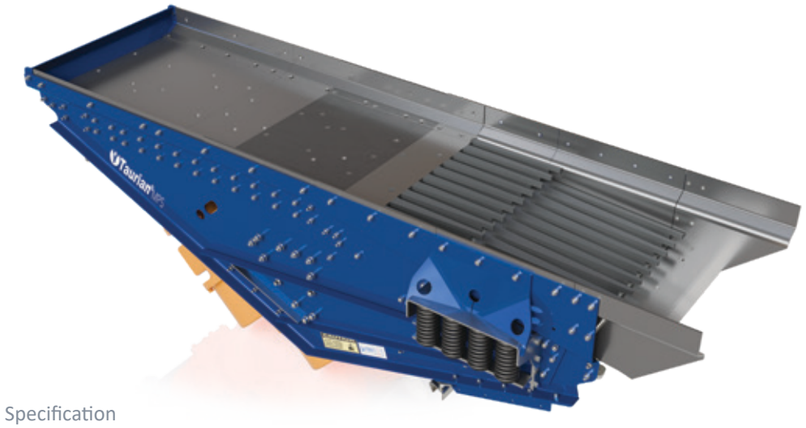
Vibratory Drive Mechanism
Frequency ~600–1200 RPM; amplitude via eccentric weights or electromagnetic drives.
Shafts/bearings are high-strength steel for continuous load handling.

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

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

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



Technical Specification

Model	Dimension *(L x W)*	Grizzly area	Max feed size	Motor	Weight
TGF 942-2S	4200 × 900 mm	3.78 m²	500 mm	8 kW	3000 kgs
TGF 1042-2S	4200 × 1000 mm	4.2 m²	600 mm	8 kW	3300 kgs
TGF 1142-2S	4200 x 1100 mm	4.6 m²	700 mm	8 kW	3500 kgs
TGF 1148-2S	4800 x 1100 mm	5.3 m²	700 mm	12 kW	4500 kgs
TGF 1248-2S	4800 x 1200 mm	5.8 m²	700 mm	15 kW	5500 kgs
TGF 1349-2S	4900 x 1300 mm	6.4 m²	700 mm	15 kW	5400 kgs
TGF 1361-2S	6100 x 1300 mm	8 m²	900 mm	30 kW	7000 kgs
TGF 1661-2S	6100 x 1600 mm	9.8 m²	1200 mm	30 kW	10500 kgs
TGF 2066-2S	6600 x 2000 mm	13.2 m²	1500 mm	55 kW	15000 kgs

TGFS SERIES™

Heavy Duty Grizzly Feeders

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

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

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.

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

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.
Large walkways for easier access.
Rubber capped wire cloth support bars.





Puerto Rico | Grizzly Feeder



Uttarakhand | Grizzly Feeder

Technical Specification

Model	TGF 1062S	TGF 1262S	TGF 1562S	TGF 1862S	TGF 2162S	TGF 2462S
Max feed capacity	560 TPH	720 TPH	880 TPH	1040 TPH	1200 TPH	1360 TPH
Feeder *(L x W)*	6000 x 1020 mm	6000 x 1220 mm	6000 x 1520 mm	6000 x 1820 mm	6000 x 2120 mm	6000 x 2420 mm
Grizzly length	2 × 900 mm	2 × 900 mm	2 × 900 mm	2 × 900 mm	2 × 900 mm	2 × 900 mm
Grizzly area	1.8 m²	2.2 m²	2.7 m²	3.3 m²	3.8 m²	4.3 m²
Motor	2 × 15 kW	22 kW	30 kW	37 kW	37 kW	2 × 30 kW
Weight	6450 kgs	7250 kgs	8150 kgs	8800 kgs	9700 kgs	11700 kgs

TAF SERIES™
Apron Feeder

Extra Durability and Long Life
Cast manganese pans provide high wear resistance and extended service life.

Heavy-Duty Chassis and Impact Rails
Reinforced chassis and impact rails beneath the pans protect the equipment from heavy material impacts.

Forged 4140 Drive Shaft
High-strength forged drive shaft supports demanding heavy-duty feeding applications.

Hydraulic Tensioner System
Provides easy maintenance, adjustment and reliable chain tensioning.

Dozer-Type Rollers
Heavy-duty rollers maintain proper chain alignment for smooth and reliable operation.

Easily Interchangeable Segmental Sprockets
Segmental sprocket design enables quicker replacement and easier maintenance.

Electromechanical or Hydraulic Drive Units
Available with single or double drive configurations to suit different operating requirements.

Heavy-Duty Bearings
Robust bearings ensure reliable feeding performance and long operating life.



Technical Specification

Model	TAF 900	TAF 1200	TAF 1500	TAF 1800
Width	900 mm	1200 mm	1500 mm	1800 mm
Capacity	110-350 mtph	230-680 mtph	350-1100 mtph	600-1750 mtph
Max feed	380 mm	520 mm	650 mm	830 mm
Chain speed	0.1-0.30 m/s	0.1-0.30 m/s	0.1-0.30 m/s	0.1-0.30 m/s

TWF SERIES™
Wobbler Feeder

Heavy-Duty Elliptical Discs
Rotating discs generate continuous lifting and rolling action for effective material separation.

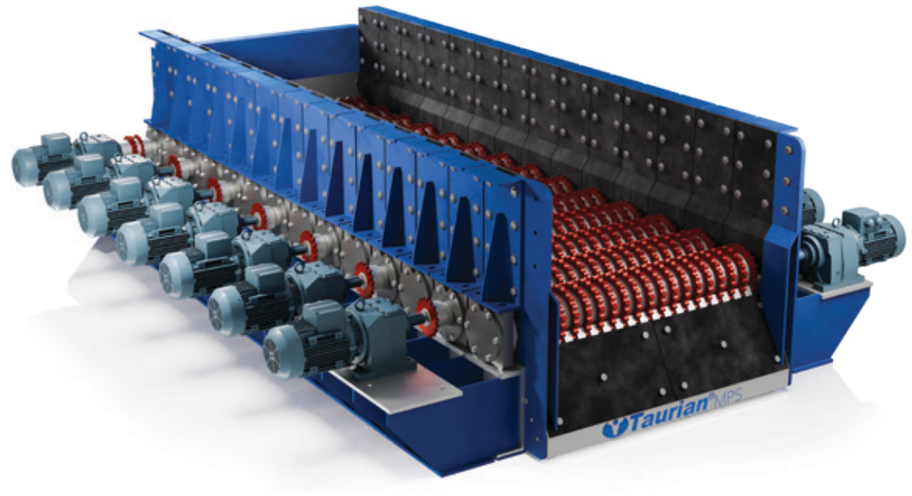
Self-Cleaning Shaft Design
Continuous shaft rotation helps prevent wet, sticky and clay-rich material from building up.

Integrated Feeding & Pre-Scalping
Feeds material steadily while removing unwanted fines before the crushing stage.

Controlled Disc Spacing
Precisely arranged disc gaps determine separation size and allow undersize material to pass through efficiently.

Synchronized Drive System
Coordinated shaft rotation maintains uniform material movement and consistent feeder performance.

Heavy-Duty Structural Frame
Robust construction withstands impact, abrasion and demanding continuous-duty applications.



Technical Specification

Model	TWF 1035	TWF 1235	TWF 1440	TWF 1660	TWF 1860
Capacity	200-300 mtph	300-400 mtph	350-450 mtph	400-650 mtph	650-1000 mtph
Power	22 kW	22 kW	30 kW	2 x 37 kW	2 × 37 kW
Available Settings in (mm) = 40, 60, 80, 100, 150					