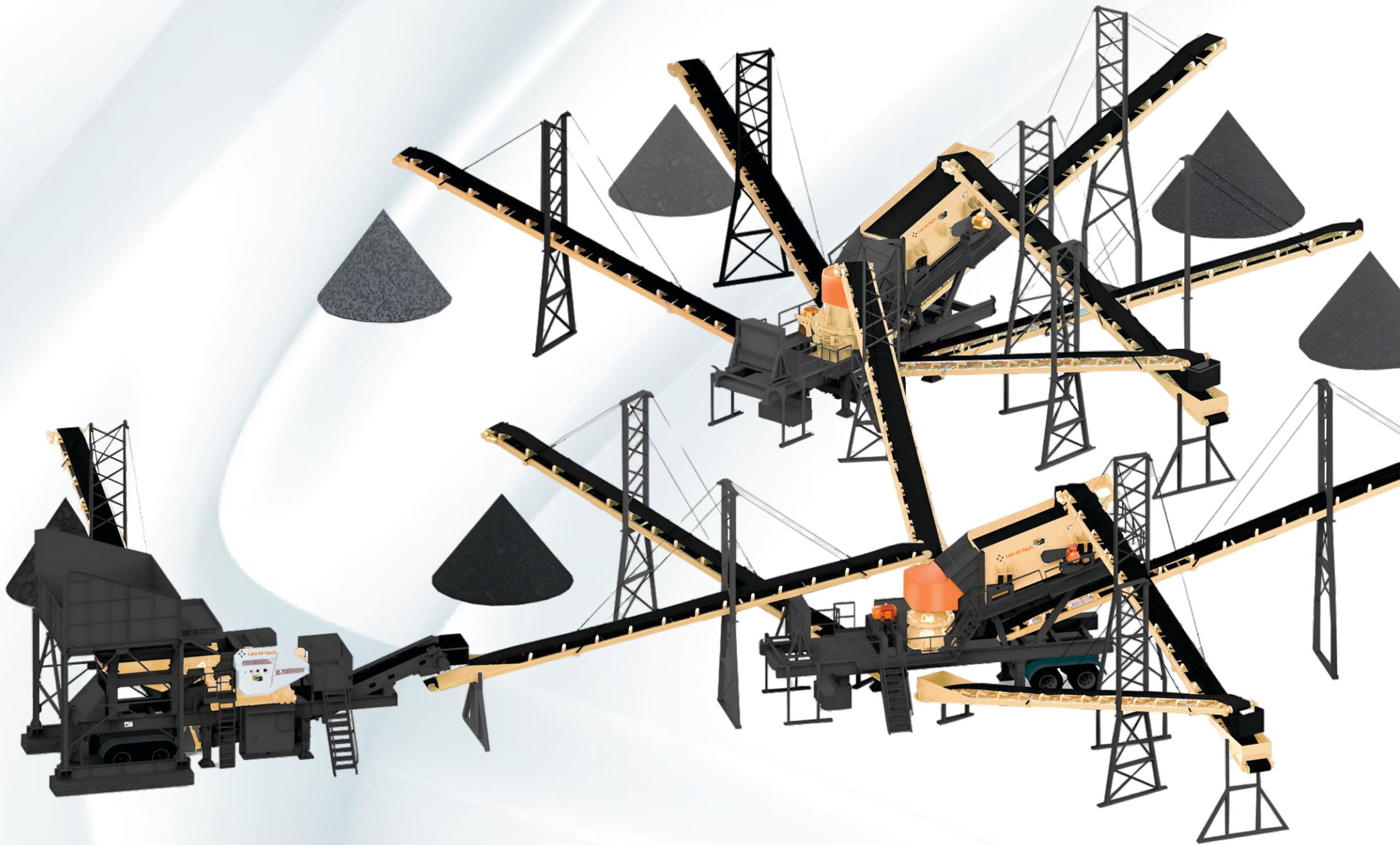




**Leo Hi-Tech**  
EXCELLENCE QUALITY

# ***PRODUCT CATALOGUE***

***FEEDERS | CRUSHERS | SCREENS | WASHING SOLUTION | CLASSIFIERS***



The finest choice for sustainable value addition of natural resources in the world, Leo HI-Tech is one of the leading construction and mining equipment manufacturer from India. Leo HI-Tech specializes in engineering, designing, fabrication and manufacturing of capital equipment and completion of turnkey projects for the mining and aggregates industries. We provide safe, secure, low operating cost and highly efficient machines for our partners that perfectly suit their requisites.

The Leo HI-Tech infrastructure comprises a stellar assemblage of state of the art machinery, tools, and instruments / machines to craft world-class construction and mining equipment for the global customers. As a fast-growing professionally managed organization in the sustainable mineral processing industry, we hold a great responsibility towards our clients, employees, partners, environment and the society.

All along this wonderful journey, shouldering this responsibility in the best possible way have been our strategy to operate in this world. Through innovation, we deliver ingenious solutions for the industry.

The client can feel quality and trust in our equipments which helps and motivates us to better serve the world. With an agile approach and far-reaching global presence, we have been able to achieve and maintain sustained growth for some time now. An effective organization structure has been shaped over the years which awards the firm an operational excellency on par with some of the best-run enterprises in the world.

By embracing latest innovative digital services and goods, we have committed ourselves to deliver the best to our clients. In Leo HI-Tech, the strategy is always innovate the most efficiently to make the customer succeed to prosperity.

# LEO WHEELER SERIES

## PRIMARY WHEELER

The jaw plants are a combination of rugged jaw crushers and portability. It can handle hard rocks, ores, river gravel, or construction debris. They are guaranteed to perform in most rugged conditions - day in and day out.

Model	Main Component	Jaw CSS(mm) Min/Max	Nominal Feed Opening (mm)	Motor (kW)	Capacity(TPH) 80/120 mm CSS
WJ 150	Jaw Crusher LJ150(23x37in), Grizzly Feeder 1035 -2S	60/140	580	90	140/200
WJ 200	Jaw Crusher LJ200(28x42in), Grizzly Feeder 1142-2S	70/140	700	110	180/280
WJ 300	Jaw Crusher LJ300(32x45in), Grizzly Feeder 1248-2S	70/140	750	132	250/350

# Features

- Stiff & Robust chassis - Strong frame supports all equipment and reduces vibrations. Its high stability and low weight make transportation easy.
- Scalp Grizzly - Equipped with grizzly sections, they also remove the fines to bypass the primary crusher

## FEED HOPPER

Hydraulically foldable  
Wear resistant  
Extension for more volume capacity

## JAW CRUSHER

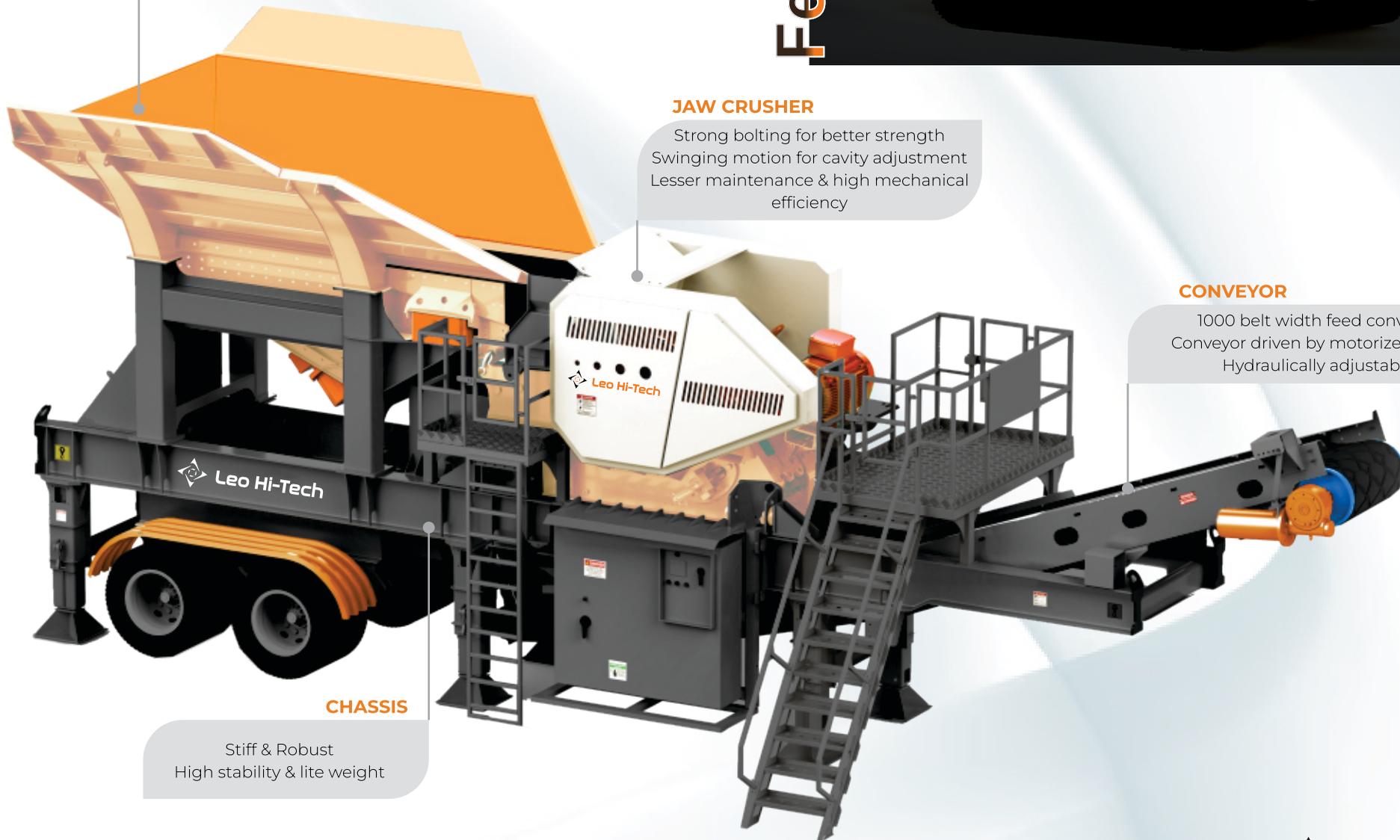
Strong bolting for better strength  
Swinging motion for cavity adjustment  
Lesser maintenance & high mechanical efficiency

## CONVEYOR

1000 belt width feed conveyor  
Conveyor driven by motorized pulley  
Hydraulically adjustable

## CHASSIS

Stiff & Robust  
High stability & lite weight



# LEO WHEELER SERIES

## SECONDARY WHEELER

The secondary wheeler with Cone Crusher and on-board screen are designed for high productivity and good screening efficiency. Wide range of Cone crushers (fixed or, floating shaft construction) and large four deck screens assure capacities from 100 to 350 tph.

Model	Main Component	Crusher Motor (kW)	Capacity (TPH)
Floating Shaft/Bush Cone			
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
Floating Shaft/Bush Cone			
WCB 200	Cone Crusher CB 200, Screen 1800x5000	160	200
WCB 300	Cone Crusher CB 300, Screen 2000 x 6000	250	300



### VIBRATING SCREEN

Efficient separation & maximum screening output  
Hydraulically foldable for transport  
Extensive platforms for safe maintenance

# Features

- High capacity & excellent end product cubicity.
- Accurate classification of different end products are to be achieved from on-board screen
- Higher capacity and excellent product quality, and in providing a wider range of application suitability.
- Efficient and reliable EC & HF Series cone crushers.
- Built - In Safety Features.

### CONE CRUSHER

Highly suitable for hard rock crushing  
High performance & easy to maintain  
Excellent end product quality

### CHASSIS

Stiff & Robust  
High stability & lite weight

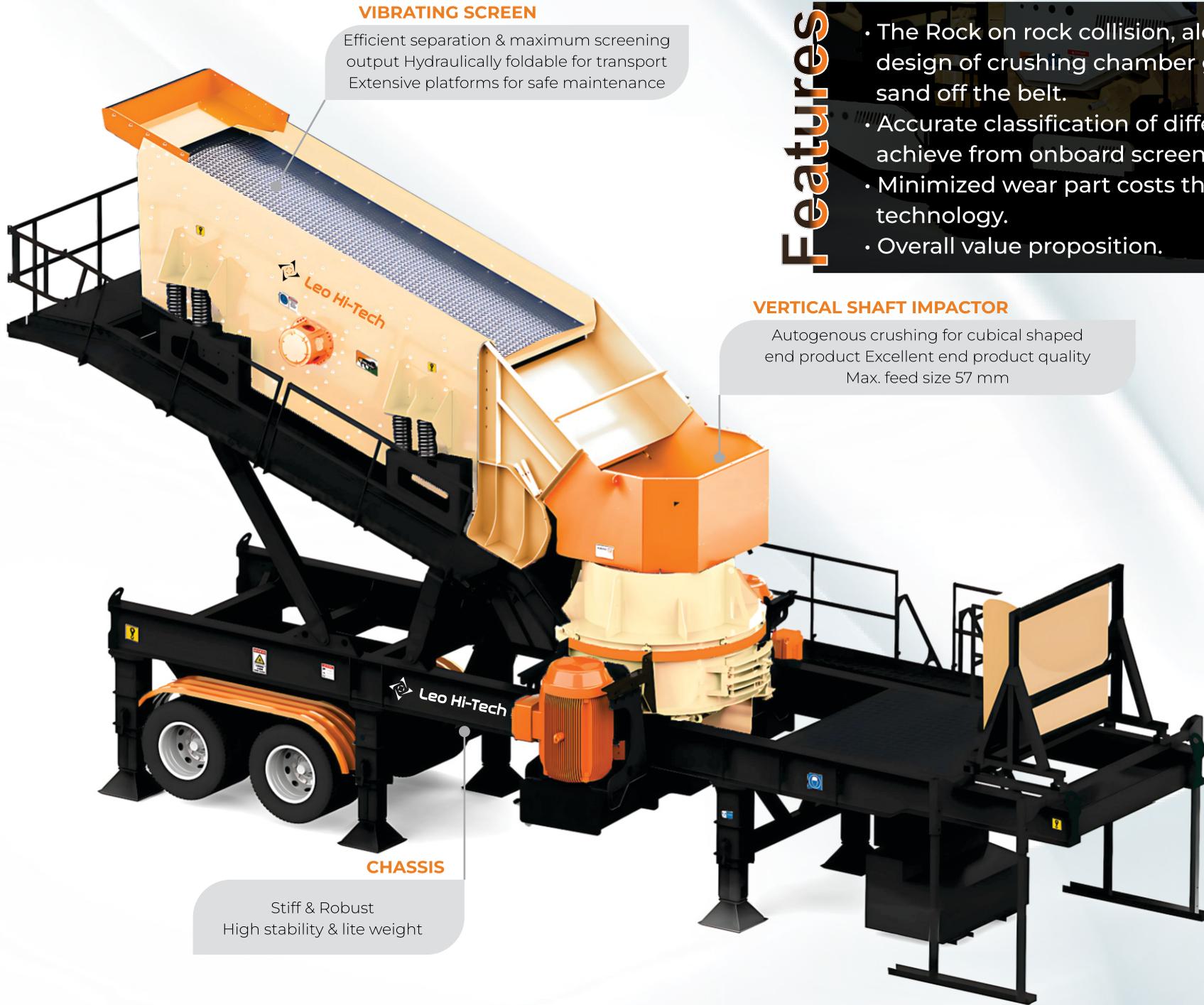
# LEO WHEELER SERIES

## TERTIARY WHEELER

Wheeler crushing and screening plant is a solution for producing manufactured sand. It combines both VSI crusher and four deck dual-slope screens on the same chassis. VSI crusher, or tertiary wheeler, is typically used in the last stage of a multistage crushing process or as a stand-alone unit processing pre-crushed material. It is known for producing precisely shaped cubical end products.

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

Capacities shown in the table are indicative and can change due to material characteristics, moisture, type of feeding, Tip Speed, Separation, operator efficiency, power parameters, wear etc.



### VIBRATING SCREEN

Efficient separation & maximum screening output  
Hydraulically foldable for transport  
Extensive platforms for safe maintenance

## Features

- The Rock on rock collision, along with impeccable design of crushing chamber gives best quality sand off the belt.
- Accurate classification of different end products achieve from onboard screen.
- Minimized wear part costs thanks to rock-on-rock technology.
- Overall value proposition.

### VERTICAL SHAFT IMPACTOR

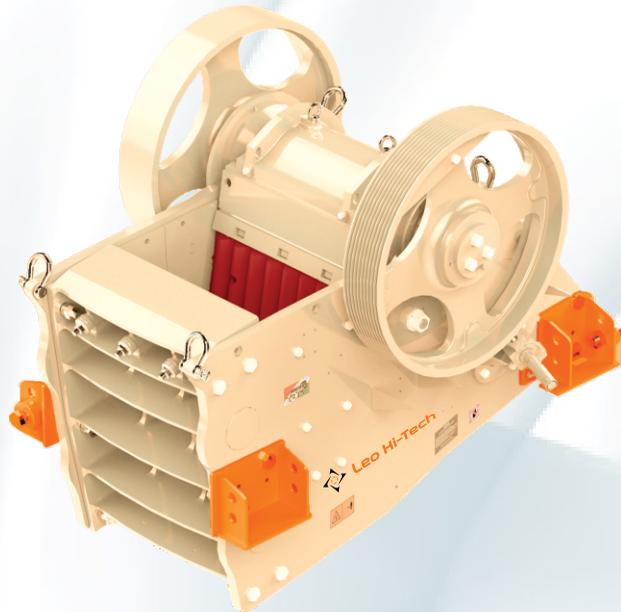
Autogenous crushing for cubical shaped end product  
Excellent end product quality  
Max. feed size 57 mm

### CHASSIS

Stiff & Robust  
High stability & lite weight

# JAW CRUSHER

Designed to handle tough rocks



## Features

- Bolted, non-welded frame construction
- Premium quality castings, bearings and components
- Easy wedge adjustment system for controlling crusher setting
- Aggressive nip angle
- In-built motor mount (optional)
- Aggressive pitman movement

MODEL	LJ 100	LJ 150	LJ 200	LJ 300	LJ 350	LJ 450	T J 550
Nominal feed opening Length (mm)	800	930	1060	1150	1200	1300	1400
Nominal feed opening width (mm)	510	580	700	760	870	1000	1200
Power (kW)	75	90	110	132	160	160	200
Speed (RPM)	350	330	280	260	230	220	220
<b>Crusher throughput capacity</b>							
Closed Side Setting (mm)	TPH						
40	55 - 75						
50	65 - 95						
60	80 - 110	105 - 135					
70	95 - 135	125 - 155	150 - 185	165 - 205	175 - 240		
80	110 - 150	140 - 180	165 - 215	180 - 235	195 - 270		
90	125 - 175	160 - 200	190 - 235	205 - 255	210 - 305	270 - 369	
100	140 - 190	175 - 225	205 - 265	225 - 285	235 - 325	325 - 446	
125	175 - 245	220 - 280	255 - 325	270 - 345	285 - 395	380 - 523	340 - 470
150	210 - 290	265 - 335	305 - 385	320 - 405	340 - 475	435 - 600	400 - 555
175	245 - 335	310 - 390	355 - 450	370 - 465	355 - 450	490 - 677	460 - 635
200			395 - 500	410 - 520		545 - 754	520 - 720
225						545 - 754	580 - 800
250						600 - 831	640 - 880

# CG SERIES - CONE CRUSHER

Secondary, tertiary/quaternary crusher for hard rocks/ores.



## Features

- Floating shaft construction
- Premium quality castings, bushings and components
- On-the-go adjustment system for controlling crusher setting
- Aggressive crusher CSS adjustment
- No backing compound, quick liner change.

Model	Weight (kg)	Motor Size kw	Stroke mm	Approximate TPH at Close Side Setting (CSS)							
				8 mm	10 mm	15 mm	20 mm	25 mm	30 mm	35 mm	15 mm
CG 100	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				
CG 200	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			
CG 300	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		
CG 500	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
			20 mm	25 mm	30 mm	35 mm	40 mm	45 mm	50 mm		
CG 150	7350	75-90	16	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				
CG 250	10900	110-160	18	110-140	140-170	160-190	180-210	200-230	230-260		
			25		170-220	190-240	210-260	230-280			
			32			230-280	270-320	280-350			
CG 350	16200	132-250	18	170-190	170-210	190-230	210-255	235-275	255-295		
			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

Secondary, tertiary/quaternary crusher for hard rocks/ores.

## Advantages

- **Highly Cubical** Shaped product output
- **Excellent** reduction ratio
- **Crusher can be converted** in to a Sander
- **Easy CSS adjustment** with hydraulic cylinders



## Features

- Fixed shaft Cone crusher
- Tertiary type fine head crusher
- Unrestricted feed entry
- Roller bearing construction All-in feed

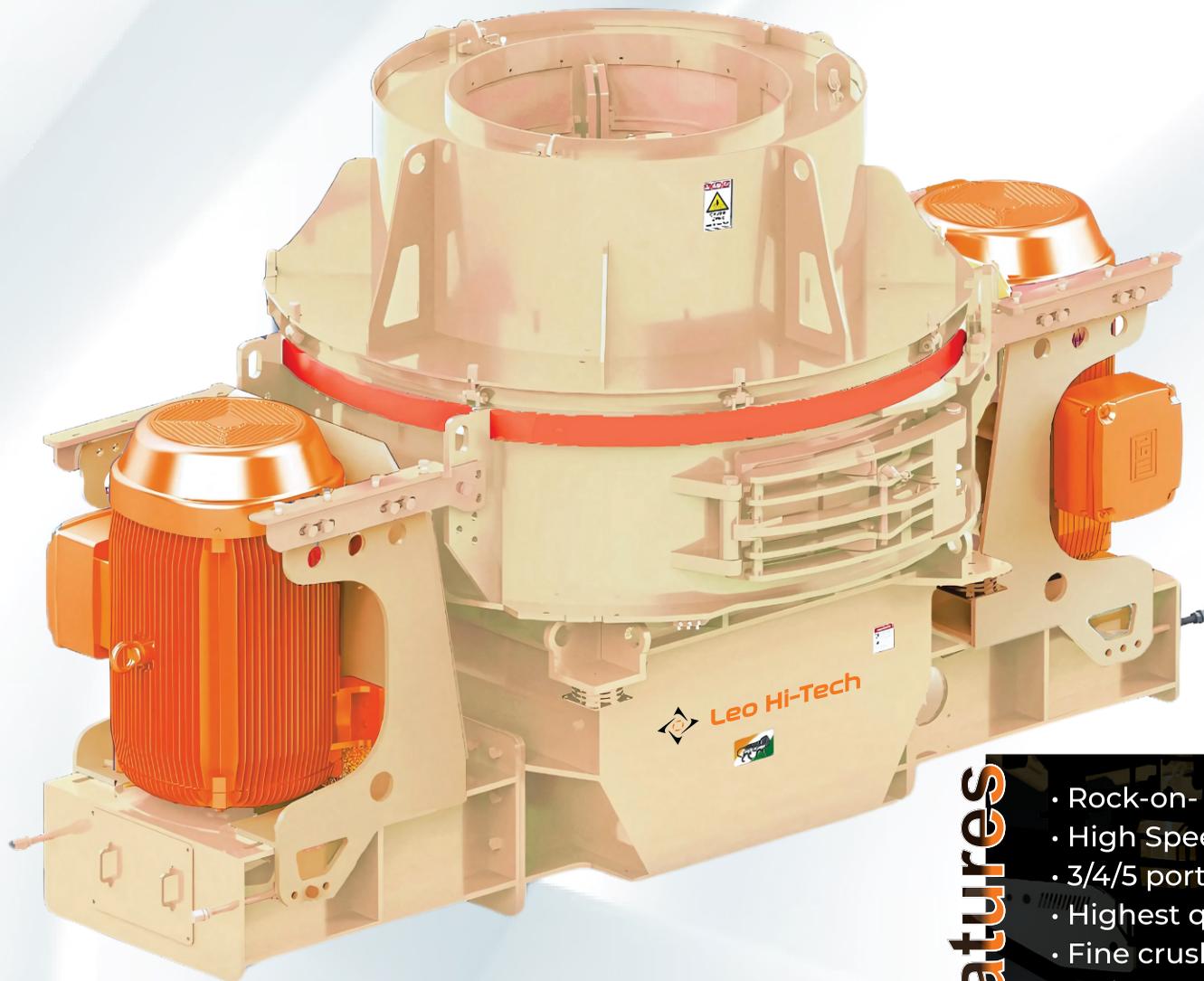
Model	Weight (kg)	Power kw	Max Feed Size(mm)	Approximate TPH at Closed Side Setting (CSS)		
				13 mm	16 mm	19 mm
CB 100 SANDER	9600	160	65	90-125	100-135	115-150
CB 200 SANDER	21400	250	65	170-190	185-205	200-225

Model	Weight (kg)	Power kw	Max Feed Size(mm)	Approximate TPH at Closed Side Setting (CSS)				
				19 mm	22 mm	25 mm	28 mm	32 mm
CB200 XC	10,200	160	200	140-165	160-190	165-200	175-215	185-225
CB200 MC	10,200	160	165	130-150	145-175	150-185	160-195	
CB300 XC	22,200	250	225		225-260	240-280	255-300	265-325
CB300 MC	22,200	250	185		205-245	220-260	235-280	245-300

Capacities shown in the table are indicative and can change due to material characteristics, moisture, type of feeding, CSS, Separation, operator efficiency, power parameters, wear etc.

# L SERIES - VSI

For fine crushing, Shaping & Manufactured sand.



## Features

- Rock-on-Rock crushing
- High Speed spinning rotor
- 3/4/5 port rotor
- Highest quality product shape
- Fine crushing
- Quick maintenance with chamber access door
- Free flow rotor bypass system.

Series	Model	Power kw	Drive Configuration	General Crushing (TPH)	Shaping (TPH)	M-Sand/Fine Crushing (TPH)
<b>LIGHT L-SERIES</b> VSI Feed Size up to 32 mm Rotor RPM 1450-2450 Weight 6400 kg (apprx)	L-75	75	Single	75	82	60
	L-110	110	Single	110	122	100
	L-150	150	Single	150	165	135
<b>HEAVY L-SERIES</b> VSI Feed Size up to 45 mm Rotor RPM 1050-2150 Weight 12,450 kg (apprx)	L-185	185	Single	185	205	170
	L-220	220	Single	220	242	200
	L-320	320	Dual	320	350	295
<b>MEGA L-SERIES</b> VSI Feed Size up to 45 mm Rotor RPM 1000-1800 Weight 14,450 kgs (apprx)	L-370	370	Dual	370	405	335
	L-440	440	Dual	440	475	395
	L-600	600	Dual	600	675	590

Capacities shown in the table are indicative and can change due to material characteristics, moisture, operator efficiency, power parameters, wear etc.

# HPGR - ROLLER CRUSHER

For fine crushing, Shaping & Manufactured sand.

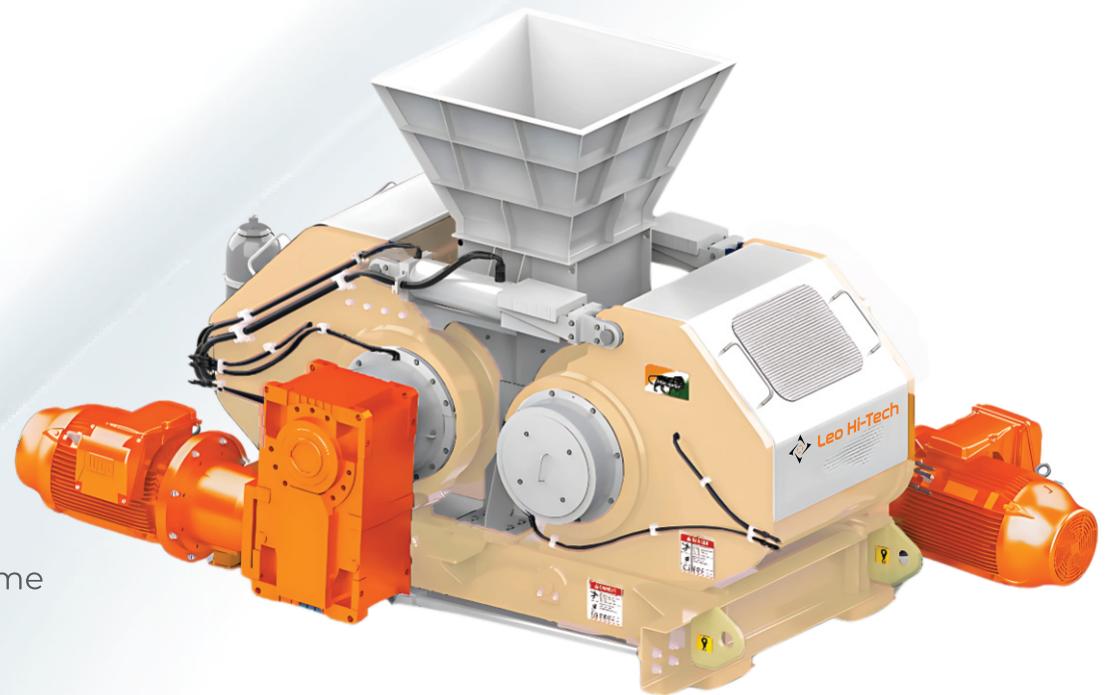
Leo Hi-Tech Roll Crushers are specifically designed on High Pressure Grinding Rollers (HPGR) technology to meet the needs of tertiary/quaternary fine crushing applications - be it to produce concrete / asphalt fine aggregates or high quality Manufactured Sand (m-sand) or Plaster Sand (p-sand) irrespective of hardness of rocks.

## Benefits

- Maximizes fine crushing, thus m-sand production
- Easily crushes hard rock
- Less recirculation load
- Very high reduction ratio
- Lowest gap setting for any type of crushers
- Sustainable setting
- Grease lubrication
- Accumulator to relieve sudden jerk loads
- Easy replacement of rollers at site

## Features

- **Wear resistant** manganese steel rolls
- **Counter rotating rolls**
- **Hydraulic gap setting** adjustment for quick up me
- **Stress relieved** fabrication
- **In-built distribution hopper**
- **Geared motor drive**



Model number	Width	Feed Size*	Weight	Power^	Diameter	Capacity^	Drive	Gap Adjustment
HPGR 5	500 mm	45 mm	18.5 mt	264 Kw	800 mm	90-125 TPH	2 x Geared Motors	Hydraulic

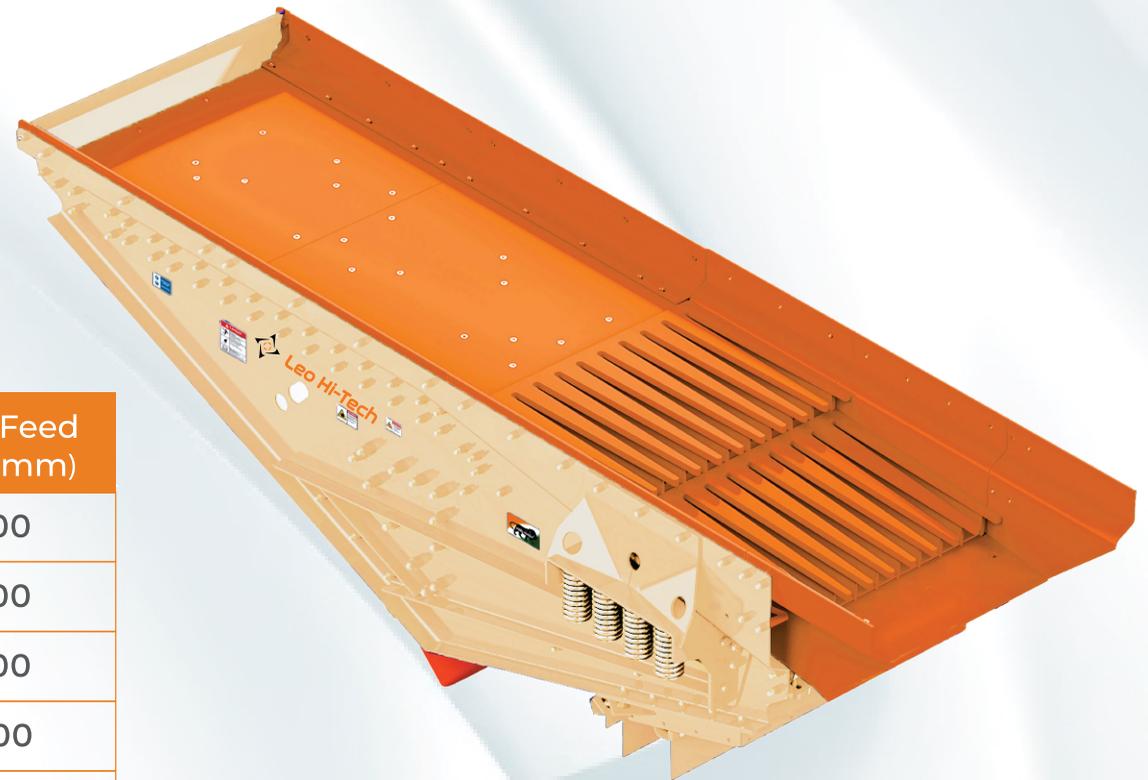
# GRIZZLY FEEDER

For scalping & control feeding the Primary / Secondary Stage

- **Wide range** of applications including aggregates, ores, gravel, boulders, recycle feed and industrial minerals
- **Custom footprints** to fit existing feeders (in retrofit applications)
- **Durable feeders**
- **Variety of models** available to accommodate specific application.

## Features

- **Capacity:** Upto 750 tph
- **Feed size:** Upto 1300 mm
- **Width:** Upto 1.75m
- **Length:** Upto 8.5m
- **Drive types:** vibro motors, mechanism geared motor.



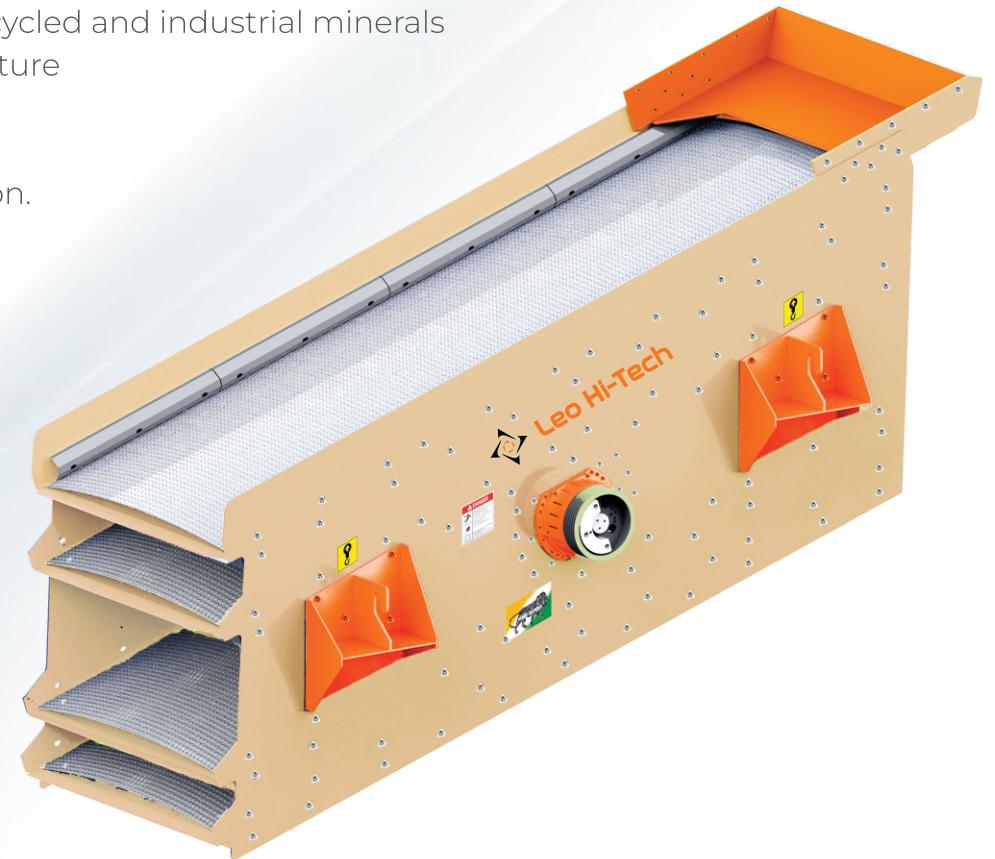
Model	Width	Length	Power	MAX Feed Size (mm)
LGF 1142-2S	1100	4200	8	700
LGF 1148-2S	1100	4800	12	700
LGF 44-2S	1300	4900	15	700
LGF 561-2S	1300	6100	30	900
LGF 661-2S	1600	6100	8	1200
LGF 1142-2S	2000	6600	55	1500

# CIRCULAR MOTION SCREENS

Screening hard rocks/ores. for scalping, separation & fine screening

- Wide range of applications including gravel, crushed stone, recycled and industrial minerals
- Custom footprints are available to fit your existing screen structure
- Durable screen with scalping, sizing or finishing capabilities
- Spray systems and wash kit options
- Variety of models available to accommodate specific application.

Model	Screen Size (mm)	Decks	Power (kw)	Weight (kg)	Capacity (TPH)
CMS 1530-I	1500 x 3000	1	11	1300	125
CMS 1540-I	1500 x 4000	1	11	1400	150
CMS 1540-II	1500 x 4000	2	15	3150	225
CMS 1540-III	1500 x 4000	3	15	4050	225
CMS 1540-IV	1500 x 4000	4	15	5000	225
CMS 1850-II	1800 x 5000	2	15	4200	325
CMS 1850-III	1800 x 5000	3	15	5200	325
CMS 1850-IV	1800 x 5000	4	22	6800	325
CMS 2060-II	2000 x 6000	2	22	6500	425
CMS 2060-III	2000 x 6000	3	22	8500	425
CMS 2060-IV	2000 x 6000	4	30	10400	425
CMS 2461-II	2400 x 6100	2	30	8400	525
CMS 2461-III	2400 x 6100	3	30	10500	525
CMS 2461I-V	2400 x 6100	4	40	13000	525



## Features

- **Capacity:** Upto 750 tph
- **Feed size:** Upto 300 mm
- **Width:** Upto 2.6 m
- **Length:** Upto 8.5 m

# HIGH FREQUENCY SCREEN (HFS)

## For removal of Ultrafines from Sand

- Wide range of applications including crushed sand, natural sand with high ultrafines / clay content
- Heavy duty double/ triple deck high frequency screen
- Adjustable angle
- Noise less simple vibro / optional hydraulic motor drive
- 3500 rpm (std) / 4500 rpm (optional hydraulic drive)
- Heavy duty, adjustable stroke unbalanced mass motors (in std op on)
- End tensioned stainless steel/carbon steel wire meshes
- Suitable to process either m-sand or, p-sand
- Independent rotary screen tensioners per deck

### Features

- Modular Construction
- Noise-free
- Feed Spread chute (optional)
- Simple but efficient operation
- Easy to use wire mesh securing design
- Access catwalk & ladders
- Discharge side hangs on chains - for quick



Model	Width	Length	Max Feed Size	Weight (Kg)	Drive
HFS 5518	1850 mm	5500 mm	5~10 mm	11,000	Electrical (std) Hydraulic (opt)

# HYDRO CYCLONE

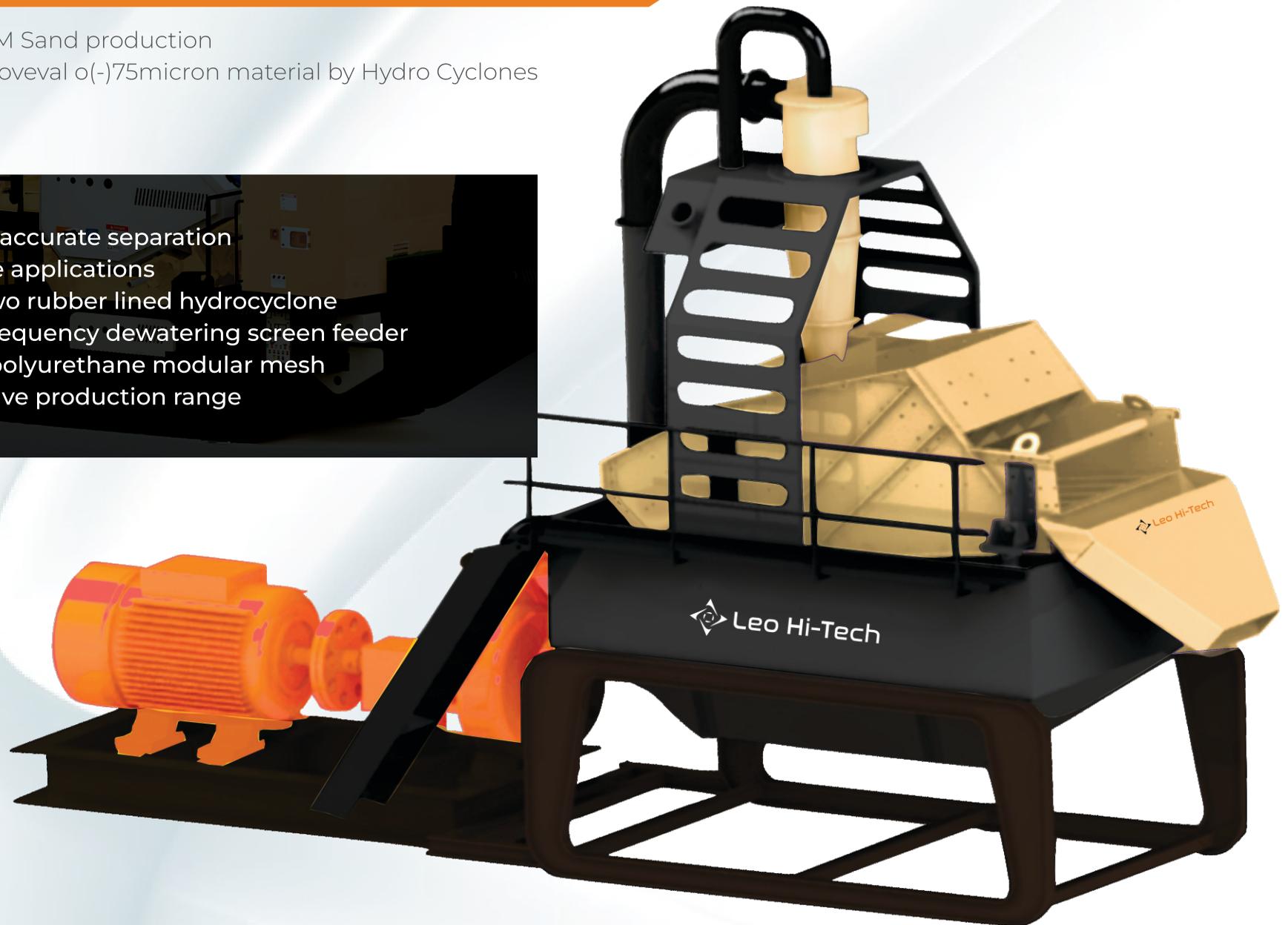
For Screening & Washing Solution

For clean P & M Sand production

· Efficient removal of (-)75micron material by Hydro Cyclones

## Features

- Highly accurate separation
- Diverse applications
- One Two rubber lined hydrocyclone
- High frequency dewatering screen feeder with polyurethane modular mesh
- Extensive production range



Model	LWS-50	LWS-75	LWS-100	LWS-150	LWS-200	LWS-250
Capacity	35-50 TPH	50-75 TPH	75-100 TPH	125-150 TPH	175-200 TPH	225-250 TPH
Pump	4"/3"	6"/4"	6"/4"	8"/6"	6"/4" X 2 nos	8"/6" X 2 nos
Flow Rate	98m <sup>3</sup>	134m <sup>3</sup>	134m <sup>3</sup>	170m <sup>3</sup>	134m <sup>3</sup>	170m <sup>3</sup>
Motor	20HP	25HP	40HP	50HP	40HP X 2 nos	60HP X 2 nos
Hydrocyclone	325mm	400mm	500mm	400mm X 2 nos	500mm X 2 nos	500mm X 2 nos
Screen Size	900 X 2400	1200 X 2400	1800 X 2400	1800 X 2700	1800 X 3000	1800 X 3000
V. Motor	2 X 2HP	2 X 3HP	2 X 5HP	2 X 5HP	2 X 7.5HP	2 X 7.5HP

Capacities shown in the table are indicative and can change due to material characteristics, moisture, operator efficiency, power parameters, wear etc.

# NOTES

A series of horizontal dotted lines for taking notes.

# OUR GLOBAL PRESENCE



📍 **NORTH AFRICA**

📍 **BANGLADESH**

📍 **SRI LANKA**

📍 **BHUTAN**

📍 **NEPAL**

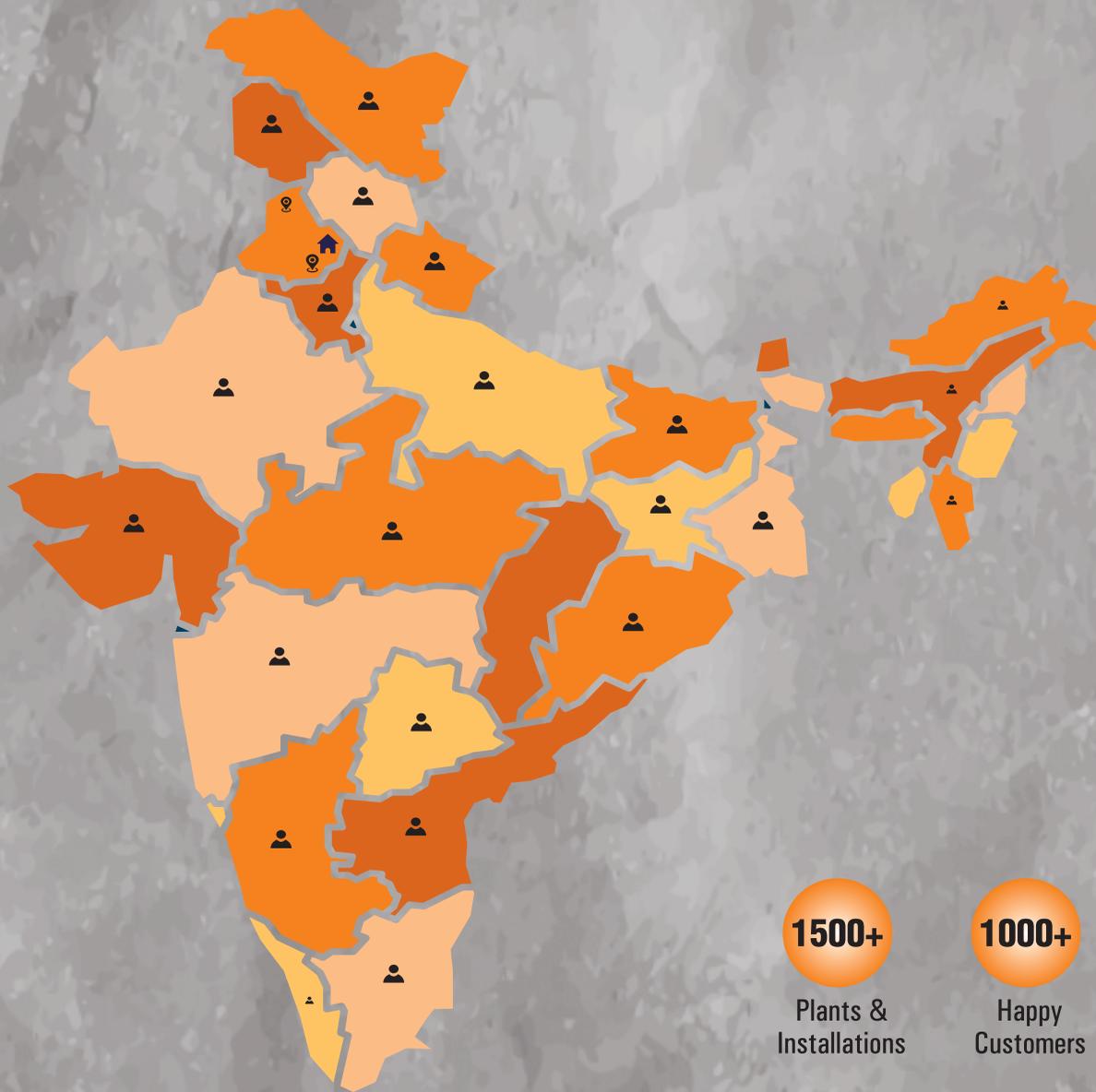
📍 **SOUTH AFRICA**

📍 **MALDIVES**

📍 **KENYA**

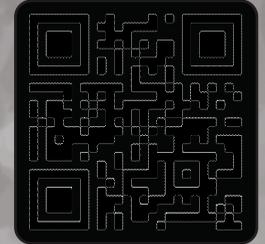
📍 **OMAN**

📍 **USA**



## Our Presence

-  Unit I, II
-  Sales Representative
-  Head Office



**1500+**

Plants & Installations

**1000+**

Happy Customers

**35+**

Product Range

**10+**

Countries World Wide

# LEO HI-TECH MANUFACTURING CO.



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Ropar-140114 (PB.)  
INDIA

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