

Engineered for Tomorrow





About TKIL Industries Pvt. Ltd.

TKIL Industries Pvt. Ltd. (TKIL) is a engineering company specializing in businesses ranging from Mining, Energy, Sugar, Cement Plant and Machinery and Services having two state of the art manufacturing facilities at Pune and Hyderabad. Having our own technology and manufacturing facilities ensures better control on quality. This combined with our experience over years in design, manufacturing, procurement, project and site management ensures that we exceed the expectations of the customers and ensure customer satisfaction.

Mineral and Aggregate Crushing Systems (MACS) is a part of Mining Business where our customers are at the core of our business. Quality, Innovation and Engineering know-how has helped us make our mark in the industry.

TKIL MACS stands for:

- **Robust and Heavy Duty Design** for all types of applications
- **Reliable and Premium Quality Products** which are long lasting
- **Cutting Edge Technology** for best in class productivity and low cost of production
- **Customer First Approach** for best in class customer support



SINGLE TOGGLE JAW CRUSHER

For Primary Crushing of
Hard Rocks & Mineral Ores



STANDARD SPECIFICATIONS

Model	Feed Opening		Max Feed size-mm	Speed RPM	Motor KW	CSS Range-mm	Capacity TPH
	Inch	mm					
PST 9060	36x24	915x610	500	275	75	60-150	80-200
PST 1108	44x32	1115x810	650	230	110	75-200	130-400
PST 1209	50x38	1270x950	800	200	160	100-250	190-660

Capacities based on a bulk density of 1.6 t/cu.m of hard rocks; will vary with material characteristics and application.
For Final selection kindly be in touch with TKIL.



Large Fly wheel: Optimum power consumption



Reversible Jaw Plates with application specific material of construction for better wear life



Application specific jaw plate profiles for better efficiency



Optimized nip angle for better performance



ROLLER BEARING CONE CRUSHER

For Secondary and Tertiary Crushing of Hard Rocks and Mineral Ores



CRUSHER THROUGHPUT CAPACITY (RBC 4000)

FEED OPENING (mm)	SPEED (gpm)	STROKE (mm)	POWER (kW)	THROUGHPUT (metric tons per hour)							
				CLOSED SIDE SETTING (CSS) - mm							
				12	16	19	25	28	32	35	40
75 (fine)	280	18 22 24	200	100-175	160-170 170-180 180-200	200-220 220-240					
110 (medium)	280	18 22 24	200		170-180 180-190 190-210	180-190 200-210 210-220	200-210 210-220 220-225				
150 (Coarse)	280	18 22 24	200			200-210 210-220 220-230	220-230 230-240 240-250	230-240 240-250 250-260			
270 (Extra coarse)	280	18 22 24	200				210-225 240-250 290-300	220-230 250-265 300-325	230-250 270-290 325-350	200-275 300-320 350-375	280-305 325-350 375-425

CRUSHER THROUGHPUT CAPACITY (RBC 3000)

FEED OPENING (mm)	SPEED (gpm)	STROKE (mm)	POWER (KW)	THROUGHPUT (metric tons per hour)						
				CLOSED SIDE SETTING (CSS) - mm						
				12	16	19	22	25	28	32
75 (Fine)	315	19 22 25	90 110 132	70-75	80-85 85-90 90-100	95-100 105-110				
110 (Medium)	315	19 22 25	90 110 132		95-100 100-105 105-110	100-110 110-115 115-125	125-135			
150 (Coarse)	315	19 22 25	90 110 132		110-115	120-130 130-140 140-150	130-140 140-150 150-160	140-150 150-160 160-170		
190 (Extra coarse)	315	19 22 25	90 110 132			130-140	135-145 145-155 155-165	145-155 155-165 165-175	150-160 160-170 175-185	160-170 170-185 185-200

Capacities based on a bulk density of 1.6 t/cu.m of hard rocks; will vary with material characteristics and application. For Final selection kindly be in touch with TKIL.



Wide range of feed openings for different applications



Optimized design for lower power consumption



Advance hydraulic system for crushing operations



Bearing design crushers for durability, longevity and minimum production cost



Option for rotary feeder for better-feed distribution






Operation and maintenance friendly machine



GYRATORY CONE CRUSHER

Suitable for Secondary
Crushing of Hard Rocks
& Mineral Ores



-  Engineered for larger feed and higher capacity
-  Well defined gyro-crushing action
-  Heavy and sturdy Construction
-  Simple operation & Maintenance

CRUSHER THROUGHPUT CAPACITY





FEED OPENING (mm)	SPEED (gpm)	STROKE (mm)	POWER (kW)	THROUGHPUT (metric tons per hour)						
				CLOSED SIDE SETTING (CSS) - mm						
				30	34	38	42	46	50	55
250-350	290	25	110-132	190-215	210-240	230-260	250-280	265-300	290-310	305-330

Capacities shown are when the cone is installed in an open circuit and indicative only, based on a dry bulk density of 1600 kg/cu m of crushed stone; they vary with feed material characteristics, feed gradation and percentage of fraction below CSS in the feed.

VERTICAL SHAFT IMPACTOR

Suitable for Producing Concrete
Aggregates, Manufacturing
Sand, Road Base Materials,
Fine Particles



-  Easy portability and quick installation with minimum support structures.
-  Rock-on-Rock technology minimizes wearing of parts, hence minimum operating and wear costs.
-  Excellent cubicle shape product with very high acceptance in market
-  Retro-fit for conversion to Rock-on-Steel for less abrasive rocks.

STANDARD SPECIFICATIONS

Model No.	2503	3003	3503	4003	4503	5003
Max. Size of Feed (mm)	25	40	40	40	40	40
Rotor Size	600	760	900	1000	1000DR	1200
Power (kW)	45 - 55	90 - 110	132 - 200	250 - 370	370 - 450	500-800
Capacity (tph)	40 - 50	75 - 110	120 - 200	200 - 350	320 - 550	550 - 800

Figures given vary with applications. For final selection, refer your requirements to us. The machine is under continuous development. The parameters are subject to vary. For drives more than 250kW, twin drive is recommended.

VIBRATING SCREENS

Suitable for Separation of
Aggregates, Mineral Ores,
Coal, Coal, Coke, Powder
& Granules



Compact and robust
design



Powerful circular
motion with high
Screening efficiency



Wide range of models
to cater different
applications and
throughputs



Easy maintenance and
operation

STANDARD SPECIFICATIONS

Model	Screen Size-mm		Surface Area (m ²)	Screening Drive Motor - kW		
	Width	Length		2 Deck	3 Deck	4 Deck
MF-1548	1500	4800	7.2	15	18.5	
MF-1848	1800	4800	8.6	18.5	22	30
MF-2148	2100	4800	10.1	22	30	
MF-2160	2100	6000	12.6	22	30	
MF-2460	2400	6000	14.4	30	37	

For other sizes and special applications, contact for details. Additional models of heavy duty available as per request
Installation dimensions furnished on request.

VIBRATING GRIZZLY FEEDERS

Twin Vibrator TVG Models
for Feeding Blasted Rock
and ROM Mineral



Robust and sturdy
design to handle the
ROQ



Linear motion with
variable frequency drive
to adjust variations in
the feed



Maintenance friendly



Best in class for
scalping and feeding

STANDARD SPECIFICATIONS

Model	Feeder Size-mm		Drive Motor kW	Capacity Range TPH	Max. Feed Size mm
	Width	Length			
TVG 830	800	3000	9.3-15	up to 150	450
TVG 1039	1000	3900	15-22	90-300	650
TVG 1245	1200	4500	22-30	200-450	850
TVG 1350	1300	5000	30-37	350 - 650	1000
TVG 1560	1500	6000	37-45	500-800	1200

Capacities based on bulk density of 1.6 t/m³ of hard stone. For other sizes and special applications, contact for details. Installation dimensions furnished on request.

SPIRAL SCREW CLASSIFIER

For Washing Classification
Dewatering



Simple and conventional design for sand classification



Low water requirement



Good quality sand output



Very low power and low wear components required



STANDARD SPECIFICATIONS

Model	Dia x Length (mm)	Speed (rpm)	Pool Area (Sq.m)	Max. Over Flow (cu.m/min)			Rake-up capacity (tph)		Motor Output (kw)	
				Classifying size (mm)			Spiral Pitch		Single	Double
				0.3	0.15	0.075	Single	Double		
NSC600	600 x 5000	17.0	2.6	1.21	0.61	0.28	12.0	24.0	2.2	3.7
NSC900	900 x 6500	12.0	6.1	3.06	1.53	0.70	28.6	57.2	3.7	5.5
NSC1200	1200 x 8500	8.5	10.0	5.76	2.88	1.33	48.0	96.0	5.5	9.3
NSC1500	1500 x 9500	7.0	16.8	9.32	4.66	2.14	70.0	140.0	7.5	11.0
NSC1800	1800 x 10000	5.5	21.0	14.00	7.00	3.22	105.0	210.0	11.0	18.5
NSC2100	2100 x 11000	5.0	25.0	20.00	10.00	4.60	152.0	304.0	15.0	22.0

Note: 1. Motor output indicated is based on 2.7 sp.gr. of feed material with double spiral ribbon & tank inclination of 16 deg. 2. Tank shall be of 'Sub Merged Type' for 100-325 mesh separation & 'High-Wear Type' for separating 20-100 mesh. 3. Indicated tank lengths may be varied according to operating condition. 4. Other sizes available on request. 5. Installation data on request





TKIL Industries Pvt. Ltd.

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