



"Rock Revolution by Rocktech"

An ISO 9001:2015 Certified Company









Rocktech Engineers is a Asia-leading industrial company offering equipments and services for the sustainable processing and flow of natural resources in the mining, aggregates, recycling and process industries. With our unique knowledge and innovative solutions, we help our customers to improve their operational efficiency, reduce risks and increase profitability. we feel pleasure in introducing ourselves as leading manufacturers of all type of stone crusher, like Jaw Crusher, Cone Crusher, VSI, HSI, ECO Friendly Sand Plant, Vibrating Screens, Vibrating Feeders, Vibrating Grizzly Feeders, Elevators, Conveyors, Hopper, Vibro Feeders, Dust Collectors, crushing plant and Turnkey basis projects.

We have been an established company with three manufacturing unit and have an excellent track record of customer satisfaction through our perseverance work and efforts in maintaining the quality of product. We believe in keeping our customers happy by providing them the product they demand at a very competitive price.

We never compromise in the quality of the product and provide best services as we believe that your progress in after our success.







Factory

Unit: 01 ROCKTECH ENGINEERS

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Unit: 02 ROCKTECH ENGINEERS

Sy. No. 210, Jamghar, Near Bharat Gas Godown, Shirishpada-Khanivali Road, Tal. Wada, Dist. Palghar, Maharashtra-421303 Ph: +91-9890758562 rocktechengineers@rediffmail.com





ROCKTECH JAW CRUSHER



"Rock Revolution by Rocktech"



RT JAW CRUSHER

RT Jaw crushers are designed to operate in most rugged environment and need less maintenance for all types of rocks, mineral ores. These single toggle jaw crushers are designed with an downward facing toggle system, which guarantees a high efficient production rate at every setting. These crushers are designed for exceptionally heavy duty and continuous operations and are well suited for stationary and mobile applications.



BENEFITS AND FEATURES

Designed for effective crushing for bigger feed sizes with large crushing ratio to give optimum product shape, Longer life for jaw plates and other components, Due to built-in features like no jerks, rubbing action and Hydraulic adjustment of CSS Relatively simpler and smaller design hence can save on foundations, components and service Costs. Grease lubricated self-aligning double row roller bearing Lubrication free toggle and toggle seat with minimum friction, Large crushing chamber, longer stroke and high crushing speed.

Madal	Feed Opening	Max. Feed		с	SS (mm) a	and Throu	oughput Capacity (TPH)				Power	RPM
Model Size (mm)	mm) Size (mm)	75	100	125	150	175	200	225	250	(kW)	NF IVI	
RTJ50	900 X 750	650	75-85	85-125	125-150	150-180					75	275
RTJ60	1100 X 750	650	105-170	155- 230	180-275	210-315	245-360	285-460			110	250
RTJ70	1150X850	750		165- 240	200-305	230-385	265-405	310-495	340-515		135	235
RTJ80	1250X900	800		190- 285	235-345	265-405	295-445	340-540	370-560	400-585	150	225

TECHNICAL SPECIFICATION

NOTE: Due to the difference of rocks and the size percentage, distribution and the practical capacity will be different.





















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ROCKTECH VERTICAL SHAFT IMPACT CRUSHER



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RT Vertical shaft Impact Crusher Series has two crushing chambers Model A- "rock against anvil" Model B -"rock against rock" Model A chamber is mainly used for low abrasive rock. Model B chamber used for higher abrasive rock. Both Model A & B can be interchangeable.

VS Series impact crusher is widely used for aggregate shaping and sand manufacturing. VSI is also the ideal replacement of traditional compressive crusher in metal mining for fines production or it could be also used for pre-grinding in cement production.

TECHNICAL SPECIFICATION

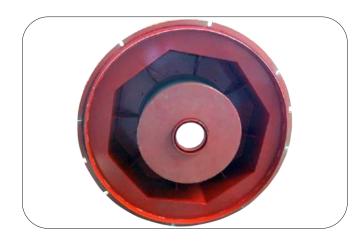
Model	Max. Feed Size (mm)	Rotor Speed RPM	Power (kW)	Weight (Kg)
RTVS-R100	18	1500-2000	37-55	5500
RTVS-R200	35	1500-1800	75-160	7000
RTVS-R300	45	1500-1700	200-315	11000

Capacity (TPH)

Model	Power		Capaci	ty (Metric TP	'H)as per VS	Rotor Spee	d (m/s)	
woder	(Kw)	45	50	55	60	65	70	75
	37	35	30	27	24	21	17	14
RTVS-R100	45	43	39	34	30	28	25	21
	55	53	48	43	39	35	30	26
	75	69	56	50	44	38	32	28
	90	114	104	93	80	69	55	45
RTVS-R200	110	145	125	110	96	85	75	65
	132	163	144	125	113	103	90	80
	160	200	175	150	131	113	95	85
	200	270	238	204	181	156	130	115
RTVS-R300	250	344	306	263	231	200	165	139
	315	435	381	338	288	241	200	165

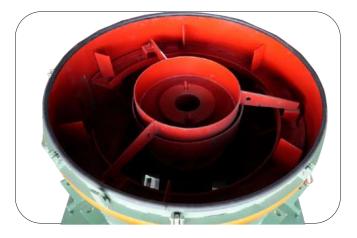
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Feeding Design for rock on rock and rock on anvil Chamber Meet various requirement of Sand Making, quarry shaping and powder making etc. with less operation cost, less wearing and higher efficiency.

Spider assembly helps to safe rotor wear tear directly from outside.





Deep chamber type rotor design perfect balance, high throughput, less wearing better versatility, easy replacement.

The size of feeding mouth can be designed to keep choke feeding and material will not hit the rotor directly. The feeding always centers at the rotor centre to avoid abnormal, vibration caused by uneven feeding.







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ROCKTECH VIBRO PAN FEEDER

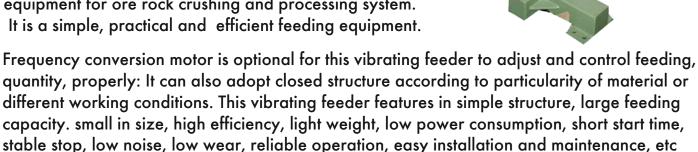


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RT VIBRATING FEEDER

RT Series motor vibration feeder is a kind of chute feeder that equips vibration motor as vibration source. It mainly used for even, continuous, quantitative feeding of loose, lumpy material, granular material and powder from material stock to related equipment. The feeder is widely used in mining, metallurgy, coal materials, chemicals, construction and Other industries, as well as auxiliary equipment for ore rock crushing and processing system. It is a simple, practical and efficient feeding equipment.









Model	Pan Size (mm)	Max. Feed Size (mm)	Capacity (TPH)	Power (kW)	Overall Dimension LXBXH (mm)
RTF-612	600x1200	100	25-125	5	1350x1000x820
RTF-715	700x1500	150	50-150	5	1550x1100x880
RTF-815	800x1500	200	50-150	5	1550x1200x920
RTF-825	800x2500	250	50-200	7.5	2700x1200x1050
RTF-1015	1000x1500	200	50-150	5	1550x1400x1100

TECHNICAL SPECIFICATION

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ROCKTECH GRIZZLY FEEDER



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RT GRIZZLY

RT Grizzly are heavy-duty machines and Large lumps are scaled into the crusher the maximum lump sizes can range up to 6" cubes fines pass through the grizzlies, relieving the crusher and reducing wear.



TECHNICAL SPECIFICATION



Vibration is generated by precision-machined, twin unbalanced motor. The vibrating drive assembly is connected directly to the pan to assure positive action under the most adverse loading conditions.

Model	Pan Size (mm)	Max. Feed Size (mm)	Capacity (TPH)	Power (Kw)	Overall Dimension LXBXH (mm)
RTF-1030	1000x3000	500	80-250	7.5	3200x1450x1500
RTF-1040	1000x4000	600	100-250	10	4100x1550x1800
RTF-1240	1250x43000	600	100-250	15	4400x1800x1800
RTF-1550	1500x5000	750	150-350	20	5100x2000x2100

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ROCKTECH VIBRATING SCREEN



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RT VIBRATING SCREEN

We offer a wide range of screens for our customers. The RT screens are capable to serve in a variety of applications according to our customer requirements and application areas. The RT screens are all inclined screens that have been showing effective stratification than other screens in different application areas. The RT screens have a simple, rugged and compact design. This type of design makes The RT screens suitable for any conditions.

The RT screens are designed inclined due to proven effectiveness of its structure. The RT screens are available in different decks mainly 2, 3 and 4 decks. Application has shown that up to 4 decks yield good quality products.







	Size		Mesh Size	Feed Size	Capacity	Power	Speed
Model	(feet)	Deck	(mm)	(mm)	(TPH)	(kW)	(RPM)
RTS-84	8'x 4'	2/3	3-50	<150	10-50	5.5	800-1000
RTS-104	10'x4'	2/3	3-50	<150	15-75	7.5	800-1000
RTS-124	12'x4'	2/3	5-50	<200	20-90	7.5	800-1000
RTS-125	12'x5'	2/3	5-60	<200	25-100	7.5	800-1000
RTS-145	14′x5′	2/3	5-80	<300	50-150	11	800-1000
RTS-165	16'x5'	2/3/4	5-80	<400	50-200	11	800-1000
RTS-185	18'x5'	2/3/4	5-100	<400	100-250	15	800-1000
RTS-205	20'x5'	2/3/4	5-100	<400	100-300	18.5	700-900
RTS-206	20'x6'	2/3	5-100	<400	100-300	22	700-900

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ROCKTECH CONE CRUSHER



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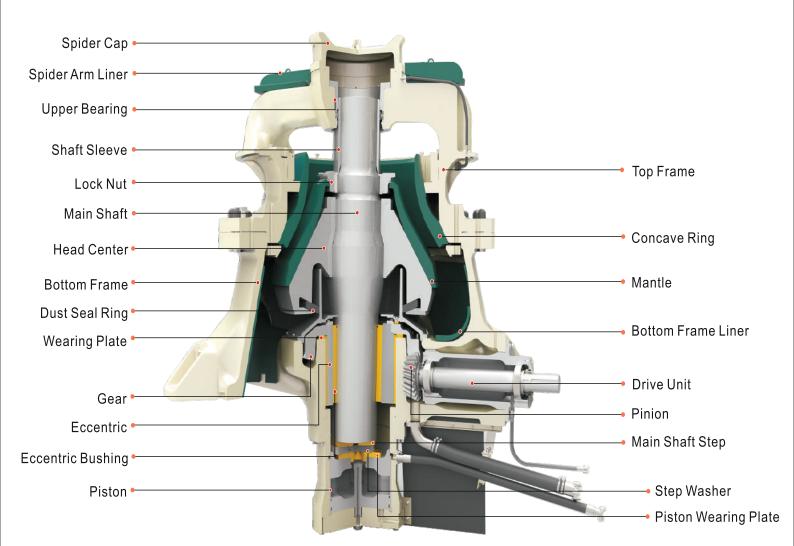


RTCC SERIES SINGLE CYLINDER HYDRAULIC CONE CRUSHER

GENERAL INTRODUCTION

RTCC series single-cylinder cone crusher developed and manufactured by our company is currently the most advanced cone crusher in whole India. It aims at the high end market and is integrated with the advanced mechanical, electrical and hydraulic technologies as a whole, which achieves the perfect crushing efficiency. Rocktech cone crusher features in robust casting steel frame, forged alloy main shaft, and high accurate arc gear transmission system. Combined with one suitable crushing chamber from all optional and automatic control system, The Rocktech cone crusher could fully play its performance and advantages. It is widely used for the fine and coarse crushing of various kind of stones and minerals, which features in high crushing efficiency, and could meets different crushing requirement for our clients.

STRUCTURE





PRODUCT FEATURES

High Production Efficiency

Scientifically design of crushing chamber, large eccentricity, high swing frequency, lamination crushing and hydraulic controlled constant crushing force ensures more stable operation, bigger passing capacity, higher production efficiency and better products shape, as well as Reducing the power consumption to the least.

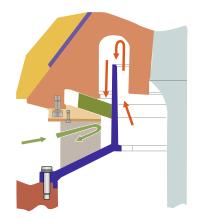
High Automation

Automatic control system can realize the functions of overload protection, tramp iron protection, discharge opening adjustment, chamber cleaning, as well as monitor oil temperature, pressure and flow, machine loading. Discharge opening size, etc. so as to ensure the stable running of the machine.



High Load Capacity

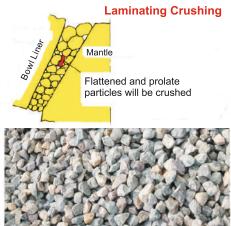
Enhanced main frame, main shaft adopting freely supported Beam structure, hydrodynamic lubrication designed copper sleeve, as well as sensitive and reliable overload protection system ensures the long and smooth running of the machine even in extremely harsh working condition.



Positive pressure anti-dust system

Wide Adaptability

Rocktech cone crusher has two types: course crushing and fine crushing. Each type has various kinds of optional crushing chambers. By adjusting the eccentricity, it could adapt to different processing flow and working condition By adjusting the rotational speed of transmission shaft, it could adjust the grading of finished products, so as to maximum the machine's value.





Low Running Noise and Vibration

High accuracy of arc gear transmission structure features in Lower running noise, higher transmission efficiency and durable in use. Lower vibration of main machine and flexible supporting with overall steel frame minimize the vibration to the least, so as to reduce the cost of foundation.

Lower Installation Cost

The overall steel base frame makes the installation more easy and time-saving to reduce the cost.



Lower Operation Cost

Special designed crushing chamber, mantle, concave ring and material ensures higher utilization ratio and durable of liners, lower operation cost and minimized downtime. The positive pressure anti-dust system equipped on the machine ensures the clean of lubrication system. No extra grease seal and labour maintenance needed during operation. Most parts can be assembled and disassembled on the upper and lateral side, which makes the machine maintenance more labour - saving and time-saving.

TECHNICAL SPECIFICATION

Model	Ecc (mm)	Feeding Opening Size mm		Power (kW)	CSS (mm) / Throughput Capacity (TPH)					
		С	MC		25mm	30mm	35mm	40mm	45mm	
RTCC-100	20	250		00	115-125	140-150	155-175	165-195	180-210	
	25	250		90		180-190	195-215	205-225		
DTCC D200	25			160		165-215	185-235	205-255	225-275	
RTCC-R200	32		330				225-275	265-315	275-345	
DTCC D200	32		200				350-390	370-410	390-430	
RTCC-R300	40		380	250				440-490	470-520	

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ROCKTECH HYDRO CYCLONE



"Rock Revolution by Rocktech"



RT HYDRO CYCLONE

Hydro cyclone series washing equipment with dewatering machine is a tertiary stage machine in a stone crusher plant where input to the machine is fed from vibrating screen.

Rocktech hydro cyclone series is a combination of mainly hydro cyclone and dewatering unit. This machine is driven by foot mounted electric motor connected to a slurry pump via belt and pulley, which pumps slurry mixture from tub to hydro cyclone. The pump is connected to hydro cyclone by discharge spool via rubber hose which is highly wear resistance combined with flexibility and vibration reductions.



The cyclone entrance is designed in such a way to allow the incoming feed to help generate and not interfere with the spiral path that the ore must take inside the cyclone. The centrifugal force that is generated by this spin, forces the bigger particles outwards towards the wall of the cyclone. as such that the ground rock will become finer the closer that you get to the center of the cyclone. Coarse particles is discharged to dewatering screen through underflow of hydro cyclone via input chute. The washed sand output delivered to the dewatering unit from where final product of sand reaches the output chute.

TECHNICAL SPECIFICATION

	Water Required	Total Power	Capacity	Hydro Cyclone	Cyclone De Watering Screen		
Model	Cum/hr	(Kw)	(TPH)	Size Dia (mm)	Screening Size (mm)	RPM	Motor Power (kW)
RTHC-70	105	23.5	75	400	2400 L x 1200 W	1000	5
RTHC-120	180	35	120	400	2400 L x 1800 W	1000	5
RTHC-150	225	52	150	500	4000 L x 1800 W	1000	15
RTHC-200	225	55	220	500	4000 L x 2100 W	1000	18

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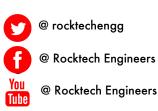
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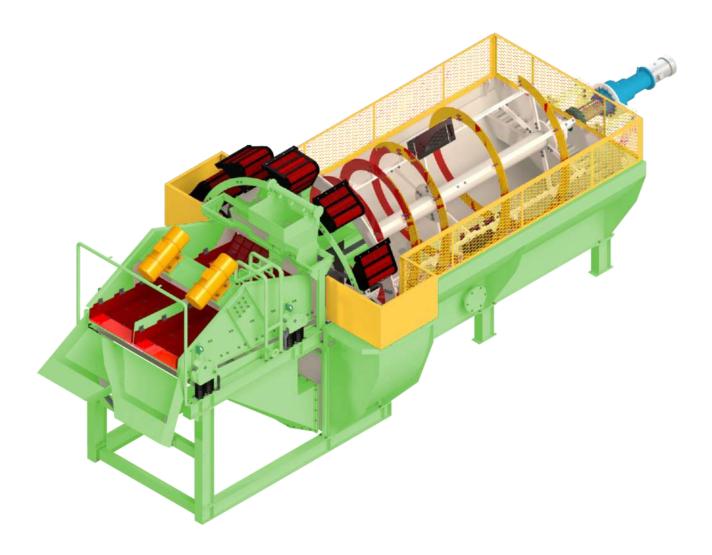
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ROCKTECH BUCKET DEWATERING CLASSIFIER



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The ROCKTECH Bucket Dewatering Classifier series washing classifier is an equipment which gives better quality product than any other washing equipment. Effective and slow washing increases product quality.

The RTBDC series washing classifier have three variants according to their capacities. Even though it is a slow washing process, the product



quality from dewatering screen gives best result. The slow running spirals with high capacity rotating buckets give improved productivity.

The RTBDC series washing classifier need less driving power for high productivity with minimum maintenance cost. Washing and dewatering gives best result than any other product screening. The preset period of settling time provide better quality products from The RTBDC series washing classifier.

The RTBDC series washing classifier is highly economical due to less power drives. High capacity gear box is used for speed reduction which makes a compact drive system. The dewatering screen drive is provided by two electric vibro motors that achieves high efficiency.

TECHNICAL SPECIFICATION

Model	Max. Feed	Drive Power	Rotation Speed	Unbalanced Motor	Capacity	Approx Weight
	Size (mm)	(kW)	RPM	Power (kW)	(TPH)	(kg)
RTBDC-80	< 8	5.5	3.29	2 x 1.5	80	8200
RTBDC-120	< 8	7.5	3.29	2 x 1.5	120	9500
RTBDC-160	< 8	11	3.32	2 x 1.5	160	12500

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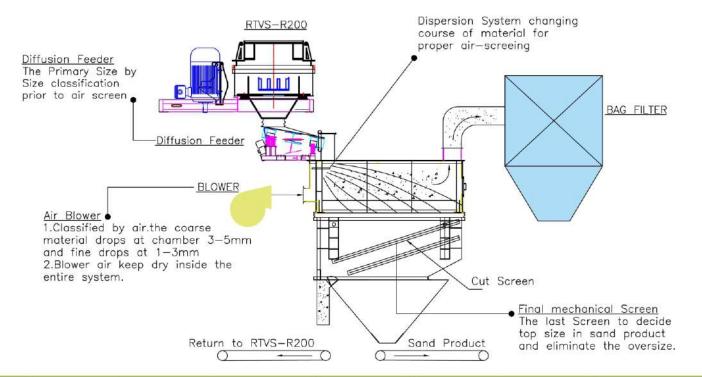


ROCKTECH ECO FRIENDLY SAND PLANT



"Rock Revolution by Rocktech"





Sr. No.	Sand Quality	Sand Made by Cone Crusher	Sand Made by VSI Machine	Sand Made by VSI + Screw Washed Sand	Sand Made by VSI + Classifier Washed Sand	Natural River Sand	Sand Made by Rocktech ECO-Sand Plant
1	Overall Grading	**	**	**	**	May Vary	★★★★ Precise Control
2	Cleanliness/ Ultra-fines Control	** Dusty	Dusty	**	***	****	**** Precise Control
3	FM (Fineness Modulus)	Very Coarse	Less Coarse	Very Coarse	**	May Vary	Precise Control
4	Shape	★ Very Flaky	★ Less Flaky	★ Less Flaky	*	*****	****
5	Process Chart	Cone	DRY VSI	VSI			

Sr. No.	Model	Power (kW)	Capacity (TPH)
1	RT-ECO-40C	240	40
2	RT-ECO-70C	380	70

Notes:

- The capacity is indicative for producing crushed sand to be used as a single sand component for aggregate and when materials having bulk density of 1.6 t/m3 are constantly supplied.
- Processing capacity varies subject to stone quality and size of the material.
- Consumed power to be lower depending on material properties.
- Moisture content of the feed materials is 2 % or less .





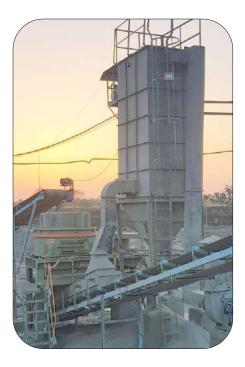
ADVANTAGES :

- Ideal Grain Shape and Size.
- Low Operating Cost.
- Controlled Fineness Modulus.
- Environment Friendly.
- Flexibility to produce desired Grade Sand.
- Controlled Moisture Content.















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