



# ROCKTECH

*“Quality and Reliability in Every crush “*

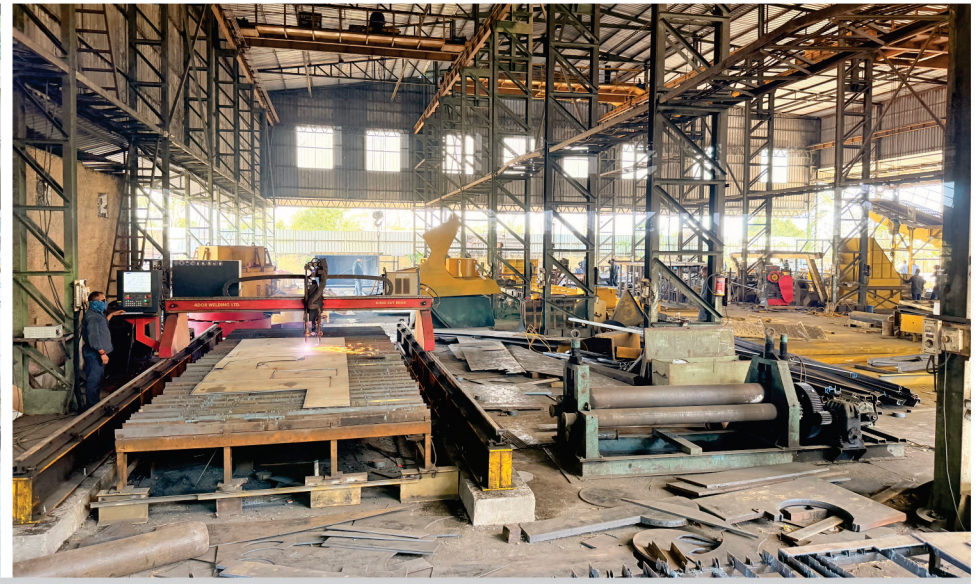


An ISO 9001:2015 Certified Company

**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES









**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, Cone Sander, 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 four 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.





## JAW CRUSHER

### RTJ SERIES

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.



### SALIENT FEATURES

- ▶ Non-Welded Design
- ▶ Robust Design
- ▶ High Efficiency & Lower Power Consumption
- ▶ Clamping Bar
- ▶ NIP Angle
- ▶ Self Tightening Jaw Plate
- ▶ Drive and V-belt Guard
- ▶ Pig Iron Casting Toggle Plate



## TECHNICAL SPECIFICATION

| Model   | Feed Opening | Max. Feed | CSS (mm) and Throughput Capacity (TPH) |         |         |         |         |         |         | Power | RPM |
|---------|--------------|-----------|----------------------------------------|---------|---------|---------|---------|---------|---------|-------|-----|
|         | Size (mm)    | Size (mm) | 75                                     | 90      | 110     | 125     | 140     | 175     | 225     | (kW)  |     |
| RTJ4028 | 900 X 600    | 550       | 100-120                                | 120-150 | 150-180 |         |         |         |         | 75    | 275 |
| RTJ4232 | 1050 X 700   | 700       |                                        | 150-175 | 175-220 | 220-250 | 250-300 |         |         | 110   | 275 |
| RTJ5634 | 1350 X 850   | 800       |                                        |         | 200-250 | 250-300 | 300-350 | 350-400 | 400-500 | 160   | 275 |

### 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.
- 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.

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



## 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.



### SALIENT FEATURES

- ▶ Floating shaft bearing cone crusher
- ▶ High load Capacity
- ▶ Safe to operate
- ▶ High production efficiency with big mantle
- ▶ Low running noise & vibration
- ▶ lower operation cost



## TECHNICAL SPECIFICATION

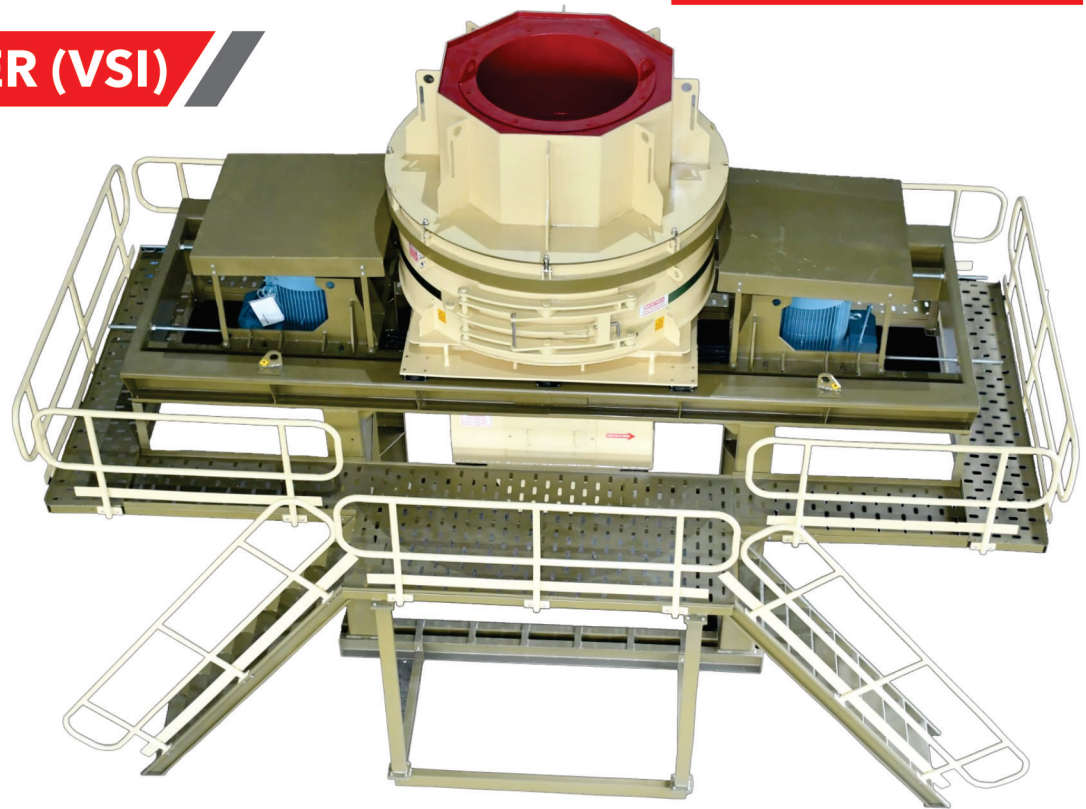
### COARSE CHAMBER

| SERIES           |            | RTCC-R100                       | RTCC-R160                       | RTCC-R200                       | RTCC-R250                       | RTCC-R350                       |
|------------------|------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Feed Opening     | mm         | 100                             | 150                             | 165                             | 250                             | 310                             |
| Feed Size (Max.) | mm         | 75                              | 140                             | 160                             | 225                             | 280                             |
| Capacity         | TPH        | 75-100                          | 100-200                         | 140-220                         | 160-300                         | 300-400                         |
| CSS Range        | mm         | 20-30                           | 25-34                           | 25-40                           | 26-40                           | 26-45                           |
| Mounting Type    |            | Skid                            | Skid                            | Skid                            | Skid                            | Skid                            |
| Design Type      |            | Bearing Type                    | Bearing Type                    | Bearing Type                    | Bearing Type                    | Bearing Type                    |
| Lubrication      |            | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        |
| Construction     |            | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting |
| Motor            | kw / (hp)  | 90/120                          | 135/180                         | 161.25/215                      | 187.5/250                       | 250-315/335-420                 |
| Weight           | kg / (Ton) | 6500/6.5                        | 10500/10.5                      | 13500/13.5                      | 16500/16.5                      | 24000/24                        |

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



## VERTICAL SHAFT IMPACT CRUSHER (VSI)



- ▶ 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                   |            | RTVS-R100                      | RTVS-R200                      | RTVS-R250                      | RTVS-R350                      |
|-------------------------|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Feed Size (Max.)        | mm         | 22                             | 32                             | 40                             | 50                             |
| Capacity                | TPH        | 75-120                         | 175-220                        | 200-300                        | 250-400                        |
| Rotor Diameter          | mm         | 650                            | 750                            | 850                            | 950                            |
| Rotor Speed             | (m/Sec.)   | 45-70                          | 45-70                          | 45-70                          | 45-75                          |
| Impact Cartridge Option |            | Rock-on-Rock/<br>Rock on Anvil | Rock-on-Rock/<br>Rock on Anvil | Rock-on-Rock/<br>Rock on Anvil | Rock-on-Rock/<br>Rock on Anvil |
| Rotor Port Option       |            | Three                          | Three                          | Three                          | Three                          |
| Lubrication             |            | Grease                         | Grease                         | Grease                         | Grease                         |
| Motor Power             | kw / (hp)  | 75-90<br>100-120               | 112.5-161.25<br>150-215        | 187.5-225<br>250-300           | 251.2-318.75<br>335-425        |
| Weight                  | kg / (Ton) | 7800/7.8                       | 9000/9                         | 11200/11.2                     | 13750/13.75                    |

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



## SANDER CONE



RT Sander Cone (or Sander Crusher) is a specialized fine cone crusher designed to produce high-quality fine aggregates and Manufactured Sand (M-Sand) by reducing rocks, stones, or secondary material into smaller sizes, often ranging from 40mm down to 5mm or smaller. These machines are highly efficient for secondary and tertiary crushing in construction and mineral projects



### SALIENT FEATURES

- Design : Often features a hydraulic support control system with a floating main shaft for quick adjustment.
- Operating Principle : Operates on the principle of compression crushing to produce high-quality, cubic-shaped sand.

## TECHNICAL SPECIFICATION

| MODEL         |            | RTSC-R100                       | RTSC-R160                       | RTSC-R200                       | RTSC-R250                       | RTSC-R350                       |
|---------------|------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Feed Size     | mm         | 30                              | 55                              | 65                              | 80                              | 90                              |
| Feed Opening  | mm         | 40                              | 70                              | 85                              | 95                              | 105                             |
| Capacity      | TPH        | 65-100                          | 100-160                         | 140-180                         | 160-250                         | 200-350                         |
| CSS Range     | mm         | 12-28                           | 12-28                           | 14-28                           | 14-30                           | 12-30                           |
| Mounting Type |            | Skid                            | Skid                            | Skid                            | Skid                            | Skid                            |
| Design Type   |            | Bearing Type                    | Bearing Type                    | Bearing Type                    | Bearing Type                    | Bearing Type                    |
| Lubrication   |            | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        | Pressurized Oil & Grease        |
| Construction  |            | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting | High Grade Carbon Steel Casting |
| Motor         | kw / (hp)  | 90/120                          | 135/180                         | 161.25/215                      | 187.5/250                       | 187.5 to 251.25/<br>250 to 335  |
| Weight        | kg / (Ton) | 6500/6.5                        | 10500/10.5                      | 13500/13.5                      | 16500/16.5                      | 24000/24                        |

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



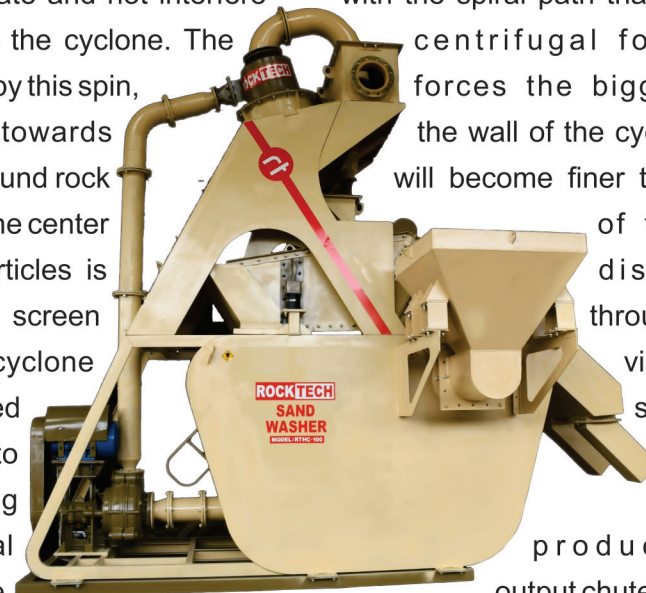
## HYDRO CYCLONE



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 through underflow of hydro cyclone via input chute. The washed sand output delivered to t h e dewatering unit from where final product of sand reaches the output chute.



## TECHNICAL SPECIFICATION

| MODEL                |                       | RTHC-100 | RTHC-150 | RTHC-200   | RTHC-250   |
|----------------------|-----------------------|----------|----------|------------|------------|
| Capacity             | TPH                   | 35-40    | 40-75    | 80-120     | 130-160    |
| Hydrocyclone Size    | mm                    | 400      | 500      | 600        | 500x2 nos  |
| Slurry Pump Size     | Inch                  | 6x4      | 6x4      | 8x6        | 8x6        |
| Slurry Pump Capacity | (m <sup>3</sup> /Hr.) | 150      | 200      | 250        | 350        |
| Slurry Pump Power    | kw / (hp)             | 22.5/30  | 30/40    | 37.5/50    | 45/60      |
| Pump Speed           | rpm                   | 850      | 850      | 850        | 850        |
| Weight               | kg / (Ton)            | 8500/8.5 | 9800/9.8 | 12500/12.5 | 14800/14.8 |

## DEWATERING SCREEN

|                     |           |           |             |           |           |
|---------------------|-----------|-----------|-------------|-----------|-----------|
| Screen Area (W x L) | m         | 1.2x2.5   | 1.3x3.7     | 1.5x4.2   | 2.5x4     |
| Capacity            | TPH       | 60-100    | 80-150      | 120-200   | 175-250   |
| Operating Angle     | Deg       | 0 to 2    | 0 to 2      | 0 to 2    | 0 to 2    |
| Motor Power         | kw / (hp) | 2x2.2/2x3 | 2x2.5/2.3.5 | 2x3.7/2x5 | 2x4.3/2x6 |
| Weight              | kg/ton    | 1500/1.5  | 2200/2.2    | 3400/3.4  | 4500/4.5  |

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



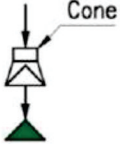
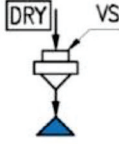
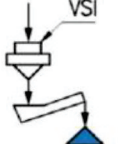
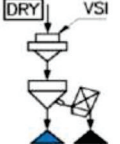
A large industrial sand processing plant with multiple conveyor belts and a central processing unit, situated in an outdoor area with trees in the background. The plant is constructed from metal and has a yellowish-brown color scheme. A red banner with the word "ROCKTECH" is visible in the top right corner. The plant is surrounded by a dirt area and some vegetation. A small red building is visible in the background. The sky is blue with some clouds.

**ROCKTECH**

**ECO FRIENDLY SAND PLANT**



## TECHNICAL SPECIFICATION

| 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                     |                                                                                    | ★★                                                                                 | ★★                                                                                   | ★★                                                                                   | ★★★★★<br>May Vary                                                                    | ★★★★★<br>Precise Control                                                             |
| 2       | Cleanliness/<br>Ultra-fines Control | Dusty                                                                              | ★<br>Dusty                                                                         | ★★                                                                                   | ★                                                                                    | ★★★★★                                                                                | ★★★★★<br>Precise Control                                                             |
| 3       | FM<br>(Fineness Modulus)            | ★<br>Very Coarse                                                                   | ★★<br>Less Coarse                                                                  | ★★<br>Very Coarse                                                                    | ★                                                                                    | ★★★★★<br>May Vary                                                                    | ★★★★★<br>Precise Control                                                             |
| 4       | Shape                               | ★<br>Very Flaky                                                                    | ★<br>Less Flaky                                                                    | ★<br>Less Flaky                                                                      | ★                                                                                    | ★★★★★                                                                                | ★★★★★                                                                                |
| 5       | Process Chart                       |  |  |  |  |  |  |

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

### Notes:

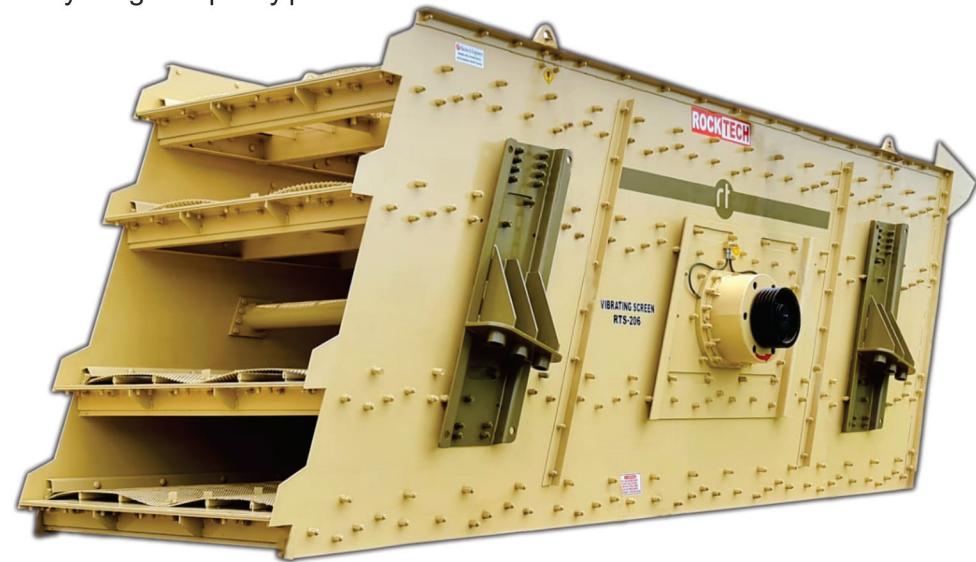
- The capacity is indicative for producing crushed sand to be used as a single sand component for aggregate and when materials having bulk density of 1.6 t/m<sup>3</sup> are constantly supplied.
- Processing capacity varies subject to stone quality and size of the material.
- Consumed power to be lower depending on material properties.
- Moisture content of the feed materials is 2 % or less .



## 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 incline 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.



## TECHNICAL SPECIFICATION

| MODEL             |            | RTVS-145                  | RTVS-165               | RTVS-185                 | RTVS-205               | RTVS-186                 | RTVS-206                   | RTVS-256                   |
|-------------------|------------|---------------------------|------------------------|--------------------------|------------------------|--------------------------|----------------------------|----------------------------|
| Screen Size (WxL) | mm         | 1500x4200                 | 1500x4800              | 1500x5400                | 1500x6000              | 1800x6000                | 2000x6000                  | 2500x6100                  |
| Capacity          | TPH        | 150                       | 150                    | 250                      | 300                    | 350                      | 450                        | 600                        |
| Number of Decks   |            | 2/3/4                     | 2/3/4                  | 2/3/4                    | 2/3/4                  | 2/3/4                    | 2/3/4                      | 2/3/4                      |
| Mounting Type     |            | Skid                      | Skid                   | Skid                     | Skid                   | Skid                     | Skid                       | Skid                       |
| Screen Position   |            | Inclined                  | Inclined               | Inclined                 | Inclined               | Inclined                 | Inclined                   | Inclined                   |
| Type of Motion    |            | Circular                  | Circular               | Circular                 | Circular               | Circular                 | Circular                   | Circular                   |
| Motor Power       | kw / (hp)  | 7.5-11.25<br>10 - 15      | 11.25-15<br>15 - 20    | 15 - 18.75<br>20 - 25    | 15 - 22.5<br>20 - 30   | 15 - 30<br>20 - 40       | 18.75 - 37.5<br>25 - 50    | 22.5 - 45<br>30 - 60       |
| Weight            | kg / (Ton) | 3200 - 5150<br>3.2 - 5.15 | 4000 - 6200<br>4 - 6.2 | 4500 - 6800<br>4.5 - 6.8 | 4900 - 8000<br>4.9 - 8 | 5200 - 9200<br>5.2 - 9.2 | 5700 - 10200<br>5.7 - 10.2 | 6500 - 12500<br>6.5 - 12.5 |

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



## SKID MOUNTED PLANT



## SKID MOUNT PLANT SMART-SM Plant

A modular semi mobile ( skid mounted ) featuring a primary crusher like a jaw or cone feeder and conveyors belt into a single transportable frame .It offers rapid on site setup without heavy foundation work.

### SALIENT FEATURES

- ▶ Rapid installation
- ▶ Compact wheel or skid mounted
- ▶ Faster return on investment
- ▶ Quick installation and commissioning

## Technical Specification

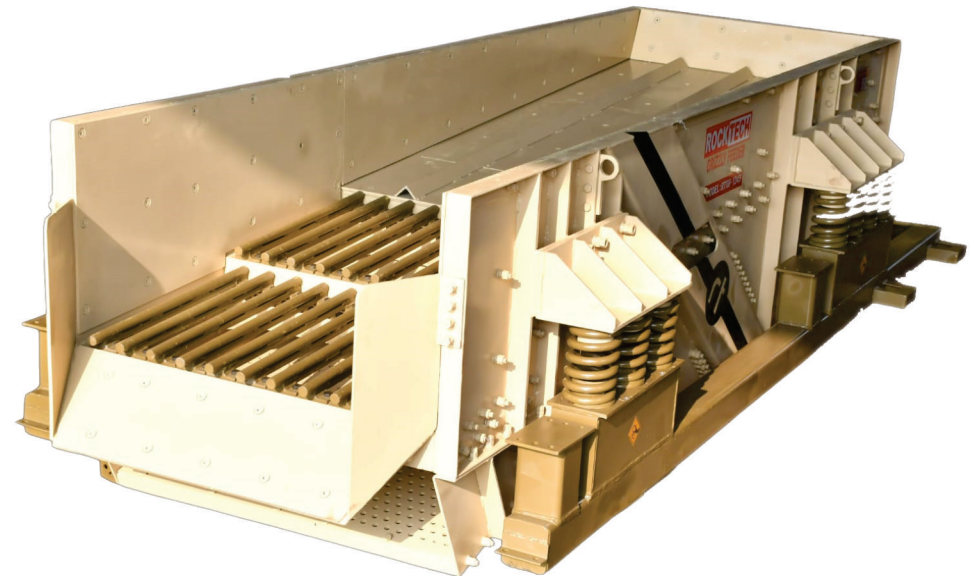
| Model                                  | SM - 150         | SM - 220            |
|----------------------------------------|------------------|---------------------|
| Feeder                                 | RTGF - 1245      | RTGF - 1445         |
| Hopper Capacity, m <sup>3</sup>        | 5                | 7.5                 |
| Jaw Crusher                            | JC -150          | JC - 220            |
| Opening size,<br>mm x mm (inch x inch) | 40x28<br>900x600 | (42x32)<br>1050x750 |
| Range, mm                              | 70 - 180         | 180-200             |
| Capacity, TPH                          | 105 - 180        | 127-250             |
| Power, kW (hp)                         | 75 (100)         | 110 (150)           |
| Cone Crusher                           | RTCC - 160       | RTCC - 200          |
| Model                                  | 150              | 200                 |
| Feed Opening size, mm                  | 150              | 165                 |
| C.S.S Range, mm                        | 25 - 34          | 25 - 40             |
| Capacity, MtpH                         | 90 - 160         | 160 - 260           |
| Power, kW (hp)                         | 135 (180)        | 161.25 (215)        |
| Screen                                 | RTVS - 185       | RTVS - 186          |
| Model                                  | VS185-4D         | VS18-4D             |
| Width, mm                              | 1500             | 1800                |
| Length                                 | 5400             | 6000                |
| No of Deck, nos                        | 4                | 4                   |
| Power, kW (hp)                         | 15 (20)          | 15 (20)             |



## GRIZZLY FEEDER



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. 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.



## TECHNICAL SPECIFICATION

| MODEL        |       | RTGF-1140    | RTGF-1245    | RTGF-1445    |
|--------------|-------|--------------|--------------|--------------|
| Feeder Size  | mm    | 1100x4000    | 1200x4500    | 1400x4500    |
| Feeding Size | mm    | < 550        | < 700        | < 850        |
| Capacity     | TPH   | 250          | 350          | 500          |
| Vibro Motor  | kw/hp | 4.8kw x 2/12 | 5.5kw x 2/15 | 7.5kw x 2/20 |
| Weight       | kg    | 4500         | 5700         | 6900         |

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











# ROCKTECH



ISO 9001 : 2015  
CERTIFICATE NO. :  
**12963-AQMS-3063**

## CORPORATE OFFICE

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