

We Develop Machines...
To Develop Nation...

## **MRB CRUSHERS**

High Production With Low Maintenance Crushing Solution











#### **About Us:**

Mrb Industries Provides Innovative, Technologically-sound And Cost-effective Solutions To The Crushing And Screening Industry. We Are The Strategic Business Division Since 2011 Faridabad -based Mrb Group.

We Provide A Comprehensive Range Of Products With High Reliability And Performance. The Newage Work Culture That We Have Adapted Drives Our Team To Exhibit Results Par Excellence.

We Provide Cost-effective Spare Parts Because We Make Every Part Indigenously. Enhanced Performance And Versatile Applications At Optimal Costs Has Made Us The Market Leaders.

Our Product Line Includes A Comprehensive Range Of Jaw Crushers, Feeders, Vibrating Screens, Sand Making And Washing. The Nationwide Presence Of The Company's Sales And Service Network And Round-the-clock Customer Support Make Us The Ultimate Choice Of Customers.

We Have Also Implemented A Quality Management System

BAUXITE
CARBORUNDUM
GRANITE
CALCUIM

IRON ORE
MANGANES
RIVER GRAVEL
LIME STONE

BLACK ROCK
COAL
COKE
QUARTZ

#### **Research and Development**

We Understand The Fact That To Survive The Stiff Market Competition, It Is Imperative For Us To Constantly Upgrade The Technology Used By Us For Manufacturing Our Material Handling Equipments. To Help Us In This We Have Established A Modern R & D Unit Within Our Organization, Which Is Equipped With The Latest Technology Based Instruments And Equipment. These Help Our R&d Professionals In Carrying Out Various Research Projects In An Effective And Competitive Manner. Our Organization Has Oppointed A Highly Knowledgeable And Experienced Team Of R&d Professionals Who Keep Them Selves Abreast With The Latest Technological Developments In The Industry. These Experts Are Constantly Working At Improving The Performance And Quality Of Our Material Handling Equipment, Which Help Us In Garnering High Level Of Client Satisfaction.

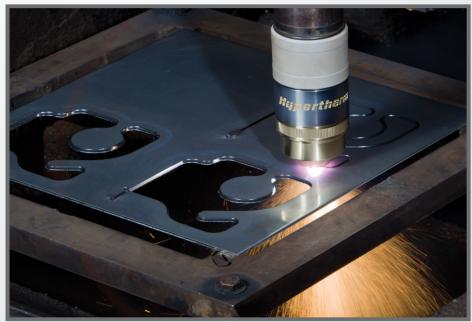


## **Infrastructure**

Sturdy And Enduring Machines Matching International Standards By Using Cnc Plasma Cutting Machine And High Voltage Mig Welding For The Perfection And Meeting Customers Unique Reuirements. Accurate Delivery Timeline And Reduced Parts Inventory As Well As Replacement Parts Order At Shorter Notices To Maximize Your Production. Expert Team Managing Projects Design To Installation Professional Team Of Technician Receiving Training At Regular Intervals. Sprawling 19000 Sq. Ft. Plant With State Of The Art Machinery Ensuring Manufacturing Excellence. Also Having Workforce More Than 100 People At A Time Which Includes On Site Tecnicians. This Makes Mrb Or Leading Crusher Machines Manufacturing Company.









## **Our Products**

- Mild Steel Hopper And Retaining Wall
- Grizzly Feeder/Vibro Feeder
- Jawcrusher (Single/Double Toggle)
- Granulator with Bolting System
- M Sand Making And Washing
- Horizontal Shaft Impactor
- Vibrating Screen
- Conveyor System







# Mild Steel Hopper And Retaining Wall

We Are Recognized As The Leading Manufacturers And Suppliers Of Premium Grade Primary Hopper That Is Available In Different Specifications For Our Clients. High Durability, Robust Design, Low Maintenance, Longer Service Life And Corrosion Resistance Are Some Of The Features Of Our Hopper. Developed Using Supreme Class Raw Material And Advanced Technology, This Hopper Is Manufactured In Compliance With International Quality Standards. Our Quality Controllers Conduct Stringent Quality Tests In Order To Ensure Its Quality And Durability.









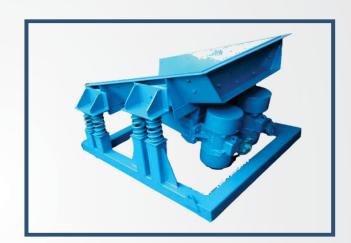


## **GRIZZLY / VIBRO FEEDER**

Vibrating Grizzly Feeder Generally Installed Between Hopper And Primary Jaw Crusher In A Crushing And Screening Plant Performs The Dual Function Of A Smooth Regulated Feeding To The Crusher As Well As Segregation Of Scalp Or Natural Fines Received From The Mines Or River Bed.

It Is Subject To Heavy Load And Abrasion Due To Large Sized Boulders Failling At Considerable Speed From The Hopper. Once At Rest On The Vibrating Grizzly Feeder's Main Body The Large Size Boulders Also Tend To Impede Any Kind Of Vibration Produced By Ordinary Conventional Designs.





#### **Capacity And Power Chart For Vibrating Grizzly Feeder**

MODEL	SIZE (FEET)	BASKET LENGTH (FEET)	BASKET WIDTH (FEET)	MOTOR WITH 1440 RPM
GZ 6X3	6X3	6	3	10
GZ 8x4	8x4	8	4	15
GZ 10x4	10x4	10	4	15
GZ 12x5	12x5	12	5	25
GZ 14x5	14x5	14	5	25
GZ 16x5	16x5	16	5	30



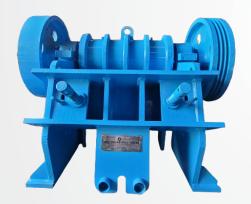
### **Jaw Crusher**

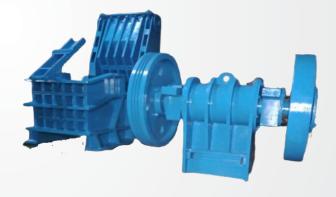
The Crusher Is Machine That Is Designed Such That To Reduce The Size Of Large Rocks Into Smaller Rocks Like Gravels. It Is Not Noly For That But It Is Also Used For Recyling Of The Waste Materials. Crusher Is A Multi Dimensional Machine. Crusher Has The Ability Of Changing The Form Of Material. In Rock Ores, Crusher Is Used For The Reduction In Size Or For Making Pieces Of A Solid Mix. E.e.

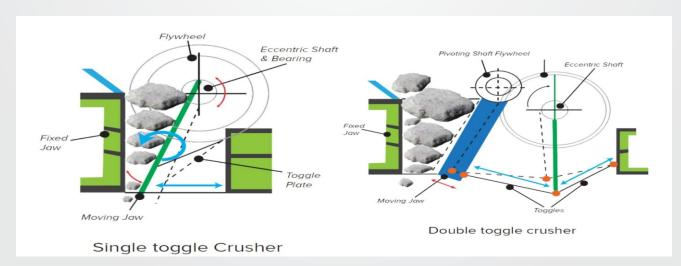
Compose Of Different Raw Material And These Pieces Are Used For The Composition Study Of Different Raw Materials The Pulping Of Feed Material Is Achieved By A Set Of Jaw Plates Made Of Mn Steel.

One Of The Jaw Plates Is Fixed While The Other Is Moving (swing Jaw Plates) The Swing Plate Moves By The Thrust Of Togle Plate Which Takes Force By Pitman, Rotation Of Which Is Created Through The Eccentric Shaft That Rotates Eccentrically By The Flywheel Which Is Driven By The V Belt Connected Electric Motor Or Diesel Engine As Prime Force.











#### Capacity And Power Chart For Jaw crusher (Primary jaw Machine)

MODEL	FEED OPENING	FEED- ING SIZE	CAPACITY IN TONS/HOURS WITH CLOSED SIDE SETTINGS										RPM	MOTOR RE-					
	SIZE (INCH)	· · · · · · · ·		(INCH)	40 MM	50 MM	63 MM	75 MM	80 MM	90 MM	100 MM	125 MM	150 MM	175 MM	200 MM	225 MM	250 MM		QUIRED (H.P.)
JC-12X7	12"X7"	5"	12	18	20											325-350	20		
JC- 16X9/10	16"X9"/10"	7/8"	14	20	24											325-350	25		
JC- 20X10/12	24"X10"/12"	8/10"	15	22	26	30										325-350	30		
JC- 24X12/15	24"X12"/15"	10/12"	20	26	30	34										300-325	40		
JC-30X15	30"X15"	12"	24	36	40	50										300-325	50		
JC-30X20	30"X20"	18"	24	36	40	50	60									300-325	50		
JC- 32X20/22	32"X20"/22"	18/20"	30	40	50	60	70	80	90	100	110					280-300	60		
JC-36X24	36"X24"	22"							100	120	140					260-280	75-100		
JC-36X30	36"X30"	27"								125	145	150	160			260-280	100-125		
JC-36X32	36"X32"	29"								135	150	160	170			260-280	100-125		
JC-42X30	42"X30"	27"								150	180	190	200			240-260	12-150		
JC-42X36	42"X36"	32"								150	180	190	200			240-260	125-150		
JC-48X36	48"X36"	32"								180	210	230	250	275	300	240-260	150-175		

#### Capacity And Power Chart For Granulator (Secoundary Jaw Machine)

MODEL	FEED OPENING SIZE	FEED SIZE (INCH)		CAPACITY IN TONS/HOURS WITH SIDE SETTINGS								
	(INCH)	()	40 MM	50 MM	63 MM	75 MM	100 MM	125 MM	150 MM	RPM	MOTOR RE- QUIRED	
JC-24X6	24"X6"	3"-5"	15	20	25					325-350	25-30	
JC-30X6	30"X6"	3"-5"	18	22	26					325-350	30-40	
JC-36X6	36"X6	3"-5"	20	24	28					325-350	40-50	
JC-36X8	36"X8	4"-6"	25	30	35	35-40				325-350	40-50	
JC-42X6	42"X6"	3"-5"	30	35	38					325-350	50-60	
JC-42X9	42"X9"	5"-7"	35-40	40-45	45-50	40-45				325-350	50-60	
JC-48X6	48"X6"	3"-5"	35-40	40-45	45-50					300-325	60-75	
JC-48X9	48"X9"	5"-7"	45-50	50-55	55-60					300-325	75-100	
JC-48X610/12	48"X10"/12"	6"-8"/10"	50-60	65-70	70-75	75-80	80-85	85-90	90-95	275-300	75-100	
JC-48X15	48"X15	12"	60-70	70-75	75-80	80-82	85-90	90-95	95-100	275-300	75-100	



# M Sand Plaster Sand Making and Washing

A Pair Of Large Wheels Or Cylinders Mounted On Horizontal Axis. When Rocks, Ore, And Other Materials Pass Between The Two Cylinders, They Are Crushed Or Ground Into Smaller Pieces. The Rollers Are Fitted In Coupling And Move On Bearings.

The Moving Roller Is Spring Loaded And Provides Safety To Any Feared Damage In Case Of Uncrushable Materials Passes Through. Feature Of Roll Crusher (dust Machine) The Two Parallel Roller Shells Are Rotated In Opposite Direction And Material Is Crushed In Between.

Out Of Two Rollers Is Stationery And The Other Is Adjustable. The Rollers Are Made Of Chilled Iron.

High Carbon Steel And Manganese Steel Box Type Frame Is Made Out Of M.s. Plate Reinforced By Steel Ribs And Base Feet Are M.s. Square Sriveted To Main Frame.





#### **Capacity And Power Chart For Roll Crusher (Dust Machine Bearing Type)**

ROLLER CRUSHER SIZE		ROLLER DIA METER		ROLLER WIDHTH		CAPACITY TPH	RPM	MOTOR REQUIRED H.P. IN 720 RPM
INCH	ММ	INCH	ММ	INCH	MM			
40X20	100X500	40	1000	20	500	25-40	110-125	50-60
48X30	1200X750	48	1200	30	750	60-80	110-125	80-100



### HORIZONTAL SHAFT IMPACTOR

Rotopactor Machine Is The Ultimate Weapon Against Flakiness. It Is Basically A Rotary Crusher Consisting Of An Impeller (rotor) Rotating At 1000-1200 Rpm Inside A Steel Fabricated Body Lined With High Grade Austenitic Manganese Steel Braker Liners. It Is Is Used In The Secondary Or Tertiary Stage Of A Stone Crushing Plant. The Product By The Rotopactor Is Technically And Comfortably Acceptable To Any Authority Be It Nhai, Or Dam Construction.

It Is On Stone To Metal Breaking At High Speed. This Machine Is Best Suitable For Crushing Of River Gravels. Working Principle The Material To Be Crush Is Fed Into The Centre Of Impeller (rotor) Rotating At High Speed. Then Crushed Material Is Uniformly Thrown Outwards By Means Of Centrifugal Force.

**Feature Of Rotopactor** (horizontal Shaft Impactor) High Throughput Capacity Cubicle Product With Minimal Fines A Variety Of Manganese Tooth Profiles Available Adjustable For Change In Product Sizing.





#### Capacity And Power Chart For Rotopactor (Horizontal Shaft Impactor)

MACHINE MODE	APROX PACACITY TPH	MAXIMUM FEED SIZE	MAXIMUM SPEED (RPM)		TOT CITY .P.)	APROX WT. IN KG
800	50-75	75MM - 100 MM	950-1000	75	100	7000
1000	150-200	125MM-150MM	950-1000	125	150	12000



## **Vibrating Screen**

We Are Manufacturing Vibrating Screens In Different Models Having Single, Double, Triple And Quadrilateral Deck.

Depending On The Requirement Of Customers. The Screens Are Heavy Duty Type Working On The Principle Of Circular Motion And Design For Longer Life Maintenance Free Service. Feature Of Vibrating Screen The Mainframe Fabricated From Ms Plate, Angles And Pipe And Is Welled Construction With Feed And Discharged Hoods As Integral Parts.

Screen Plates Are A Drilled Of Perforated Plates Of Appropriate Size For Proper Separation Of Desired Fraction. The Screen Plate Is Bolted To Cross Members Connecting To Screen Side Plate With Necessary Lock Washer Or U Clamps. Vibrator Assembly Comprises Of Shaft And Unbalancing Weights Driven, V Pulley Bearing, Bearing Housing And Central Pipe Casing. The Shaft Is Supporting Is Heavy Duty Bearing. The Bearings Are Totally Enclosed Grease Lubricated.











#### **Capacity And Power Chart For Vibrating Screen**

NUMBER OF DECKS	MODEL	BASKET LENGHT (FEET)		SCREENING AREA DECK (SQ. FEET)	CAPACITY (TPH)	RPM	MOTOR RE- QUIRED
	VS-8X4	8	4	32	15-20	850-1000	7-5
	VS-10X4	10	4	40	20-25	850-1000	10
	VS-12X5	12	5	60	30-35	850-1000	15
	VS-14X5	14	5	70	35-40	850-1000	15
1	VS-16X5	16	5	80	40-45	850-1000	20
	VS-18X5	18	5	90	45-50	850-1000	20
	VS-20X5	20	5	100	50-60	850-1000	30
	VS-18X6	18	6	108	60-70	850-1000	30
	VS-20X6	20	6	120	70-80	850-1000	40
	VS-8X4	8	4	32	15-20	850-1000	7.5
	VS-8X4	10	4	40	20-25	850-1000	10
	VS-12X5	12	5	60	30-35	850-1000	15
	VS-14X5	14	5	70	35-40	850-1000	20
2	VS-16X5	16	5	80	40-45	850-1000	20
	VS-18X5	18	5	90	45-50	850-1000	20
	VS-20X5	20	5	100	50-60	850-1000	30
	VS-18X6	18	6	108	60-70	850-1000	30
	VS-20X6	20	6	120	70-80	850-1000	40
	VS-12X5	12	5	60	20-30	850-1000	15
	VS-14X5	14	5	70	30-40	850-1000	15
	VS-16X5	16	5	80	40-50	850-1000	20
3	VS-18X5	18	5	90	50-60	850-1000	25
	VS-20X5	20	5	100	60-70	850-1000	30
	VS-18X6	18	6	108	80-90	850-1000	40
	VS-20X6	20	6	120	80-100	850-1000	40
	VS-12X5	12	5	60	20-30	850-1000	15
	VS-14X5	14	5	70	30-40	850-1000	15
	VS-16X5	16	5	80	40-50	850-1000	20
	VS-18X5	18	5	90	50-60	850-1000	25
4	VS-20X5	20	5	100	60-70	850-1000	30
	VS-18X6	18	6	108	80-90	850-1000	40
	VS-20X6	20	6	120	80-100	850-960	40
	VS-20X7	21	7	140	100-125	850-960	50

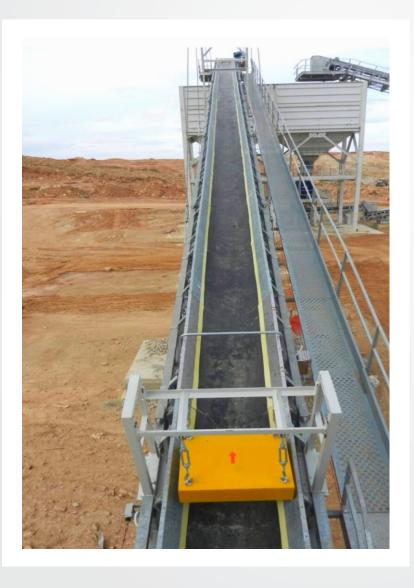


## **BELT CONVEYOR**

Conveyors In Different Sizes And Designs As Per Space Available At Site And To Accommodate The Requirement Of The Customers.

Conveyors Are Used To Convey The Material In Different Position As Feeder Conveyor, Return Conveyor And Delivery Conveyor.

Conveyor Consisting Of Frames, Joint Plates Drum Pulley (head And Tail Pulley) Counter Shafts, V-belt Pulley Bearing, Gear With Pinion, C.i. Roller (kuppa) With U.c.p, Indian Frame With Roller, Bearings, Motor Stand, Nylon Or Tyre We Manufacture Conveyor Frame In 24", 30" 36", 42", 48" & 52" Width By Different Size Of Channels.











## MRB Consume :-













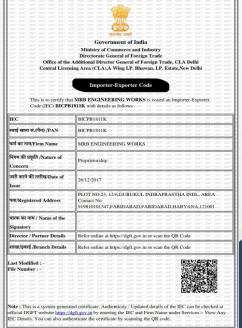






## MRB Certificates :-



















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