

# Gold Crush Control Panel & Spare Parts



## K.V. Metal Works

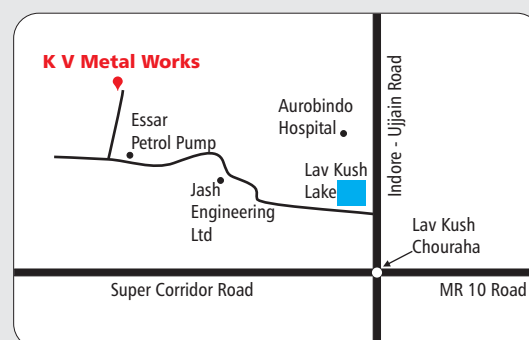
Manufacturers of VSI, Stone Crushers, Rotary Screen, Vibrator, Jaw Crusher, Cone Crusher  
Repairing and Job Work

7/1 Khasra, Behind Essar Petrol Pump, Bardari Industrial Area, Behind Aurobindo Hospital, INDORE (MP)

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MAKE DIFFERENCES TO GENERATION INFRASTRUCTURE

# Gold Crush

Strong & Excellent  
Through Quality



## K.V. Metal Works

An ISO 9001-2008 & ISO 18001-2007 Certified Company, Certificate No. - 160127601

Jaw Crushers | Stone Crushers | VSI (Sand Making Plant) | Cone Crusher | Vibrator | Rotary Screen  
Job Work | Crusher Repairing | Steel Fabrication



# Gold Crush K.V. Metal Works

## ABOUT US

Crushing and Screening is integral to industries as diverse as mining and construction. In both the industries the need for fast efficient crushing & screening operations is vital and makes a world of difference in terms of quality and productivity. This is the reason why customers across the country rely on K.V. Metal Works to provide innovative and technologically sound, cost effective solutions to meet their demands.

K.V. Metal Works is a strategic business division of the 22 year old is the result of intense research and development into the market needs of the construction and mining industries. We have state of art machining facilities and vast experience as our backbone making us an ideal solution provider for construction and mining industries.

K.V. Metal Works is a company of robust quality committed to making a difference in the construction and mining industries. Our main values are customer focus, teamwork, integrity, continual improvement, professionalism, creativity and innovation. We benefit from an integrated infrastructure facility that compares to world standards. Decades of experience in manufacturing has helped us providing products of higher reliability and performance.

K.V. Metal Works has over the years built up a strong customer base across the country. We embrace new work cultures and have a comprehensive range, We are the complete solution providers for mining and construction industries, with high focus on quality and performance. We also have proven advantage in performance and versatile applications at optimal costs. Quality is guaranteed by the incorporation of latest technologies and processes. As every part is made indigenously, the cost of the spare parts is lower, decreasing the total operation and maintenance cost for the customer. We have an excellent training and service team who support customer as a true partner.

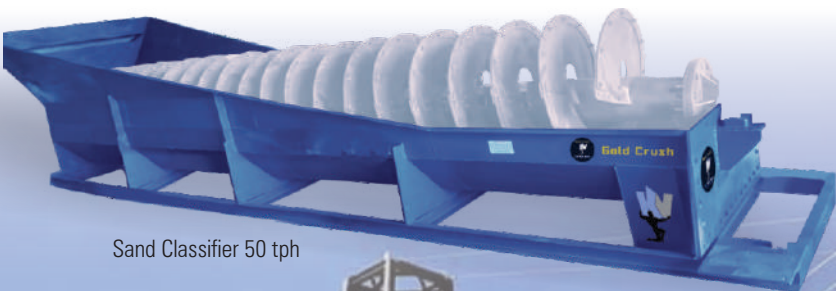
The product line comprises of a comprehensive range of Jaw Crushers, Cone Crushers, Vertical Shaft Impactors (VSI), Feeders, Vibrating Screens, Sand Washers. The company's sales and service network is nationwide and customer support is available 24x7.



## INFRASTRUCTURE







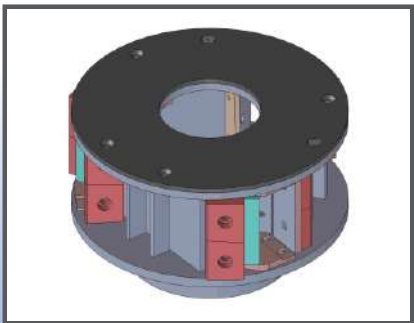
Sand Classifier 50 tph

The most frequent wearing parts in Vertical Stone Impactors are the Upper Plate and Hammer. K.V. METAL WORKS uses high manganese steel materials for casting parts, include: manganese, Chrome, Moly which not only realizes the stability and safety during the use of the Vertical Stone Impactors (VSI), but also ensures the long service life and wear resistance of the (VSI) wear parts. We also deals with other kind of Genuine (as per IS grade) Spare parts & Wear Parts of Vertical Stone Impactors (VSI) i.e. Upper chromium plate, Lowe Chromium Plate, Hammer, Shaft etc at very reasonable price.

## Working Principle

GC-VSI Vertical Shaft Impactor (VSI) crusher uses a unique approach for size reduction involving a high speed rotor with wear resistant tips and a crushing chamber designed to 'throw' the rock against. The VSI crusher utilizes velocity rather than pressure as the predominant force to break rock. The product resulting from VSI Crushing is of consistent cubical shape required by modern superpave highway asphalt applications. Using this method also allows materials with much higher abrasiveness to be crushed than is possible with an HSI and most other crushing methods.

Gold crush (GC-VSI) crushers utilize a high speed spinning rotor at the center of the crushing chamber and an outer impact surface of either abrasive resistant metal anvils or crushed rock. The models utilizing cast metal surface (anvil) is referred to as a "Shoe and Anvil VSI". And the models utilizing crushed rock on the outer walls of the crusher for new rock to be crushed against is referred to as "rock on rock VSI". We offer both designs depending upon the nature of stone and its usage. GC-VSI Crushers can be offered in static plant set-up or in mobile tracked equipment.



## Advantages of GC-VSI crusher

The GC-VSI's high cubical fracture percentage maximizes first-pass product yield and produces tighter particle size distribution. It has a high-throughput capacity ideal for beneficiation (elimination of soft material). Our Computer simulated configured VSI accepts highly abrasive materials with very slow wear rate, It has simple operation and maintenance. You can quickly change product size by changing rotor speed or cascade ratio. Our machine has reversible wear parts to reduce downtime. The GC-VSI typically has low operating costs even in high-moisture applications because of reduced energy costs and low wear cost per ton.

GC-VSI is typically used after a primary or secondary crusher. This makes a VSI ideal for making sand and for making cubicle coarse and medium aggregates for concrete/asphalt production.

Our machines accept feeds from 6-40 mm depending on the model selected. Computational Fluid Dynamics (CFD) mathematical modeling is utilized to simulate the flow and collision forces to design the shape of the tips and anvil for lowest wear cost, consistent final product, and higher energy efficiency.

The rotor speed (meters per second) controls final particle size. Speeding up the rotor will produce more fines, slowing it down will produce fewer fines. A VFD for motor can be offered to vary the speed as an additional feature.

Heavy duty vibration isolators provided between the body and support frame ensure long life for the equipment and lowers the chances of unbalancing of rotor meaning longer service.

The inbuilt chassis, supporting structure and ladder platform makes it a plug and play product. The user can start the machine in a matter of a few hours from the time of receiving it from our plant. The machine is fitted with drive at our plant under supervision of experts and the alignment achieved at plant enhances the smoothness in operation and long life for the belts as well as motor.

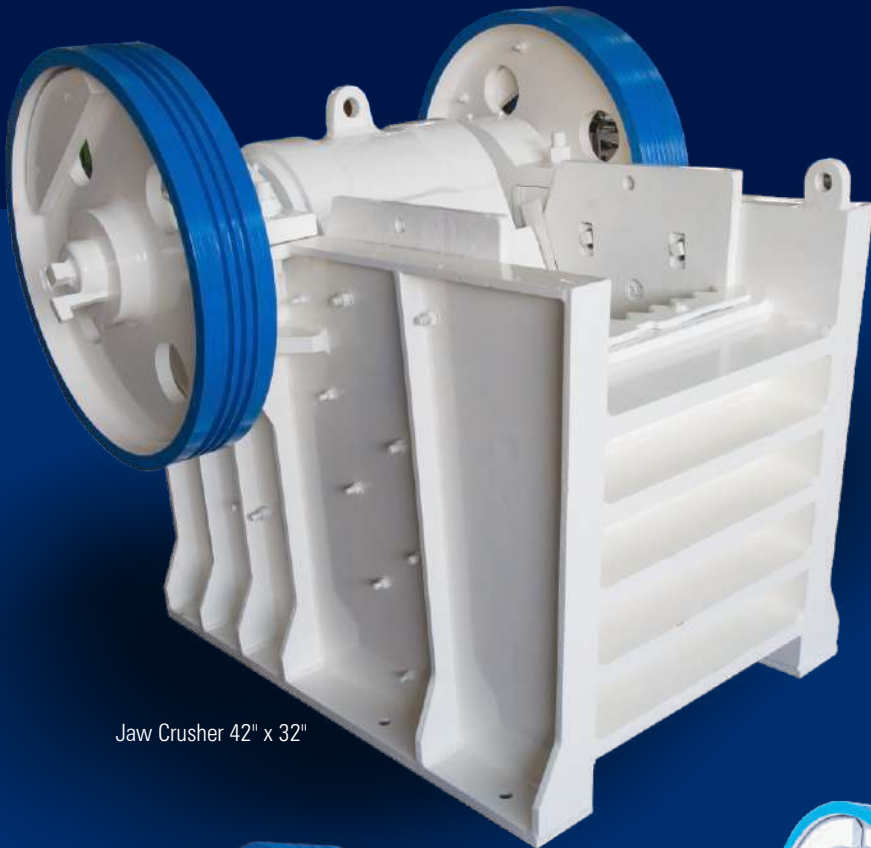
Model No.		GC-VSI-75	GC-VSI-100	GC-VSI-200	GC-VSI-300
Rotor Speed	(RPM)	1200-1600	1200-1600	1200-1600	1200-1600
Feeding Size	(MM)	0-16	0-16	0-25	0-25
Power	(HP)	75-100	100-125	150-180	200-225
Nominal Throughput Capacity	(TPH)	60-70	90-100	150	200-250
Note:- 0 - 5 mm sand throughput will be 30% of the total throughput capacity					



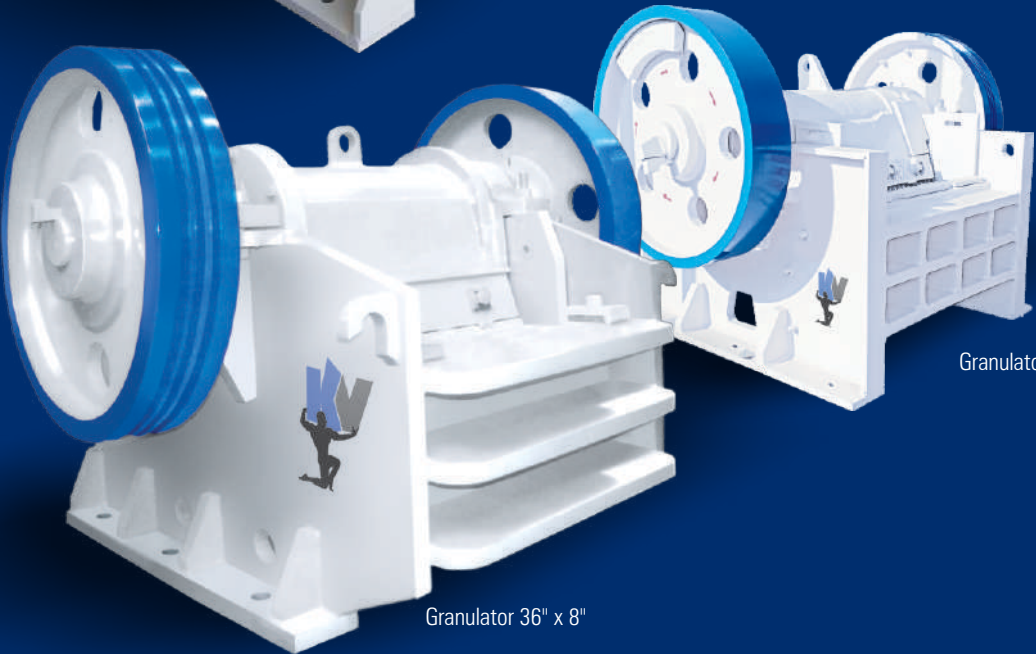


# Gold Crush

## GOLD CRUSH Jaw Crusher



Jaw Crusher 42" x 32"



Granulator 36" x 8"

The jaw dies and the jaw plates are the most common wearing jaw crusher parts. K.V. METAL WORKS can produce jaw plates with different tooth shapes and materials according to the your working conditions.

We are also able to custom design jaws that offer increased performance by using EN1 to EN 11 Grade quality material which imposes proportional quantity of manganese, Chrome, Moly to with stand the demand and conditions applied

Special heat treatment methods are used to make each jaw crusher liner have a higher degree of wear resistance and service life. According to customer feedback, the service life of K.V. METAL WORKS jaw crusher parts is 20-30% longer than ordinary parts.

We also deals with all kind of Genuine (as per IS grade) Spare parts & Wear Parts of Jaw Crusher i.e. Jaw plate moving, Jaw plate fix, Side Liners, Cheek Plates, Upper & Lower Wedges, Wedge bolts, Side plate bolts, concave bolts, Damper pads, Pull back Rod, Tension Rod, Spring etc at very reasonable price

### Extra Heavy Duty Crusher

**Gold Crusher** : Jaw crushers designed & manufactured by K.V. metals with advanced modern technology on highly sophisticate machine & equipment to produce maximum output of materials with minimum power consumption & maintenance.

#### Salient Features of Jaw Crushers

Application : Gold Jaw crushers are ideally suited for crushing of Hard Granite Stone, Black Trap Rock, River Gravel Limestone, Coal etc.	Antifriction : The crushers are specially fitted in heavy duty double roller bearings which ensures smooth operation. The bearings are fitted on both sides of cranks shaft and two in swinging lever.
Body : Body is made from best quality tested M.S. plate welded fabricated construction.	Spring Rod : Well designed compression spring and spring rod provide cushioning to the toggle mechanism, eliminates knocks and reduces the resultant wear & tear.
Crank Shaft : Crank shaft is made of alloy steel En9, En'19-hardened - tempered and precision machined to fit heavy duty spherical roller bearings (Ensure proper greasing daily).	Fly Wheels : Two heavy cast iron fly wheels are fitted and balanced to ensure smooth ready running for adjusting metal crushing size.
Swinging Lever : The swinging lever (Pitman) is made of steel casting with high tensile strength and is precision machined for smooth crushing stone.	Seating Plates : Toggle Block and Wedge Block System for Setting.
Jaw Plates & Side Plates : The jaw plates are made of high tensile manganese steel of Grade-3. One jaw is fixed and the other jaw is fitted on swinging lever. The side plates are of close fitting type which prevents wear & tear to the main body.	Warranty : Jaw crushers are warranted against manufacturing defects. However, the warranty does not cover breakdowns under normal wear & tear or due to misuse/mistake made by plant operator.
Lubrication : Roller grease is used as lubricant in bearings to ensure smooth working. Grease moves outwards from bearings & grease nipples are fitted at appropriate places.	



32" x 22" Jaw Crusher



36" x 28" Jaw Crusher



24" x 12" Jaw Crusher

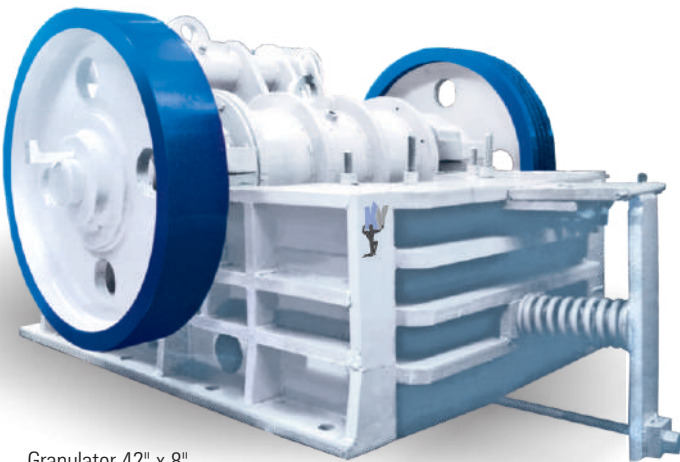


**Gold Crush** K.V. Metal Works

### Single Toggle Grease Base

Jaw Size		Average capacity in tons / P.H. with Jaw Setting										Drive	RPM	Feed
Inches	M.M.	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	5"	6"	7"	H.P.		Opening
16x10	405 x 250	3	4	5	9	15	-	-	-	-	-	25	315	175
18x12	450 x 300	7	11	12	15	20	23	-	-	-	-	30	315	185
20x12/10	505 x 300/250	10	13	15	18	22	26	-	-	-	-	40	315	200
22x10	550 x 250	12	15	18	20	24	28	-	-	-	-	50	315	225
24x12	610 x 300	15	20	25	28	30	40	-	-	-	-	50	315	235
24x15/18	610 x 375/460	-	-	-	-	30	35	40	45	-	-	50	300	250
30x18	750 x 450	-	-	-	-	35-40	40-45	45-50	50-55	-	-	60	300	400
30x10/12	750 x 250	18	22	28	30	35	-	-	-	-	-	60	300	150
32x22	815 x 560	-	-	-	-	40-50	50-60	60-70	70-80	-	-	60-75	285	450
36x6/8	900 x 150/200	10	18	25	28	30	35	-	-	-	-	50-60	315	100
36x10	900 x 250	20	25	28	30-35	38	40-45	-	-	-	-	60	300	225
36x24	900 x 600	-	15	-	-	-	-	65	75	85	90-125	100	285	600
36x30	900 x 750	-	15	-	-	-	-	70	85	90	100-140	100-125	285	650
42x8	1075 x 200	15	-	25	28	32-38	-	-	-	-	-	60	300	150-175
48x9/10	1200 x 225/250	28	32	34	38	35-40	45	-	-	-	-	100	315	150-175
42x32	1050 x 800	-	-	-	-	-	-	150	175	250	150-175	150	275	750
48x36	1200 x 900	-	-	-	-	-	-	-	200	275	300-400	220	275	850

### Double Toggle Grease Base



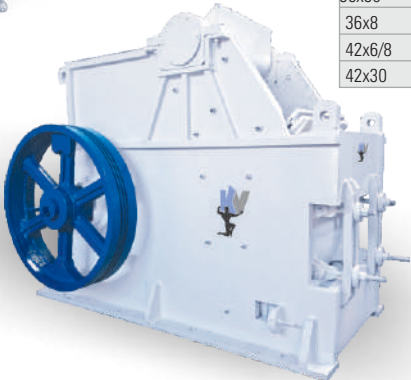
Granulator 42" x 8"

Jaw Size		Average capacity in tons / P.H. with Jaw Setting										Drive	RPM	App.
Inches	M.M.	1/2"	3/4"	1"	1 1/2"	2"	3"	4"	5"	6"		H.P.		Weight
16x9	405 x 555	3	4	5	6	8	-	-	-	-		25	300	4800
20x12/10	505 x 300	9	14	18	20	24	28	-	-	-		30	300	5500
24x12	610 x 300	15	20	28	32	34	35	-	-	-		40	310	9000
30x20	750 x 500	-	-	-	-	28	42	50	60	75		50	275	11500
36x6	900 x 150	12	18	25	30	-	-	-	-	-		40-50	275	9500
36x24	900 x 600	-	-	-	-	-	67	70	75	100-125		75	275	20000
42x8	1075 x 200	18	25	28	35	40	-	-	-	-		60	320	13000





36" x 24" Jaw Crusher



Double Toggle Oil Lubricant

Jaw Size		Average capacity in tons / P.H. with Jaw Setting										Drive	RPM	Feed
Inches	M.M.	1/2"	3/4"	1"	1½"	2"	3"	4"	5"	6"		H.P.		Opening
22x9	555 x 226	11	15	18	20	24	-	-	-	-		30	320-350	175
20x12/10	500 x 300/250	12	13	16	20	28	-	-	-	-		30	320-350	200
24x12	600 x 300	14	16	19	22	25	35	-	-	-		35	320-350	250
30x9	710 x 225	15	21	25	28	30	38	-	-	-		50	320-350	175
30x12	710 x 300	15	21	25	28	30	38	-	-	-		50	320-350	175
30x15/20	775 x 375/500	-	-	-	-	50	65	70	75	85-100		50	275-300	300-350
30x24	750 x 600	-	-	-	-	50	65	70	75	85-100		60	275-300	550
36x24	900 x 600	-	-	-	-	-	65	75	80	80-130		75	275-300	575
36x30	900 x 750	-	-	-	-	-	65	75	80	80-130		100	275-300	575
36x8	900 x 200	14	21	28	35	40	-	-	-	-		40-50	300	150
42x6/8	1050 x 150	16	24	30	38	42	45-50	-	-	-		50-60	320-350	100
42x30	1050 x 750	-	-	-	-	-	80	100	150	150-200		100	275-300	750

Roller Crusher



Roller Size		Capacity	Motor	Feeding Size
Inches	M.M.	TPH	HP	MM
24x14	600 x 350	15-20	15HPx2 = 30 HP	6 to 18
36x18	900 x 455	20-30	20HPx2 = 40 HP	6 to 20

Pro-Wash Module (Hydrocyclone)

Hydrocyclone is designed to ensure maximum efficiency from your washing plant. Our Pro-Wash (hydrocyclone) is developed to deliver high quality washed sand to get global construction market. The Pro-Wash (hydrocyclone) modular design facilitates the extremely accurate separation of silts and clay from the final washed sand products. Pro-Wash (hydro cyclone) System is employed in the production of specialist sands for various usages. The innovative design feature makes our Pro-Wash (hydro cyclone) A ideal choice for the customer.

Model No.	Washx-70	Washx-100	Washx-150	Washx-200
Troughput capacity (Tph)	30-70	60-100	110-150	160-200
Hydro cyclone Dia. (mm)	400	500	600	700
Dewatering Size (mm)	1975x1330	2575x1330	2575x1930	2875x2530
Vibro Feeder Power (Hp)	3 + 3	5 + 5	5 + 5	7.5 + 7.5
Slurry Pump Size	3' x 2'	4' x 3'	6' x 4'	8' x 6'
Slurry Pump Power (Hp)	15	20	30	40
Feeding Size (mm)	4.75	4.75	4.75	4.75

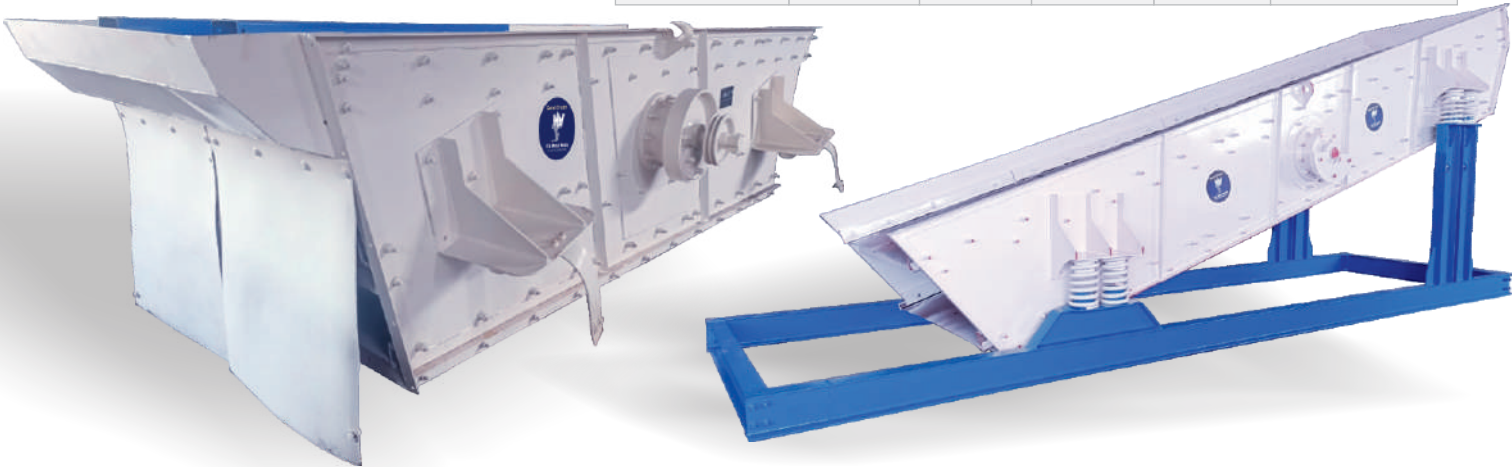


Vibrating screen

We manufacture reliable and high performance wire mesh fitted vibrating screen which offer 20% higher sieving compared to the plate type screens. The wire mesh is fixed on sides using crowning at the centre so that the wire mesh is always pulled from sides and the sieving is most efficient. Robust side casing and shaft with elegantly designed platform and chassis make it an engineering marvel.

Vibratory screen efficiency is key to the plant capacity and controls the particle size analysis by preventing the smaller size stones to recycle in the crushing machinery. The sieving is perfect and requires minimum maintenance. The equipment is designed for long life.

Model	Size (Feet)	Deck	Capacity (TPH)	Power (HP)	RPM
GC-VS-84	8x4	2/3	10	7.5	850-1000
GC-VS-104	10x4	2/3	15	10	-
GC-VS-124	12x4	2/3	15-20	10	-
GC-VS-125	12x5	2/3	20-30	10	-
GC-VS-145	14x5	2/3	25-40	15	-
GC-VS-165	16x5	2/3/4	50-75	15	-
GC-VS-185	18x5	2/3/4	75-100	20	-
GC-VS-205	20x5	2/3/4	100-150	25	-
GC-VS-206	20x6	2/3/4	100-175	30	-
GC-VS-207	20x7	2/3/4	100-200	40	-
GS-VS-247	24x7	2/3/4	200-300	25	-
Double Shaft				(2 Nos.)	







# Gold Crush

## GOLD CRUSH (GC-VF) Vibrating Feeders



## GOLD CRUSH (GCC) Cone Crusher

# Gold Crush



**GC 150 Cone Crusher**  
150 to 225 tph

## Vibrating and Reciprocating Feeders

**Most Versatile and Reliable**  
(Available with requirement of Ton/Hr.)

Model	Feed Size (MM)	Capacity (TPH)	Power (HP)	Overall Dimensions (LxBxH) MM
GC-VF-612	100	25-125	5	1350 x 1000 x 820
GC-VF-815	200	50-150	5	1550 x 1200 x 920
GC-VF-825	250	50-200	7.5	2700 x 1200 x 1050
GC-VF-1015	200	50-150	5	1550 x 1400 x 1100
GC-VF-1030	500	80-250	10	3200 x 1450 x 1500
GC-VF-1040	600	100-250	15	4100 x 1550 x 1800
GC-VF-1240	600	100-250	20	4400 x 1800 x 1800
GC-VF-1550	750	150-350	30	5100 x 2000 x 2100

### Salient Features

Increase Productivity | Sorts out wastages and fines  
Increases efficiency of machine at primary or secondary stage crushers | Continuous feeding of material

The most frequent wearing parts in cone crusher are the mantle and concave.

K.V. METAL WORKS can produce OEM interchangeable mantles, concaves and other cone crusher spare parts according to the crusher models you are using. K.V. METAL WORKS uses high manganese steel materials for casting parts, include: manganese, Chrome, Moly which not only realizes the stability and safety during the use of the cone crusher, but also ensures the long service life and wear resistance of the cone crusher wear parts. According to the usage and customer's feedback under various working conditions, the cone crusher wear parts produced by K.V. METAL WORKS have a service life of 10-15% longer than ordinary parts.

We also deals with other kind of Genuine (as per IS grade) Spare parts & Wear Parts of cone crusher i.e. Mantles, Concaves, Eccentric, Eccentric Bearing, Thrust Bearing etc at very reasonable price.

Model No.		GCC-125	GCC-160	GCC-220
Feed Opening	(MM)	145	180	220
Max. Input Size	(MM)	120	150	190
Power	(HP)	100-125	125-180	180-235
Capacity	(TPH)	100-125	160	220

## Mobile Crushing Unit



## Belt Conveyors

We design, Engineer, manufacture and supply belt conveyors for complete projects for stone crushing as well as sand making. Made using standard section as well as pre- engineering sections, they are robust and meet the duty conditions of stone crushing as well as sand making plants. We have successfully executed projects using our conveyors to match the world class machinery for making sand as well as stone aggregate.

In house manufacturing of parts like frames, supports, idler, roller, return roller, head pulley and tail pulley ensure that we have complete control on quality, performance and delivery time to meet the stringent demands of our customers on all these counts.

