

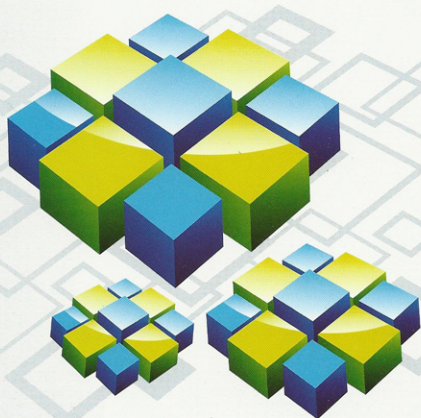
JAS-ANZ



ISO 9001 : 2008 Certified Company



We give **Solutions...**



Material Handling Systems

About Us

GVN Material Handling is the organization with an experience of more than three decades, having its wings spread all over India and abroad. We are into manufacturing of Fuel Handling System (i.e Coal, Husk, Bagasse, Wood Barks, & Multi fuel etc. Belt Conveyor/ Roller Conveyor/ Bucket elevator/ Screw Conveyor/ Truck Loader & Unloader Divertor/ Coal Crusher/Vibratory Screen/ Drag chain Feeder/Screw feeder & ASH HANDLING SYSTEM are some of the customised products in our product range.

Our true assets are the relationship and trust we have earned with our valued clients. Quality service is our responsibility and not an obligation.

Our Products

Belt Conveyor

- Vital application is in handling higher tonnage over long distance at the lowest cost.
- Used for conveying, weighing, blending, sampling and stocking etc.
- Adaptable for handling certain corrosive material as well.
- Selection & Design:

Belt Conveyors - IS: 11592-1985

General structure - IS: 2062-1992

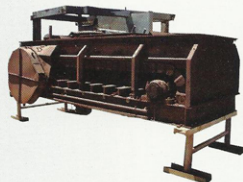
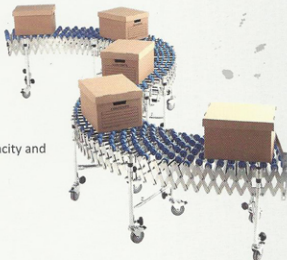


Screw Conveyor

- Used for distributing, collecting, mixing, elevating & conveying of ores, coal, cement powder, malt grain other food products etc.
- Suitable for restricted space and easy to install.

Roller Conveyor

- Custom made, engineered according to the layout
- Ideal for process operations
- Available in continuation of roller & frame size depending upon the capacity and the material to be handled.



Feeders / Apron Feeders

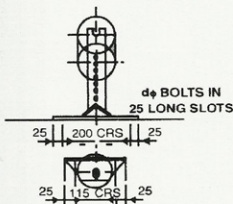
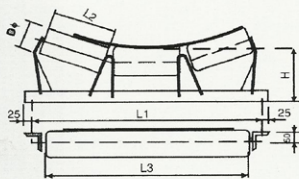
- Consists of endless belt or aprons operating on the ends of head and tail.
- Stationary skirt contain the material/accommodates lumps.
- Suitable for bulk materials like ores, sand gravel, stone coal, foundry and industrial refuse.
- Aprons are of different styles that are suitable mostly for the bulky material (as per IS: 7423-1974.)

Roller / Idlers / Frames

Manufactured from mild steel tube with concentrically machined ends to give true rotation with minimum run out and vibrations. Bearing housing is of precision machined cast iron, CRCA press steel. Standard rollers incorporate single row deep groove ball bearings of ample capacity in keeping with current international practice

The bearing is effectively sealed at the back by a PVC seal and at the front by non-rubbing multi labyrinth seal and dust cover, this arrangement of sealing has been found to be most effective for keeping the lubricant in and the dust out, gradually replacing the more complicated but less effective sealing arrangement being still adopted by other manufacturers. All standard rollers are grease packed sealed and no relubrication is necessary. Various roller diameters are offered with overall idler assembly dimension based on IS : 8598-1987.

Idlers greatly influence belt tensions, power requirement, belt life, capacity and operational success of a conveyor. Based on experience, offers various roller designs ranging from a small light duty designs for seasonal or intermittent service to a heavy duty unit for continuous handling of heavy coarse materials. salient features are



Sturdy and right self cleaning design with inverted angle base and slotted mounting holes.

BELT WIDTH	L1	L2	L3	H FOR CARRYING IMPACT Idlers				d
				89	114	139	165	
				400	690	160	500	
450	740	190	550	200	225	-	-	M12
500	790	200	600	200	225	-	-	M12
650	940	250	750	200	225	275	290	M16
750	1040	290	850	200	225	275	290	M16
800	1090	315	950	200	225	275	290	M16
900	1190	350	1050	200	225	275	290	M16
1000	1290	380	1150	200	225	275	290	M16
1200	1490	465	1400	200	240	275	290	M16
1400	1690	530	1600	200	240	275	290	M16
1600	1900	600	1800	200	240	275	290	M20
1800	2100	670	2000	200	240	275	290	M20
2000	2300	710	2200	200	240	275	290	M20

Roller tubes for Idlers and Roller for belt conveyor should be as per IS : 9295-1983

Trust Us

List of prestigious clients speak out our enumeration along with best summary of our product in the shape of catalog. We understand your needs so as to cater you most effectively & efficiently, please guide us for vendor registration in your esteem organisation.

Bucket Elevators

- Consist of buckets mounted on a chair or a belt running over head, tail pulleys and sprockets.
- Selection of bucket elevator depends largely on the capacity and characteristics of the material to be handled.
- Selection and use as per IS: 7167-1974.



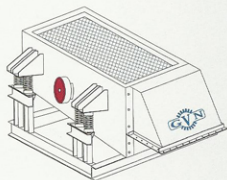
Rotary Air Lock Feeders

They are used to control the discharge rates of fine or granular, free flowing, dry solid materials between parts of systems at equal pressure or with minimum air loss under differential pressure conditions.

Vibrating Screens

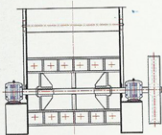
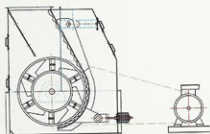
- Designed in such a way that excludes all welding on the sheets enabling to eliminate residual tensions.
- Made up of rigid screen frame of rolled sections housing variable angle of inclination supported by a system of helical springs fitted with one or several screening surfaces.

TYPES (width x Length in cm)	100x150	125x250	150x300	150x400	180x500
Gross Surface.....m	1.5	3.13	4.5	6	9
No. of Deck.....	1	1	1	1	1
Power (squirrel-cage motor).....KW	2.2	3.7	5.5	7.5	15
Capacity (Husk).....t/h	2	4	5	7.5	10
Coal	10	20	40	60	80



Coal Crusher / Impactors

- Ideal solution for crushing, non-abrasive, soft, easily friable materials like coal, lignite, gypsum etc.
- Extensively used in power plants for coal application (20mm to 6mm).
- Reduction ratio normally achieved is 8 to 12 depending upon HGI of coal, % of shale present and moisture in the feed.
- Have an edge wherever the reduction ratio (8-10) is desired as variance possible of product size from 20mm to 6mm.



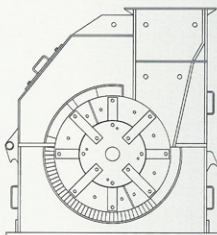
TYPES	GVN-CIL	GVN-CIM	GVN-CIH	GVN-CIEH	GVN-CIHD
Diameter- mm	600x400	600x600	800x800	1000x1000	1200x1200
Feed Opening- mm	350x400	400x600	600x800	600x1000	600x1200
Speed- RPM	750	750	750	750	600
Power Required- KW	20	40	60	75	100
Average Output Coal t/h	10-15	15-30	25-40	40-75	60-100

Hammer Mill

These series swing hammer mills are normally fed with graded materials and are virtually always used in the secondary crushing stage.

These machines are therefore of lighter construction. They have hammers and reversible, crush the coal from successively edges. The grate bars are more closely spaced.

TYPES	GVN-1HM	GVN-2HM	GVN-3HM	GVN-4HM	GVN-5HM
Rotor Diameter.....mm	400	500	600	800	1000
Feed Opening.....mm	250x300	460x480	800x300	930x480	1210x400
Speed.....rpm	1000	1000	900	750	700
Power Requirement....kw	7.5	11	22	30	35
Average Out put t/h	2	5	10	15	20

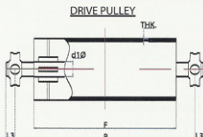
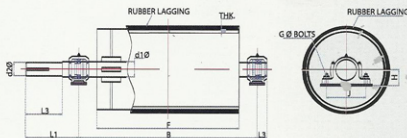


Pulley Assemblies

Pulleys are of heavy duty construction suitable for continuous operation, minimum pulley diameters are as per IS 1891 (Part 1) 1978 while other dimensions and tolerances are as per IS : 8531-1977. Pulley shells are either made from standard heavy tubes or fabricated from steel plates, depending upon the face width, two or three diaphragms are provided. Pulley shafts are of carbon steel and fully machined to precise tolerances. Assembly of pulley and shaft is usually accomplished through a bore and key way. However, taper lock bushes/keyless locking device are also offered. Heavy duty split type plumper blocks equipped with self aligning double row ball, roller, taper roller bearings with adequate dust sealing arrangement are used. Take-up shaft runs between standard take-up Blocks with antifriction self aligning ball bearing, sliding between parallel guides provided in the structure.

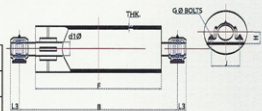
Straight or crowned faces are available in all combination of diameters and face widths. They may be furnished with rubber lagging usually vulcanized to the rim surface. Lagging for drive pulleys is usually grooved to resist slippage. Static balancing of pulleys ensures increased bearing life.

d1 ϕ	d2 ϕ	L1	L2	L3	J	H	G	E
25	22	100	36	40	150	50	M12	76
40	38	125	58	45	170	60	M12	102
50	48	150	82	50	210	70	M16	102
65	60	185	105	60	230	80	M16	151
80	75	225	130	75	290	100	M20	165
100	95	275	165	90	350	125	M24	260
125	120	290	165	105	420	150	M30	-
140	130	340	200	120	470	170	M30	-



TAIL / TAKE UP PULLEY

BELT WIDTH	400	450	500	650	750	800	900	1000	1200	1400	1600	1800	2000
F	500	550	600	750	850	950	1050	1150	1400	1600	1800	2000	2200
B	690	740	790	940	1040	1090	1190	1290	1490	1690	1900	2100	2300



BEND / SNUB PULLEY

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GVN MATERIAL HANDLING (P) LTD.

UG-1, Plot No. 14, Vardhman Plaza 2000 Comm. Centre Rani Bagh,
Road No. 44, Pitampura, Delhi-110034

Ph. : 011-47566990, 47074091-98

Works : 422-423, M.L.E., Phase-1, Part-A, Bahadurgarh -124507 (Haryana)

Ph. : 01276-267159, 267976

E-mail: info@gvnmateral.com / gvn@gvnmateral.com

Web : www.gvnmateral.com





Certificate of Registration

*This is to certify that
The Quality Management Systems*

GVN MATERIAL HANDLING PVT. LTD.

at

REGD OFFICE : UG - 1, PLOT NO. 14, VARDHMAN PLAZA 2000, COMM. CENTRE,
RANI BAGH, ROAD NO. 44, PITAMPURA, DELHI - 110 034 (INDIA)

&

FACTORY : 422 - 423, M.I.E. PHASE - I, PART - A, BAHADURGARH - 124 507
(HARYANA) (INDIA)

Has been found to conform to the Quality Management System Standard:

ISO 9001:2008

This certificate is valid for the following Product or Service ranges:

**MANUFACTURING OF FUEL HANDLING SYSTEMS (COAL,
HUSK, BAGASSE, WOOD BARKS & MULTI FUEL) BELT
CONVEYOR, ROLLER CONVEYOR, BUCKET ELEVATOR,
SCREW CONVEYOR, TRUCK LOADER & UNLOADER BAG
DIVERTOR, COAL CRUSHER, VIBRATING SCREEN, DRAG
CHAIN FEEDERS & ASH HANDLING SYSTEMS**

Place and Date:

NEW DELHI: 14/02/2011

Accredited Unit:

P.C. Management System Pvt. Ltd.

Certificate no.
PCMS/QMS/1331-2011

This is a multi-site Certification

JAS-ANZ



CHAIRMAN / DIRECTOR

Acc. No:- M3111204IN

Issue: 2011/02/14

www.jas-anz.org/register

Expire: 2014/02/13

Regd. Off. - 134-A, IInd Floor, Taimoor Nagar, New Friends Colony, New Delhi - 110 065

Website - www.pcmsindia.com, E-Mail - pcms@pcmsindia.com