PUZZOLANA

DELIVERING EXCELLENCE

Powering Global Infrastructure

Crushers | Screens | Classifiers | Mobile Plants | Wear Parts

PUZZOLANA

ISO CE

www.puzzolana.com

INTRODUCTION

PUZZOLANA, a Hyderabad-based diversified group stands as Asia's largest crushing and screening manufacturer, setting industry benchmarks across 30 countries. A proud CE-certified “Make in India” entity. PUZZOLANA embodies a Six-decade Legacy of delivering effective, economical and environmentally efficient solutions in the field of Crushing, Screening & Mining.

The brand's unwavering commitment to engineering excellence and customer satisfaction is evident in its extensive product portfolio, including jaw crushers, cone crushers and innovative solutions like the PTech Screen.

PUZZOLANA’s modular, wheeled, and mobile crushing plants backed by in house capabilities in engineering and world class infrastructure, showcase a relentless pursuit of quality up to CE standards

Beyond mere market leadership, PUZZOLANA’s ethics revolves around sustainability, and innovation. The brands foray into road making machines and pioneering efforts in processing C&D Waste reflect a holistic approach towards meeting diverse construction needs. With a focus on R&D the company adapts state of art technologies epitomizing a vision for engineering excellence that contributes to sustainable future.

PUZZOLANA’s success is not just measured by its extensive product range but also by its ability to create leading relationships with customers through transparent solutions, constant aftermarket supports and robust network of dealers. As the ”Crusher Man of India” Mr. Prakash Pai’s visionary leadership has steered PUZZOLANA towards becoming a trusted name, synonymous with uncompromising quality, indigenous technology and culture of continuous improvement. In essence, PUZZOLANA is not just a brand, it is a symbol of precision engineering, innovative and a steadfast commitment to building a sustainable future.

We welcome you to the Puzzolana experience! Being customer centric and focusing on the needs of the industry has meant continued bonds with customers, financiers, and suppliers like none other

Prakash Pai P

We are proud to be a leader in innovation, technology, manufacturing, and metallurgy developed indigenously and scaling globally. Truly a Make in India initiative

Anantha Pai P

OUR PILLARS

- Innovation R & D
- Make In India
- Precision Manufacturing
- Customer Centric
- Application Oriented
- Forward Thinking
- Sustainability & Green Solutions
- People Heritage
- CSR & Community

Construction Machinery Range

JAW CRUSHER

- Rugged design for high performance suitable for tough quarrying and mining applications
- Reliable high crushing rate and user friendly experience
- The unique elliptical motion of the swing jaw ensures a high efficient production rate
- The design also permits an extra long jaw length which in turn means more crushing strokes giving a high ratio of reduction
- Crushers are designed for exceptionally heavy duty and continuous operations. These are well suited for stationary and mobile applications

Capacity Chart

Model No.	Feed Opening mm	Max Feed Size mm	CSS Range in mm (Min/Max)	Capacity Range in T.P.H (Min/Max)	KW	RPM
PJC 7650	760 X 500 (30" X 20")	425	50-175	40 - 200	45	295
PJC 9260	915 X 600 (36" X 24")	500	65-175	70 - 300	75	250
PJC 11282	1115 X 815 (44" X 32")	650	75-200	150 - 450	110	250
PJC 12096	1215 X 965 (48" X 38")	800	100-250	190- 700	160	225
PJC 120106	1120 X 1065 (48" X 42")	875	125-250	240 - 600	185	220
PJC 130120	1330 X 1220 (52" X 48")	1000	125-250	350 - 825	185	220
PJC 150128	1500 X 1280 (59" X 50")	1000	175-300	550 - 1050	250	260

Note: The capacity figure indicated are approximate and are based on continuous regular feed of stone of Bulk density 1.6T/Cu.m with standard jaw liners. Lower capacity indicated are for hard stone and higher capacity are medium hard stone. However, they may vary based on type of feed material, gradation of feed, type of feeding, clay and moisture content, bulk density and fractured properties of feed material. Continuous development in the design and construction techniques may result in changes. We reserve the right to make any alteration or modification which we feel as an improvement. Please consult Puzzolana for latest information.CSS of minimum size is based on rock properties

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PJC 10670	1060 X 700	560	70-200	150 - 550	110	280
PJC 11076	1100 X 760	620	75-225	150 - 500	132	250
PJC 11776	1170 X 760	625	70-200	165 - 580	132	260
PJC 14076	1400X 760	650	100-225	240- 700	160	250
PJC 12292	1220 X 915	750	100-229	229 - 635	185	225
PJC 137107	1370 X 1070	900	125-250	400 - 900	200	220
PJC 200150	2000 X 1500	1300	175-310	675 - 1575	400	200

Note: The capacity figure indicated are approximate and are based on continuous regular feed of stone of Bulk density 1.6T/Cu.m with standard jaw liners. Lower capacity indicated are for hard stone and higher capacity are medium hard stone. However, they may vary based on type of feed material, gradation of feed, type of feeding, clay and moisture content, bulk density and fractured properties of feed material. Continuous development in the design and construction techniques may result in changes. We reserve the right to make any alteration or modification which we feel as an improvement. Please consult Puzzolana for latest information.CSS of minimum size is based on rock properties

CONE CRUSHER G-TYPE

- Robust design with high reliability for heavy duty and continuous operations
- High performance with lowest total cost
- Eco-friendly design with world class manufacturing process to generate efficient output
- Automatic tramp iron release system
- Roller bearings / automatic oil lubrication system
- Instant crusher gap setting arrangement through main shaft control system
- Easy to handle and maintain

Capacity Chart

Model No.	Motor Power Rating in kW	Normal Feed Opening in mm	Normal CSS RANGE IN MM (Min/Max)	Capacity Range in T.P.H(Min/Max)
PGC 3392	132-160	330	35 - 50	170 - 300
PGC 45120	200-250	450	40 - 60	250 - 520

Note: The minimum CSS setting is decided by the chamber selection (extra coarse/coarse/medium) and operating conditions.

The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

CONE CRUSHER H-TYPE

- Robust design with high reliability for heavy duty and continuous operations
- High performance with lowest total cost
- Eco-friendly design with world class manufacturing process to generate efficient output
- Automatic tramp iron release system
- Roller bearings / automatic oil lubrication system
- Instant crusher gap setting arrangement through main shaft control system

Capacity Chart

Model No.	Motor Power Rating in KW	Crushing Chamber Type	Normal Feed Opening in mm	Normal CSS Range in mm (Min/Max)	Capacity Range in T.P.H (Min/Max)
PCC 0672	55 - 75	FINE	60	10 - 16	30 - 50
PCC 1072		MEDIUM	100	13 - 19	40 - 60
PCC 1472		COARSE	140	16 - 22	50 - 75
PCC 0882	75 - 110	FINE	80	10 - 16	50 - 75
PCC 1182		MEDIUM	110	13 - 19	60 - 90
PCC 1582		COARSE	150	19 - 25	75 - 120
PCC 0992	90 - 132	FINE	90	13 - 19	65 - 120
PCC 1592		MEDIUM	150	16 - 25	90 - 190
PCC 1992		COARSE	190	19 - 32	125 - 220
PCC 11100M	110 - 160	FINE	110	16 - 22	100 - 180
PCC 16100		MEDIUM	160	19 - 25	130 - 220
PCC 22100M		COARSE	220	19 - 32	140 - 260
PCC 10110	160 - 200	FINE	100	16 - 22	125 - 205
PCC 18110		MEDIUM	180	19 - 25	160 - 250
PCC 26110		COARSE	260	22 - 38	200 - 350
PCC 11120	220 - 250	FINE	110	16 - 22	150 - 230
PCC 16120		MEDIUM	160	19 - 25	200 - 290
PCC 25120M		COARSE	250	25 - 38	280 - 370
PCC 28120M		EXTRA COARSE	280	25 - 42	295 - 420
PCC 30125	220 - 250	EXTRA COARSE	300	32 - 45	350 - 520
PCC 25130	220 - 250	COARSE	250	25 - 38	300 - 400
PCC 34130		EXTRA COARSE	340	32 - 50	350 - 570
PCC 13150	315 - 355	FINE	130	19 - 32	370 - 490
PCC 20150		MEDIUM	200	22 - 38	420 - 550
PCC 33150M		COARSE	330	25 - 42	470 - 600
PCC 40150		EXTRA COARSE	400	32 - 50	520 - 650
PCC 45170	315 - 355	COARSE	450	32 - 50	520 - 675

Note: The minimum CSS setting is decided by the chamber selection (extra coarse/ coarse/medium) and operating conditions.
The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6Ton/Cu.M.
Actual capacity will vary depending on the type of material, feed graduation, moisture content and other site specific operating conditions.

FIXED SHAFT CONE CRUSHER

- Higher reduction ratio and productivity
- Antifriction Bearings hold tolerances for reliable performance through their life
- Improved wear life of liners
- Reduction in down time for change of wear parts – by quick removal of Pins at cylinder end
- Fast setting adjustment on load condition with Hydraulic powered Threaded Upper assembly (or) Hydraulic sensor
- Efficient tramp release cylinders with dual acting features –Easy clearing of tramp/ Jammed material

PFSCH

PFSC

Capacity Chart

Models(*)	Feed Opening	CSS Range	Capacity Range	Motor Power
	max	mm	TPH (**)	KW
PFSCH 100	235	13 - 30	80 - 210	160
PFSCH 110	300	16 - 40	140 - 280	220
PFSCH 115	265	13 - 40	160 - 310	220
PFSC 120	350	10 - 50	120 - 490	220
PFSC 140	410	10 - 50	130 - 575	315

Note: The minimum CSS setting is decided by the chamber selection (extra coarse/coarse/medium) and operating conditions.
The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6Ton/Cu.m.
Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

VERTICAL SHAFT IMPACT CRUSHER

- Efficient lubrication system / quick clamping feature
- Simple maintenance, well designed antifriction bearing arrangement
- Crushing chamber in two designs: Rock on Metal & Rock on Rock
- Best suited to produce high quality cubical products, pre-milling and to generate ample fines

Capacity Chart

Model No	Feed Size in mm	No.of Ports	Capacities(T/H) (Min-Max)*	Power KW	Maximum Tip Velocity (m/s)
PMVSI 500	20-25	4	50-90	45-75	45-60
PMVSI 600	20-25	4	70-130	75-132	45-60
PMVSI 700 MDR	20-25	3/4	120-160	132-160	45-60
PMVSI 750 MDR	25-40	3/4	160-250	160-220	45-60
PMVSI 800 MDR	25-40	3/4	250-300	250-315	45-60
PMVSI 850 MDR	25-45	3/4/5	300-350	315-370	45-60
PMVSI 900 MDR	25-45	3/4/5	350-400	320-440	45-60
PMVSI 950 MDR	25-45	3/4/5	420-500	440-500	45-60

Note: Capacity figures are indicative for material of 1.6 T/Cu.M bulk density. Actual figures may vary depending on type of feed material, gradation of feed, clay and moisture content and fracture property of feed material.

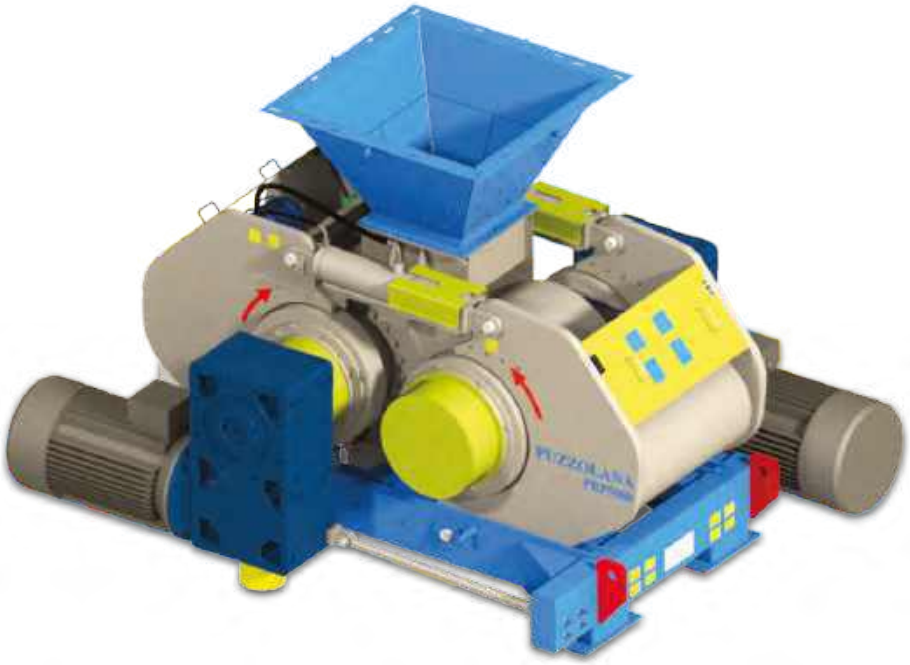
Maximum feed size, through put and power requirement dependent on actual feed material, product requirements, material abrasiveness and strength properties.

VSI Capacity & Product quality will depend on Feed Material Characteristics and Feed Gradation to circuit. Feed quality should not be slabby / laminated and Elongation & Flakiness should be less than 40% in the feed to VSI circuit. No Guarantee from PMF on

Product Shape & Gradation. Its meeting NHAI or any other product specifications / quality requirement. 10-15%under size in oversize & oversize In under size will be present in all products 0-5mm needs classification and has to be installed by customer at his Cost if required

ROLL PRESS

- Automatic roll gap adjustment
- Flanged roller to ensure constant crushing pressure
- Constant operating pressure through hydraulic system
- Efficient torque control between both roller drives ensuring equal load sharing and uniform wear



Capacity Chart

Model No	Roller Diameter in mm	Roller Width in mm	Power in kW	Roller Speed* (RPM)	Crushing Pressure* (N/mm)	Top Size in mm	Capacity** (TPH) (Min/Max)
PRP 5080	800	500	2 x 75	28.8	2.5	32	60/80
PRP 65105	1050	650	2 x 132	25.8	4.5	36	100/120

Note: The capacity and parameters indicated in the above chart are approximate and subjected to change with latest versions.

Continuous development in the design and construction techniques ,may result in changes .

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* Variable

** For Sand production

SANDER

- Indigenously designed and developed sand crusher to meet the increased demand/requirements of fine aggregates
- Operates at low CSS 6-20mm
- Produces 150 microns percentage within the specified limits of Indian standards

Capacity Chart

Model No	Motor Power Rating in kW	Normal Feed Opening in mm	Throughput capacities in T.P.H at closed side setting in mm					
			6	8	10	12	15	20
SANDER 92	132	60	55-75	65-95	70-110	80-115		
SANDER 100	185	60		75-110	90-130	100-150	110-160	
SANDER 110	200	60		100-130	105-150	115-165	130-185	
SANDER 120	220	60			120-170	130-180	150-210	180-250

Note: The minimum CSS setting is decided by the chamber selection (extra coarse/coarse/medium) and operating conditions.

The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

PLASTER SANDER

- Indigenously designed and developed Plaster Sand Crusher
- Operates at low CSS 3-8mm
- Sand for plastering applications

Capacity Chart

Model No	Motor Power Rating in kW	Normal Feed opening in mm	Throughput capacities in T.P.H at closed side setting in mm		
			3	5	8
PLASTER SANDER 03100	185	30	40-55	65-90	85-125
PLASTER SANDER 03110	200	30		70-95	90-135
PLASTER SANDER 04120	220	40		80-105	100-150

Note: The minimum CSS setting is decided by the chamber selection (extra coarse/coarse/medium) and operating conditions.

The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

GRIZZLY FEEDER

- Primary application with high capacity dump load
- Customized versions to suit different applications
- Lower power consumption
- High scalping capacity

Capacity Chart

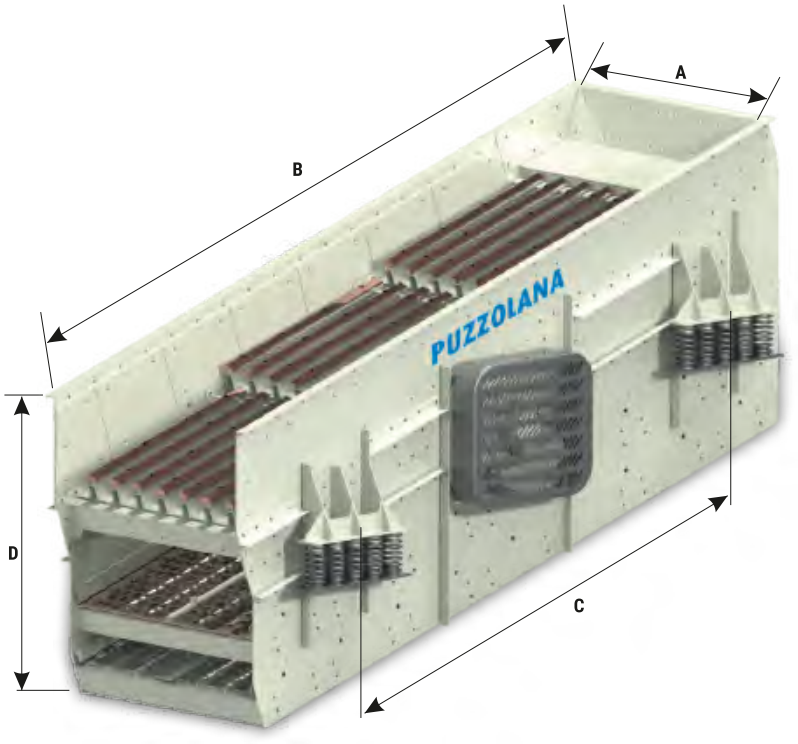
Model No.	Width in (mm)	Length in (mm)	Capacity in TPH	Power in KW
PGF 830	800	3000	100	2 x 3.0
PGF 1039	1000	3900	175	2 x 3.8
PGF 1142	1100	4200	250	2 x 4.3
PGF 1545	1500	4500	350	2 x 8
PGF 1650	1600	5000	600	2 x 8.5

Note: Capacity figures are indicative for material of 1.6T/Cu. M bulk density and considering horizontal position.

Actual figures may vary depending on type of feed material, feeder inclination, gradation and size of feed rock, clay and moisture content.

GRIZZLY SCREEN

- Available in 2/3 – deck construction
- Specially designed self-aligning double-row spherical bearings
- Robustly designed circular-motion screens for heavy duty scalping operations
- Easy accessibility to drive, screen deck beams & wear plates for maintenance



Dimension Chart

Model No	Power rating in kw	A	B	C	D
PGS 1550 - 3D	22	1500	5180	3430	1975
PGS 1850 - 2D	30	1800	5330	3535	1750
PGS 1850 - 3D	37	1800	5180	3430	2050
PGS 2150 - 2D	47	2100	5330	3535	1750

Note: Dimensions are intended only as a guide for preliminary planning of the layout and should not be used for the construction of foundation etc.,

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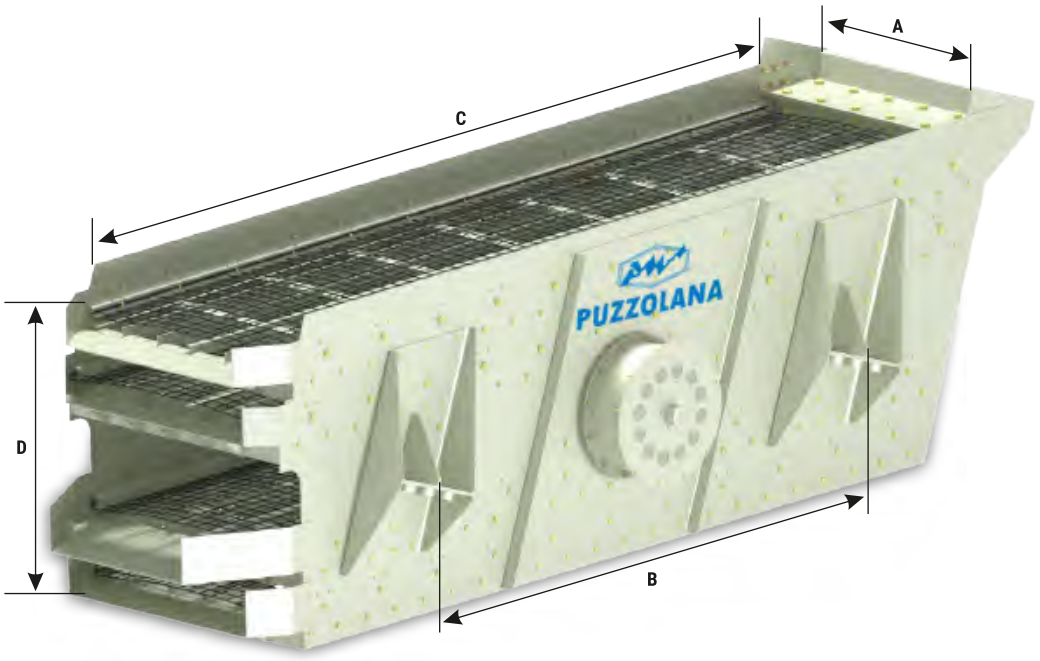
For installation and foundation separate general arrangement drawing can be furnished on request

VIBRATING SCREEN

- Vibrating screens for sizing, scalping, de-watering etc
- Optimum designs as per customer requirement irrespective of grain size
- Custom built design and ensures high performance in aggregate & mining industries
- Better screening with stress analysis and effectively designed mesh tensioning system



Dimension Chart

Model No.	Motor Power (kW)			A	B			C			D		
	2 Deck	3 Deck	4 Deck		2 Deck	3 Deck	4 Deck	2 Deck	3 Deck	4 Deck	2 Deck	3 Deck	4 Deck
PVS 1240	11	11	-	1220	2505	2505	2505	4130	4135	-	1315	1695	-
PVS 1545	15	22	22	1520	2820	2820	2820	4620	4620	4620	1240	1650	2050
PVS 1845	15	22	22	1820	2820	2820	2820	4620	4620	4620	1240	1650	2050
PVS 2060	22	22	22	2020	3524	3524	3524	6110	6110	6110	1350	1800	2300
PVS 2460	22	30	37	2420	3524	3759	3524	6160	6145	6150	1470	1980	2460

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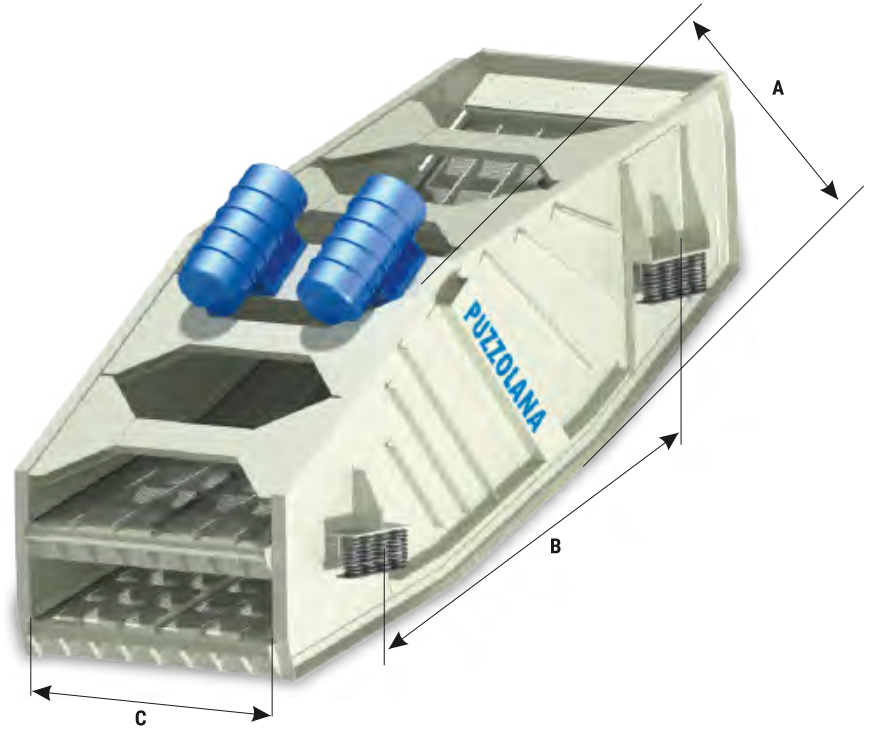
HIGHSPEED SCREEN

- Linear Vibration with high G force with unbalanced motor
- Improved efficiency in sizing material due to formation of a thin bed depth
- Suitable for very fine separation



Dimension Chart

Model No.	Motor Power(kW)	A	B	C
PHSS 1542 1D	2 x 5.5	1100	2725	1500
PHSS 1542 2D	2 x 8	1670	2630	1500
PHSS 1860 1D	2 x 8	1443	3580	1800
PHSS 1860 2D	2 x 13	2104	3550	1800
PHSS 2160 2D	2 x 18.7	2108	3627	2100
PHSS 2160 3D	4 x 12.85	2936	3453	2100
PHSS 2460 1D	2 x 9.8	1509	3640	2400
PHSS 2460 2D	2 x 18.7	2230	3625	2400
PHSS 2460 3D	4 x 12.85	2877	3450	2400

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P-TECH SCREEN

- Efficient removal of silt or fines
- Screening upto 150 microns in dry condition
- Handles high moisture in Coal/Petcoke application

Dimension Chart

Model No.	Screening Area (Sq.Mts)	Inclination	Power (kW)	No.of Decks
PTS 2156	11.9	15°/18°	15	SINGLE
PTS 2169	14.5	15°/18°	22	SINGLE
PTS 2182	17.1	15°/18°	30	SINGLE
PTS 2195	19.8	15°/18°	37	SINGLE
PTS 25100	25	15°/18°	45	SINGLE
PTS 30100	30	15°/18°	55	SINGLE

Note: Feeding capacity depends on the moisture & bulk density of material. Please consult Puzzolana for latest information.

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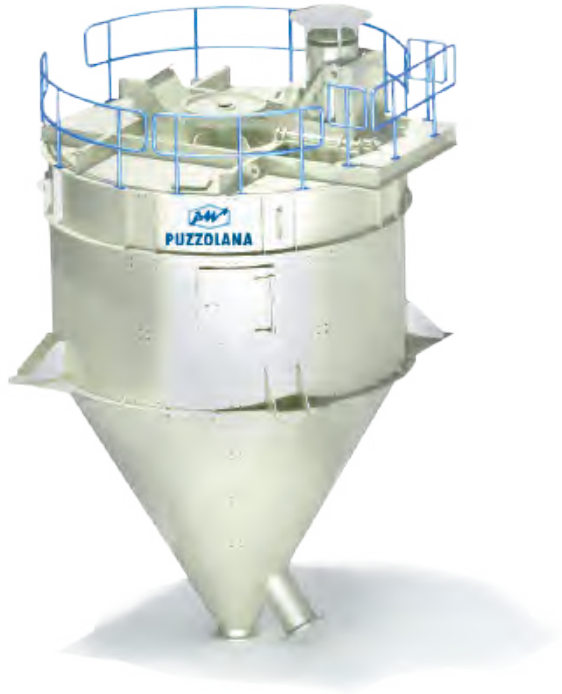
DRY CLASSIFIER

- Impeller built with wear resistant material and generate whiriling air circulation action
- No external pneumatic air blowing system
- Dry separation of 150 microns from sand (-) 4.75mm, percentage of (-) 150 microns can be controlled with variable speed drive



Capacity Chart

Model	Dimensions		Motor	Feed	Capacity
	A-Dia (mm)	B-Height (mm)	(kW)	Size (mm)	TPH
PDFC 12	4270	7772	75	0-5	75
PDFC 16	4900	8776	110	0-5	110
PDFC 18	5510	9644	132	0-5	180
PDFC 20	6120	10808	2 X 160	0-5	220

Note: The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

BUCKET WHEEL TYPE CLASSIFIER

- Effectively reduce (-) 150 microns percentage in sand
- Replaceable polyurethane mesh for buckets and screen deck
- Variable speed control
- Low power consumption

Technical Specifications

Model	PBC 2800	PBC 3200	PBC 3800
Bucket wheel diameter (mm)	2800	3200	3800
Bucket width (mm)	600	650	650
Number of buckets	14	16	22
Screw diameter (mm)	2200	2400	3000
Capacity (Max. TPH)	60-100	80-140	100-160
Water requirement (Cu. M/hr)	80-90	90-100	100-115
Motor power (kW)	7.5	11.0	15.0
Dewatering screen size (LXW) mm	2200 x 1200	2400 x 1600	3000 x 1800
Motor power for Dewatering screen (kW)	1.7 x 2 nos	2.3 x 2 nos	5.5 x 2 nos

Note: The capacity figures indicated in the chart are approximate total through put based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

HYDRO CYCLONE CLASSIFIER

- Designed for removal of silt material/ ultra fines(-) 150microns from sand
- Compact, simple and swift in operation
- Accurate cut point by cyclone

Technical Specifications

Model No	Capacity TPH	Water Requirement Cum/hr	De Watering Screen			Slurry Pump		Hydro Cyclone Size Dia mm
			Size mm	R.P.M	Power kW	Size	Power kW	
PHC - 80	80	200 - 210	1800 W x 3000 L	1000	2 X 3.8	6/4	37	500
PHC - 100	100	200 - 250	1800 W x 4000 L	1000	2 X 5.5	8/6	45	600
PHC - 150	150	300 - 400	1800 W x 4000 L	1000	2 X 6.2	8/6	45	600
*PHC - 200	200	400 - 475	1800 W x 4000 L x 2	1000	(2 X 6.2) X 2	8/6	75	2 X 600
*PHC - 250	250	500 - 550	2400 W x 3000 L x 2	1000	(2 X 11) X 2	10/8	75	2 X 600

* The picture shown above with two cyclones and screens is for these models others will have one screen and hydrocyclone

Note: The capacity figures indicated in the above chart are approximate and are subject to change with latest versions

Total throughput capacity based on the continuous regular feed having bulk density of 1.6 Ton/Cu.M.

Actual capacity will vary depending on the type of material, feed gradation and other site specific operating conditions.

THICKENER

- Rigid body with bolted construction
- Automatic PLC controlled operation
- Automatic De-Sludge facility
- Back wash flushing system
- Flocculent dosing system
- Rake operation (rotating & lifting) by hydraulic system
- Up to 95% process water re-usable

TECHNICAL SPECIFICATIONS

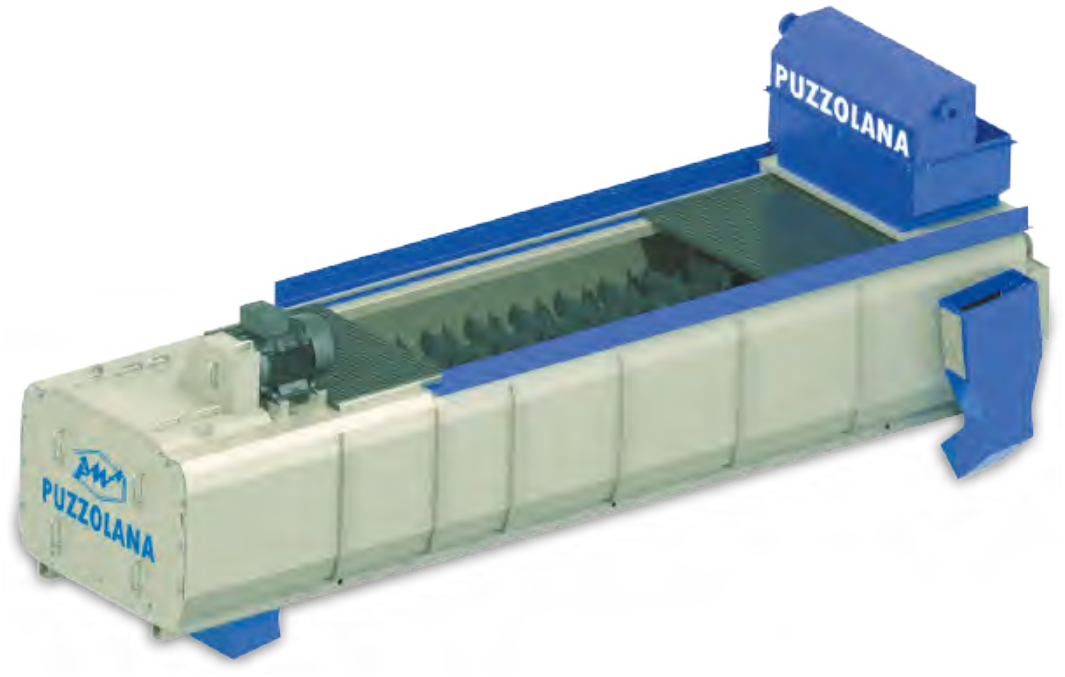
Model No	PCT - 10	PCT - 15	PCT - 20	PCT - 30	PCT - 40
Shell Diameter	Dia 6.0 M	Dia 8.0 M	Dia 10.0 M	Dia 12.0 M	Dia 14.0 M
Feed Capacity	70 - 100 TPH	100 - 150 TPH	150 - 200 TPH	200 - 300 TPH	300- 450 TPH
Sludge Flow Rate	8 - 10 TPH	12 - 20 TPH	18 - 25 TPH	22 - 35 TPH	35 - 50 TPH
Sludge Pump	3/2	4/3	5/4	6/4	6/4
Sludge Pump Power	11 kW	15 kW	22 kW	30 kW	30 kW
Water Holding Capacity	80000 LTS	140000 LTS	200000 LTS	300000 LTS	400000 LTS
Rake Rotation & Lifting	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Floculent Feeding System	Multi Point	Multi Point	Multi Point	Multi Point	Multi Point

Note: The capacity and parameters indicated in the above chart are approximate and subjected to change with latest versions.

Actual capacity will vary depending on the type of material, feed gradation, moisture content and other site specific operating conditions.

LOG WASHER

- Single layer heavy steel plate body
- Reinforced extra rigid body bottom
- Extra thick heavy single piece pipe shafts with flanges
- Paddles are designed to withstand the abrasion resistance
- Dual outputs with single drive through gear unit
- Bottom body doors for easy clean out



Technical Specifications

Model No	PLW-75	PLW-100	PLW-140
Size (L x W x H) mm	6800 x 1710 x1150	7730 x 1980 x 1300	8600 x 2250 x 1500
Max Capacity	50-75 TPH	75-100 TPH	100-140 TPH
Feed Material Size	80 mm	100 mm	100 mm
Speed	18 - 20 RPM	20 - 22 RPM	22 - 24 RPM
Paddle Dia (Tip to Tip)	780 MM	850 MM	1050
No. Paddles	108	124	134
Power @1500 RPM	45 KW	55 KW	90 KW
Water Requirement	20 - 30 CUM/HR	30 - 40 CUM/HR	40 - 50 CUM/HR

Note: Specifications and data may change due to manufacturing updates

SPEED BHARATH PRIMARY - PSBJ

- Modular Design
- Quick setup time
- Ease of transport
- Ease of maintenance
- Minimum Civil work

Technical Specifications

Model No.	Transport Dimensions (LXWXH) (mm)	Feeder				Jaw Crusher				
		Model	Size (LXW)(mm)	Bulk Density (T/Cu.m)	Power Input (kW)	Model	Feed Opening (mm)	Max. Feed Size (mm)	Drive Motor (kW)	Capacity (TPH)
PSBJ4432	12200 X 3000 X 4500	PGF - 1142	4200 X 1100	1.6-1.8	2 X 4.3	PJC-4432	1115 X 815	650	110	220
PSBJ11076	12200 X 3000 X 4500	PGF - 1142	4200 X 1100	1.6-1.8	2 X 4.3	PJC-11076	1100 X 760	625	132	250

Note: The capacity figures and specifications are subjected to change with latest versions

SPEED BHARATH SECONDARY-PSBC

- Modular Design
- Quick setup time
- Ease of transport
- Ease of maintenance
- Minimum Civil work

Technical Specifications

Model No.	Transport Dimensions (LXWXH) (mm)	VIBRATING SCREEN				CONE CRUSHER				
		Model	No.of Decks	Screen Size (mm)	Motor Power (kW)	Model	Mantle Dia (mm)	Feed Opening (mm)	Power (kW)	Capacity
PSBC1020	13600 X 2820 X 4900	PMVS 1860 - 4D	4	1800 X 6000	22	PCC 22100	1000	220	160	220
PSBC1125	13600 X 2820 X 4900	PMVS 1860 - 4D	4	1800 X 6000	22	PCC 26110	1100	260	200	250

Note: The capacity figures and specifications are subjected to change with latest versions

SPEED BHARATH TERTIARY-PSBV

- Modular Design
- Quick setup time
- Ease of transport
- Ease of maintenance
- Minimum Civil work

Technical Specifications

Model No.	Transport Dimensions (LXWXH) (mm)	VIBRATING SCREEN				VSI CRUSHER				
		Model	No.of Decks	Screen Size (mm)	Motor Power (kW)	Model	Feed Size (mm)	Table Size (mm)	Motor Power (kW)	Capacity (TPH)
PSBV750MDR	14200 X 3000 X 5500	PMVS 1860 - 4D	4	1800 X 6000	22	PMVSI 750MDR	35	775	185 - 220	185 - 220
PSBV800MDR	14200 X 3000 X 5500	PMVS 1860 - 4D	4	1800 X 6000	22	PMVSI 800MDR	40	825	250 - 315	200 - 250

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE JAW PTJ SERIES

- Reliable high performance
- Low operating and maintenance costs
- Excellent reduction capability
- Heavy duty wear resistant hydraulic folding hopper
- Feed hopper with wedge locking system
- Dirt Conveyor
- Radio remote for tracking
- Piping and nozzles for connecting external dust suppression system
- Grid power connectivity

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Hopper Cu.M	Grizzly Feeder	Jaw Crusher	CSS Adjustment	Power Unit	Discharge Conveyor (W x H)(mm)	Belt Conveyors (W x H)(mm)	Under Carriage
PTJ 1065	13700 X 2580 X 3600	6.0	VGF1135	1000mm X 650mm Motor: 110kW	Hydraulic	200 kVA Diesel Electric	1000 X 2520	500 X 2160	400mm
PTJ 1170	13800 X 3500 X 3565	7.6	VGF1142	1100mm X 700mm Motor: 110kW	Hydraulic	250kVA Diesel Electric	1000 X 3610	650 X 2110	400mm
PTJ 1176	15000 X 3455 X 4010	7.6	VGF1142	1100mm X 760mm Motor: 132kW	Mechanical/Hydraulic	250kVA Diesel Electric	1000 X 3240	500 X 2445	400mm
PTJ 1476	15000 X 3500 X 4120	7.6	VGF1342	1400mm X 760mm Motor: 160kW	Mechanical/Hydraulic	320kVA Diesel Electric	1200 X 3380	800 X 2980	500mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE CONE PTC SERIES

- Low operating and maintenance costs
- Reliable high performance cone crusher
- Hydraulic CSS adjustment
- High output excellent reduction capability
- Radio remote for tracking
- Metal detector
- Grid power connectivity
- Piping and nozzles for connecting external dust suppression system

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Hopper Cu.M	Cone Crusher	Power Unit	Feed Conveyor (W x L)(mm)	Discharge Conveyor (W x H)(mm)	Under Carriage
PTC 1000	15200 X 3300 X 4400	5	Model: PCC22100 Feed Opening: 220mm CSS Range: 19-32mm Motor: 160 kW @ 1500 RPM	320kVA Diesel Electric	1000 X 6835	1000 X 3400	400mm
PTC 1125	15200 X 3300 X 4400	5	Model: PCC 26110 Feed Opening: 260mm CSS Range: 22-38mm Motor: 200 kW @ 1500 RPM	320 kVA Diesel Electric	1000 X 6835	1000 X 3400	400mm
PTC 100S	15200 X 3300 X 4400	5	Model: Sander 100 Feed Opening: 60mm CSS Range: 6-12mm Motor: 185 kW @ 1500 RPM	320 kVA Diesel Electric	1000 X 6835	1000 X 3400	400mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE CONE PTC SERIES

- Fast setting adjustment with Hydraulic powered threaded upper assembly / Hydraulic sensor
- Antifriction bearings hold tolerances for reliable performance through their life
- Reduction in down time for change of wear parts - by quick removal at Pins at cylinder end
- Efficient tramp release cylinders with dual acting features - Easy clearing of tramp / Jammed material
- Metal detector & Radio remote for tracking
- Grid power connectivity
- Piping and nozzles for connecting external dust suppression system

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Hopper Cu.M	Cone Crusher	Power Unit	Feed Conveyor (W x L)(mm)	Discharge Conveyor (W x H)(mm)	Under Carriage
PTC 1200	15200 X 3300 X 4400	5	Model: PFSC120 Feed Opening: 235mm CSS Range: 16-40mm Motor: 200 kW @ 1500 RPM	320kVA Diesel Electric	1000 x 6835	1000 X 3400	400mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE VSI PTV SERIES

- Low operating and maintenance costs
- Reliable high performance vertical shaft impact crusher
- High output excellent reduction capability
- Quality products due to Rock on Rock crushing
- Rock on metal crushing
- Radio remote for tracking
- Ready for Grid power connectivity
- Piping and nozzles for connecting external dust suppression system

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Hopper Cu.M	VSI Crusher	Power Unit	Feed Conveyor (W x L)(mm)	Discharge Conveyor (W x H)(mm)	Under Carriage
PTV 750	15200x3300x4400	5	Model: PMVSI750MDR Power: 220kW @ 1500 RPM	320kVA Diesel Electric	1000 x 6835	1000 X 3400	400mm
PTV 840	15200x3300x4400	5	Model: PMVSI840 Power: 220kW @ 1500 RPM	320kVA Diesel Electric	1000 x 6835	1000 X 3400	400mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE IMPACT CRUSHER

- Suitable for Quarrying , Recycling and Demolition application
- Impact Crusher with mechanical overload protection
- 4 Bar full size manganese steel rotor with twin apron
- Feed hopper with wedge locking system
- Crusher Drive through Hydraulic clutch & belt drive system
- Mechanical CSS adjustment
- Full length conveyor under crusher as standard
- Dirt conveyor
- Radio Remote for tracking
- Piping & nozzles for connecting external dust suppression system
- Grid power connectivity option for track and conveyor as standard
- Optional Pan Feeder for recycling operations

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Hopper Cu.M	Impactor Crusher	Power Unit	Scalping Conveyor (W x L)(mm)	Discharge Conveyor (W x H)(mm)	Under Carriage
PTI 1313	1500 X 3550 X 3800	7	Twin apron, 4 bar impact crusher Feed Opening: 1400mm x 840mm Minimum CSS Setting: 75mm(Upper) - 35mm(Lower)	450 HP@ 1800 RPM Diesel	800 X 2410	1200 X 2970	400mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE SCREEN PTS SERIES

- 3/4 deck screen box
- High capacity upto 500TPH
- Low operating and maintenance costs
- Maximum feed size 150 mm
- Hydraulically folding conveyors for transport
- Fines conveyor drop down facility to aid bottom deck mesh access
- Radio remote for tracking
- Ready for Grid power connectivity
- Piping & nozzles for connecting external dust suppression system

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Power Unit	Screen Unit	Main Conveyor Width in mm	Mid Oversize Conveyor (W x H)(mm)	Mid Oversize Conveyor (W x H)(mm)	Mid Oversize Conveyor (W x H)(mm)	Oversize recirculation Conveyor (W x H)(mm)	Tail Conveyor (W x H)(mm)	Under Carriage
PTS 1552 - 3D	12700 X 3500 X 3650	100 kVA Diesel Electric	5200mm X 1530mm 3 Deck Electric Motor- 22kW 1500RPM	1000	650 x 4800	650 x 4800	650 x 4800	650 x 4560	1000 x 4100	400mm
PTS 1860 - 4D	14850 X 3425 X 4200	120 kVA Diesel Electric	6100mm X 1800mm 4 Deck Electric Motor- 22kW 1500RPM	1200	650 x 4800	650 x 4800	650 x 4800	650 x 4560	1200 x 4200	500mm

Note: The capacity figures and specifications are subjected to change with latest versions

MOBILE SCREEN PTSG SERIES

- 3 deck screen box
- High capacity upto 500TPH
- Low operating and maintenance costs
- Hydraulically folding conveyors for transport
- Fines conveyor drop down facility to aid bottom deck mesh access
- Radio remote for tracking
- Grid power connectivity
- Tipping grid / Feed Hopper /2 deck vibrating grid as options
- Optional Hydraulic power pack

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Power Unit	Screen Unit	Main Conveyor Width in mm	Mid Oversize Conveyor (W x H)(mm)	Mid Undersize Conveyor (W x H)(mm)	Oversize recirculation Conveyor (W x H)(mm)	Tail Conveyor (W x H)(mm)	Under Carriage	Ready for Grid Power
PTSG 1552-3D	17050x3550x3700	100 kVA Diesel Electric	5200mm X 1530mm 3 Deck Electric Motor- 22kW 1500RPM	1000	650 x 4480	650 x 4480	650 x 4880	1000 x 4100	400mm Track Width Hydraulic Drive	Yes
PTSG 1560-3D	18890x3000x3650	170 HP Diesel	6100mm X 1530mm 3 Deck Hydraulic Motor	1050	800 x 4960	800 x 4960	650 x 4420	1000 x 4100	400mm Track Width Hydraulic Drive	No

Note: The capacity figures and specifications are subjected to change with latest versions

TRACK CONVEYOR PCT-65 & 80

- High capacity upto 400 TPH
- Low operating and maintenance costs
- Maximum feed size ~300 mm
- Hydraulically folding conveyors for transport
- Grid power connectivity as standard option

Technical Specifications

Model No.	Dimensions (LXWXH) (mm)	Power Unit	Conveyor (LXWXH) (mm)	Under Carriage
PCT 65	11000x2330x2400	45 kVA Diesel Electric	22000x1000x9150	400mm
PCT 80	12090x2330x2400	45kVA Diesel Electric	23500x1000x10600	400mm

Note: The capacity figures and specifications are subjected to change with latest versions

Mining Machinery Range

HORIZONTAL IMPACTOR

- Rugged Construction suitable for Primary and Secondary application
- Blow bar or Beater edges suited for hard materials like basalt and granite
- Extremely sturdy and all the parts are easily accessible for quick maintenance
- High utilization of breaker bars and can be quickly reversed or replaced
- Rotor fabrication is well balanced to minimize vibrations and to avoid uneven loads on the bearings

Technical Specifications

Model No.	Rotor dia in mm	Rotor width in mm	Capacity in T/H (Min/Max)	Power in kW
PHSI 08/09	800	900	65-125	55-110
PHSI 10/10	1000	1000	80-150	75-130
PHSI 10/12	1000	1000	120-200	110-200
PHSI 12/12	1200	1200	140-250	132-200
PHSI 14/15	1400	1400	200-500	160-220
PHSI 16/16	1600	1600	350-580	220-300
PHSI 18/18	1800	1800	480-720	300-500
PHSI 20/20	2000	2000	720-990	500-750
PHSI 22/22	2200	2200	900-1200	750-1100

Note: The Capacity and parameters indicated in the above chart are approximate and subjected to change with latest versions

HAMMER MILL

- Best Suited for Limestone, Coal, Gypsum and softer ores
- Reliable performance and increased output
- Rugged design and construction
- Suitable for secondary and tertiary applications

Technical Specifications

Model No.	Rotor dia in mm	Rotor width in mm	Capacity in T/H (Min/Max)	Power in kW
PIH 1010	1000	1000	75-120	55-75
PIH 1212	1200	1200	100-160	75-132
PIH 1414	1400	1400	140-250	110-160
PIH 1616	1600	1600	190-380	132-320
PIH 1818	1800	1800	220-430	160-350
PIH 2020	2000	2000	320-640	220-400
PIH 2525	2500	2500	600-1200	550-1000
PIH 2630	2600	3000	1400-2000	1200-1800

Note: The Capacity and parameters indicated in the above chart are approximate and subjected to change with latest versions

APRON FEEDER

- Rugged design offers reliable operation & high uptime
- Drive system-Electrical/Mechanical/Hydraulic to match the duty
- Large antifriction spherical bearings for long life
- Standard under carriage components

Technical Specifications

Model No	Pan Width (mm)	Length (mm)	Power (kw)	Capacity (m^3/h)
PAF16	1600	4000-12000	18-90	200-1000
PAF18	1800	4000-12000	22-110	220-1200
PAF22	2250	4000-15000	30-132	350-2000
PAF24	2400	4000-15000	30-160	400-2500

Note: Specifications and data may change due to manufacturing updates

FEEDER BREAKER

- Rugged semi mobile skid mounted horizontal roll crusher plant along with heavy duty link chain
- Robust drum type crusher roll design with adjustable height gap which helps to achieve variable product size from (-)100mm to (-)250mm
- Customized flight bar spacing & pick lacing helps to achieve two dimensional sizing control
- Direct feeding of coal with dumpers
- Chain conveyor with reversible feature
- Centralized lubrication system
- Can be combined with secondary sizer & double roll crusher for secondary size reduction

Options:

- Pedestal mounted rock breaker
- Apron feeder instead of chain conveyor

Technical Specifications

Model No.	Dimensions (LXBXH) (mm)	Crusher Speed	Number of Picks	Drum Width	Pick Type	Crusher (kW)	Hopper Capacity (cu.m)	Conveyor(kW)	Input size (mm)	Output sizes (mm)	Crushing Capacity(TPH)
PFB 200	10250x4900x3300	90	104	1450	Tungsten Carbide	160	30	90	1500x1200x1200	(-) 100/150/ 200/250	upto 600*
PFB 200X	10250x4900x3300	90	104	1450	Tungsten Carbide	160	60	90/160	1500x1200x1200		upto 600*

Note: Depends on input feed & output product size

SECONDARY SIZER

- Primary & Secondary crushing of soft and medium hard materials like Coal, Gypsum, Bauxite etc
- The sizer delivers well-sized output (>95%) for cost-effective operating costs
- Handle a large variety of materials like Coal, Limestone, Chalk, Clay and also very wet/sticky and hard materials
- Different output sizes and production rates can be obtained by adjusting the roll and teeth configuration

Capacity Chart

Model No.	Application	Diameter	Length in (mm)	Power	Max Capacity in (TPH)	Feed Size in (mm)	Output Size in (mm)
PS 1200 x 1200	Primary	1200	1200	200 x 2	600	800	150
PS 76400	Secondary	860	4000	250 x 2	480	150	25
PS 76250	Secondary	860	2500	110 x 2	250	150	25

Note: Customised options available for other capacities

SURFACE MINER

- Robust chassis frame & cutting drum design
- Powerful engine for fuel efficient & reliable operation
- Auto levelling system & machine depth monitoring system
- Automatic lubrication system & dust suppression system
- CAN based electronic control system
- Capacities upto 1500TPH for coal

Technical Specifications

Model No.	Machine Dimensions (LXBXH) (mm)	Cutter Width (mm)	Engine	Milling Drum			Tank Capacities		
				Cutting Width	Max. Depth of Cut	Drum Diameter	Fuel Tank	Hydraulic Oil	Water Tank
PMM2205	10250x4900x3300	4000	Cummins, 905-950HP	4000mm	300mm	1200mm	~1500L	1200L	4000L
PMM 2205X	10250x4900x3300	4000	Cummins, 1140HP	4000mm	300mm	1200mm	~1500L	1200L	4000L
PMM 2205T	10250x4900x3300	3000/4000	Cummins,950HP Tier 2	4000mm	300mm	1200mm	~1500L	1200L	4000L

Note: The capacity figures and specifications are subjected to change with latest versions

ROAD PAVER

- Optimal material management ensures flawless paving quality
- Ergonomic Console
- Synchronised conveying and spreading of mix for consistent paving quality
- Shorter setup time
- Operating comfort

Technical Specifications

Paver Model No	Overall Dimensions (mm)			Max paving Width (mm)	Paving Capacity (TPH)	Max paving Thickness (mm)	Paving Speed (m/min)	Transport Speed (km/hr)	Engine Capacity (kW)
	Width	Length	Height						
P 2575	2550	6100	3700	7500	600	250	0-24	0-5 km / hr	118
P 3100	2550	6100	3700	10000	700	300	0-24	0-5 km / hr	168

Note: The capacity figures and specifications are subjected to change with latest versions

ROAD MILLER

- Coarse milling drum for full depth cutting
- Heavy duty discharge conveyor
- Depth adjustment & auto levelling system Moba matic wire rope sensors + slope sensors
- Convenient Control Panel with - CAN based HMI keypad and LCD display

Technical Specifications

Model No	Engine	Max Gradebility	Max Depth (mm)	Max Speed (kmph)	Cutter Diameter(mm)	Weight (Tonne)	Wheel Size (mm)	Tank Capacity (Ltr)			Discharge Conveyor Width (mm)
								Diesel	Hydraulic	Water	
PRM 1000	Ashok Leyland H6 167 kW@2300 RPM	63% in milling gear	250	0-2.3 in milling, 0-7.5 in travel	860	17	660x250	400	120	600	500
PRM 1300	Ashok Leyland H6 167 kW@2300 RPM	63% in milling gear	300	0-2.3 in milling, 0-7.5 in travel	930	17	660x250	400	120	600	500

Note: The capacity figures and specifications are subjected to change with latest versions

Authorized Distributor

AIRINDO SAKTI

PT AIRINDO SAKTI - Head Office
Jl. Raya Tanjung Barat No. 85, Tanjung Barat, Jagakarsa, Jakarta Selatan 12530 - Indonesia
Telp. (62) 21 789 0908 Fax. (62) 21 780 1330, 780 3343

JAKARTA | CILEGON | SEMARANG | SURABAYA | SAMARINDA | MAKASSAR

+62 817 9977 772 | ptairindosakti | www.airindosakti.co.id

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