



PLC Series Vertical Shaft Impact Crusher

Advantages and characteristics

- High efficiency ; function of fine crushing and rough grinding;
- Simple structure, convenient installation and maintenance; low operation cost;



PLC Vertical Shaft Impact Crusher is a fine crusher, which adopts the methods of impacting, grinding and cutting. It is suitable for crushing and reshaping soft, medium hard and high hard ores and widely used for various ores, cement, fireproofing material, silicon carbide, bauxite chamotte, glass raw material and infrastructure construction stone, etc. The Crusher has excellent performance when used to crush silicon carbide, sintered bauxite, magnesite and other high hard and corrosion material.

Working principle

The stone material first vertically dropped into the high-speed rotating impeller where under centrifugal force the stone impacts other stone material distributed around the impeller in form of umbrella. Then a strong whirlpool forms between the impeller and the shell. After times of impact, friction and crushing the material discharges from the discharge port to screening equipment to get required output size.

Features:

1.Function of fine crushing and rough grinding with high efficiency; 2. Simple structure, convenient installation and repairing; low cost of operation; 3.Good pass ability of uncrushed material; less effect by water content below 8%; 4. Good grain shape, cubic particle with less content of elongated and flaky particle; good for aggregate shaping, manual sand making and aggregate production for road building; 5. Big bulk density; low iron pollution.



PLC Series Vertical Shaft Impact Crusher Parameter List

Model & specification	Diameter Of Crushing Cavity mm	Power kw		Max feed Size mm	Rotating Speed r/min	Capacity t/h		Remark
		Single Drive	Double Drive			Single Drive	Double Drive	
PLC2100K-ST	85'(2195)	250	200X2	3½'(89mm)	800-1400	100-300	100-400	ROR
PLC2100B-ST	85'(2195)	250	160X2	1½'(38mm)	800-1800	110-245	120-295	ROS
PLC2100B-SS	85'(2195)	220	160X2	2'(51mm)	800-1800	140-260	150-270	SOS
PLC2400K-ST	95'(2413)	315	250X2	5'(127mm)	800-1300	100-296	100-490	ROR
PLC2400B-ST	95'(2413)	315	250X2	2½'(64mm)	800-1800	105-350	175-590	ROS
PLC2400B-SS	95'(2413)	315	250X2	2½'(64mm)	800-1800	150-350	215-450	SOS

Note : The above technical parameters is only for reference.The actual value shall depend on practical material type and production conditions.