

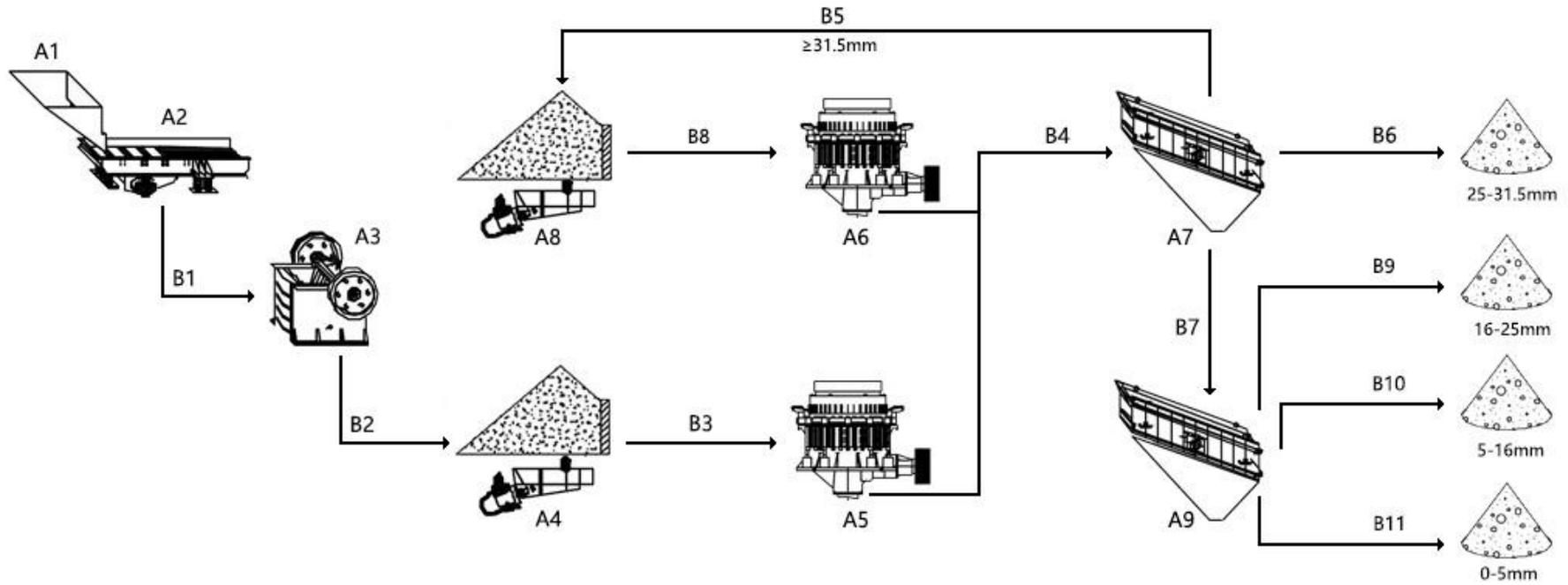
500 tph crusher plant

Fast, Intelligent and Operational, Create a new mine management model for the whole life cycle

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500 tph crusher plant

500 t/h stone production line



Main Equipment

NO.	Equipment	Model	Set
1	Silo	-	2
2	Vibrating Feeder	DLZGC1550	1
3	Jaw crusher	DLEV125	1
4	Vibrating Feeder	DLZGC1238	2
5	Cone crusher	DLDS440	2
6	Cone crusher	DLDH440	2
7	Vibrating screen	DL2YKZ3070	2
8	Vibrating Feeder	DLZGC0938	2
9	Vibrating screen	DL2YKQ2470	2

Belt conveyor

NO.	Equipment	Model	Set
1	Belt conveyor	B1000	1
2	Belt conveyor	B1000	1

3	Belt conveyor	B800	2
4	Belt conveyor	B1000	1
5	Belt conveyor	B800	1
6	Belt conveyor	B650	1
7	Belt conveyor	B1000	1
8	Belt conveyor	B650	2
9	Belt conveyor	B650	1
10	Belt conveyor	B650	1
11	Belt conveyor	B650	1

Workflow

The materials in the silo are evenly fed into the A3 jaw crusher for extrusion and coarse crushing operation through the A2 vibrating feeder. The crushed materials are sent to the intermediate silo through the B2 belt conveyor, and evenly fed into the A5 single cylinder cone crusher for intermediate fine crushing through the A4 feeder below the silo. The discharged materials are sent to the A7 heavy-duty vibrating screen for screening through the B4 belt conveyor, which can obtain stones larger than 31.5mm, stones between 25-31.5mm, and stones smaller than 25mm. Stones larger than 31.5mm are sent to the intermediate silo through the B5 belt conveyor, and then sent to the A6 multi cylinder cone crusher for fine crushing operation through the A8 feeder equipment below the intermediate silo. The discharged materials are sent to the A7 vibrating screen for screening through the B4 belt conveyor; 25-31.5mm stone materials are fed into the corresponding material bin through B6 belt conveyor; Stones smaller than 25mm are transported by B7 belt conveyor to A9 light-duty vibrating screen for screening, which can screen out 16-25mm stones, 5-16mm stones, and 0-5mm stones. They are then transported by corresponding belt conveyors to the corresponding material piles.

Features of This Production Line Design

The combination scheme of jaw crusher and cone crusher is a classic and efficient choice for building this production line, especially suitable for crushing high hardness stones such as granite, basalt, pebbles, etc., which can ensure the efficient and stable operation of the entire production line. The crushed finished product has excellent particle size and high market value. The vulnerable parts of the equipment used are made of high wear-resistant materials, with long service life, low maintenance cost, and low comprehensive cost for long-term operation.

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