中誉鼎力®
ZHONGYUDINGLI

150 tph crusher plant

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

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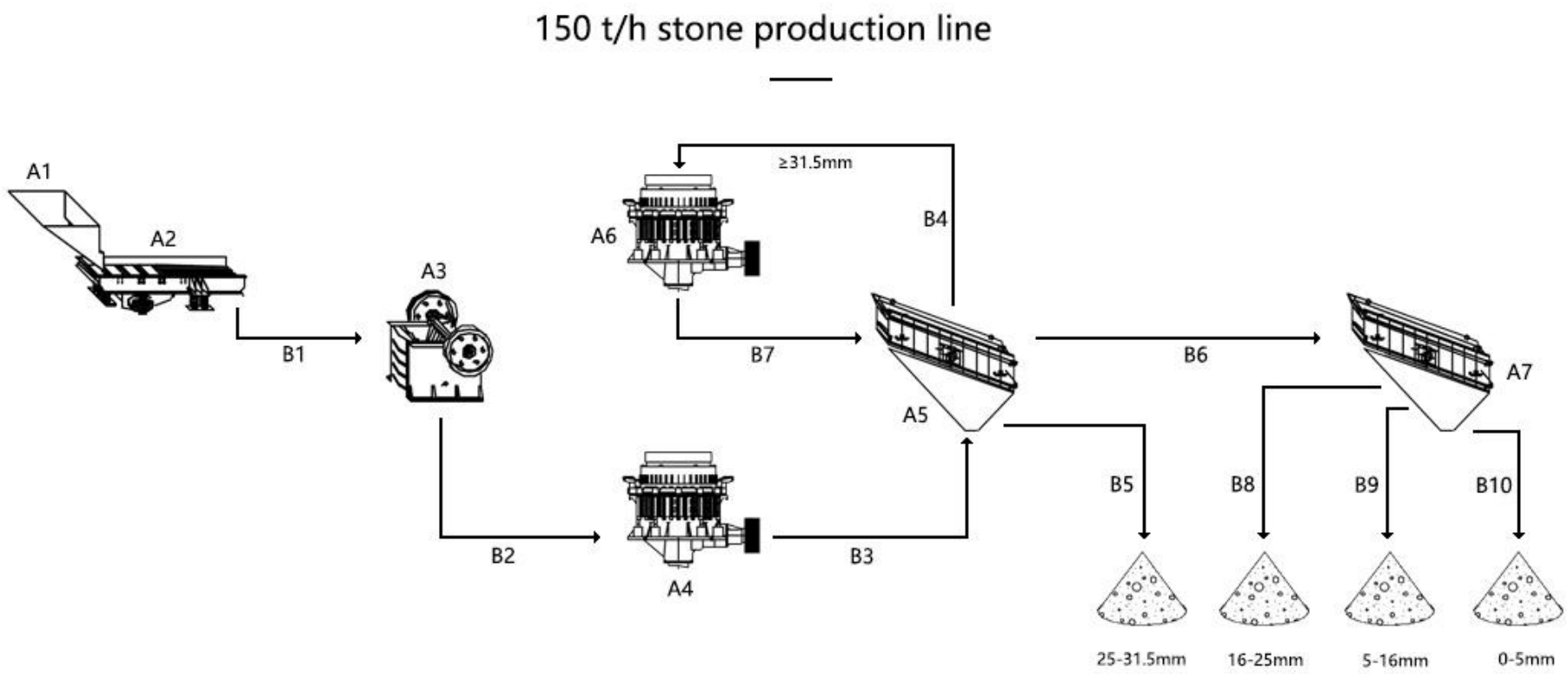
150 tph crusher plant



Main Equipment

NO.	Equipment	Model	Set
1	Silo	-	1
2	Vibrating Feeder	DLZGC0938	1
3	Jaw crusher	DLEV106	1
4	Cone crusher	DLDS420	1
5	Vibrating screen	DL2YKZ3070	1
6	Cone crusher	DLDH420	1
7	Vibrating screen	DL2YKQ2460	1

Belt conveyor

NO.	Equipment	Model	Set
1	Belt conveyor	B650	1
2	Belt conveyor	B650	1
3	Belt conveyor	B650	1
4	Belt conveyor	B500	1

5	Belt conveyor	B400	1
6	Belt conveyor	B500	1
7	Belt conveyor	B500	1
8	Belt conveyor	B400	1
9	Belt conveyor	B400	1
10	Belt conveyor	B400	1

Workflow

The raw materials of the 150 ton crushing production line are evenly fed into the A3 jaw crusher for coarse crushing processing through the A2 vibrating feeder. The crushed materials are then sent to the A4 cone crusher for intermediate crushing processing through the B2 belt conveyor. The discharged materials are then sent to the A5 two-layer vibrating screen for screening and grading through the B3 belt conveyor, resulting in stone materials larger than 31.5mm, stone materials between 25-31.5mm, and stone materials smaller than 25mm. Stones larger than 31.5mm are sent to the A6 cone crusher for fine crushing through the B4 belt conveyor, and the discharged materials are sent to the A5 circular vibrating screen through the B7 belt conveyor; 25-31.5mm stone materials are fed into the silo through the B5 belt conveyor; Stones smaller than 25mm are sent to the A7 circular vibrating screen for screening through the B6 belt conveyor. They can be screened into 0-5mm, 5-16mm, and 16-25mm stones, and then sent to the corresponding material bin through the corresponding belt conveyor.

Features of This Production Line Design

This production line adopts the coarse and medium crushing operation of jaw crusher and single cylinder cone crusher, which is an efficient solution widely used in industrial production. The finished product has uniform particle size, good wear resistance of the equipment, stable operation, and relatively low energy consumption. And this combination significantly reduces overall operating costs while ensuring high production capacity.

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