

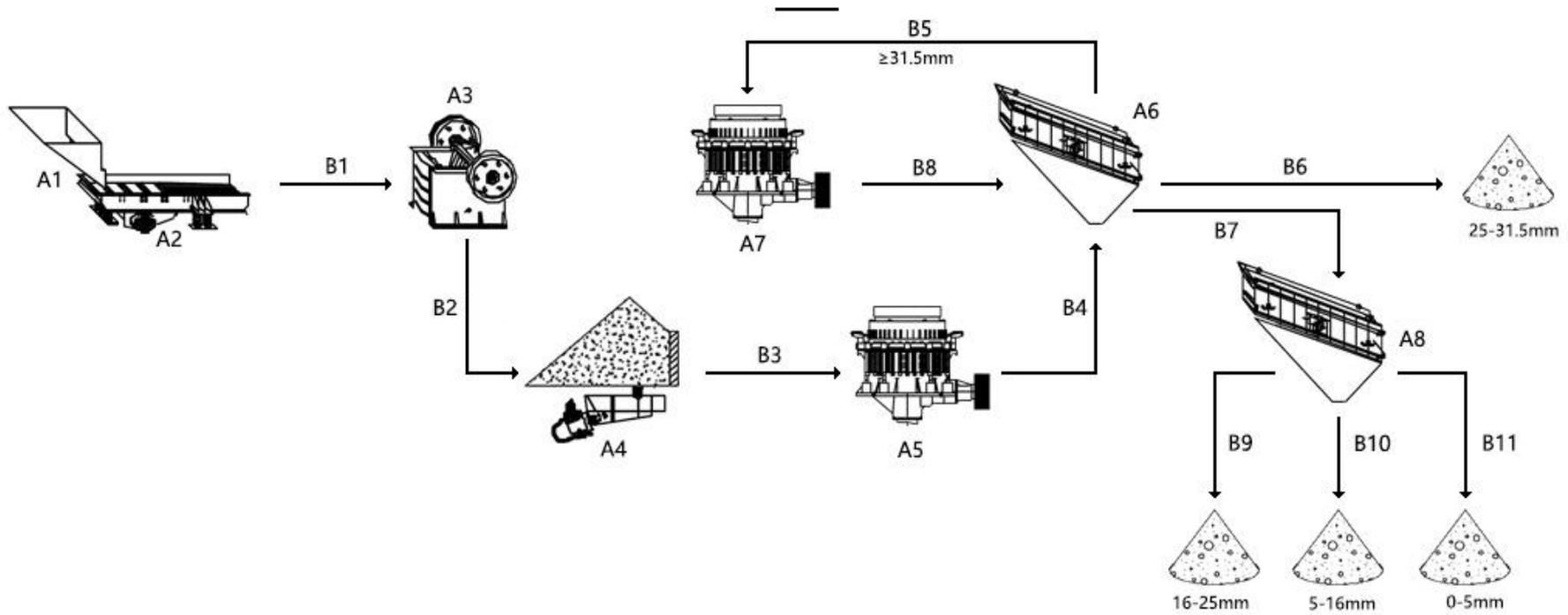
## 300 tph crusher plant

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# 300 tph crusher plant

300 t/h stone production line



## Main Equipment

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NO.	Equipment	Model	Set
1	Silo	-	2
2	Vibrating Feeder	DLZGC1238	1
3	Jaw crusher	DLEV106	1
4	Vibrating Feeder	DLZGC0938	2
5	Cone crusher	DLDS430	2
6	Vibrating screen	DL2YKZ3070	4
7	Cone crusher	DLDH430	2
8	Vibrating screen	DL2YKQ2460	2

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## Belt conveyor

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NO.	Equipment	Model	Set
1	Belt conveyor	B800	1
2	Belt conveyor	B800	1
3	Belt conveyor	B800	1

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4	Belt conveyor	B800	1
5	Belt conveyor	B800	1
6	Belt conveyor	B500	1
7	Belt conveyor	B800	1
8	Belt conveyor	B800	1
9	Belt conveyor	B500	1
10	Belt conveyor	B500	1
11	Belt conveyor	B500	1

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## **Workflow**

The materials are uniformly fed into the A3 jaw crusher for coarse crushing processing through the A2 vibrating feeder in the silo. The discharged materials enter the transfer silo and are fed into the A5 cone crusher for medium and fine crushing processing by the A4 feeder below the transfer silo. The discharged materials are sent to the A6 circular vibrating screen for screening through the B4 belt conveyor. Stones smaller than 25mm, 25-31.5mm, and larger than 31.5mm can be obtained. Stones larger than 31.5mm are sent to the A7 fine circular vibrating screen for crushing through the B5 belt conveyor, and the discharged materials are sent back to the A6 circular vibrating screen through the B8 belt conveyor; 25-31-35mm stone materials are fed into the corresponding material pile through the B6 belt conveyor; Stones smaller than 25mm are transported by B7 belt conveyor to A8 two-layer lightweight vibrating screen for screening and grading, resulting in 0-5mm stone, 5-16mm stone, and 16-25mm stone. These three specifications of stone will be transported by corresponding belt conveyor equipment to the corresponding material piles for storage.

## **Features of This Production Line Design**

This project uses a jaw crusher for coarse crushing and a cone crusher for medium and fine crushing. Its advantages include large crushing capacity, high production efficiency, uniform product particle size, low energy consumption, stable operation, suitable for continuous production, and the ability to efficiently process high hardness stone materials. Correspondingly, due to its complex equipment structure, the investment cost is relatively high; The core components of the cone breaking equipment are made of highly wear-resistant materials, which correspond to longer maintenance cycles and extend their service life. Compared to using a counterattack crusher, it reduces the production and maintenance costs.

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