

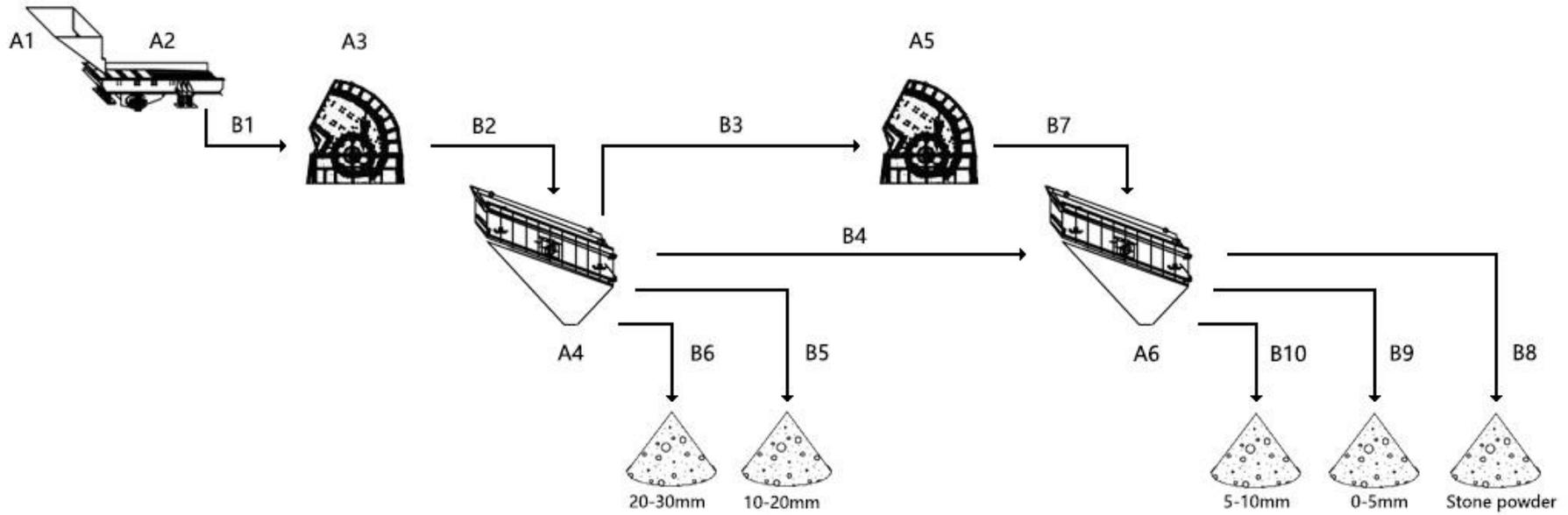
## 400 tph stone crusher plant

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# 400 tph stone crusher plant

400 t/h stone production line



## Main Equipment

NO.	Equipment	Model	Set
1	Silo	-	1
2	Vibrating Feeder	DLZGC1250P	1
3	Heavy Hammer crusher	DLPCZ1615	1
4	Vibrating screen	DL3YKZ3080S	1
5	Hammer crusher	DLPC1012	1
6	Vibrating screen	DL2YKZ3080S	1

## Belt conveyor

NO.	Equipment	Model	Set
1	Belt conveyor	B1000	1
2	Belt conveyor	B1000	1
3	Belt conveyor	B800	1
4	Belt conveyor	B500	1
5	Belt conveyor	B500	1

6	Belt conveyor	B500	1
7	Belt conveyor	B800	1
8	Belt conveyor	B650	1
9	Belt conveyor	B650	1
10	Belt conveyor	B650	1

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## **Workflow**

The materials in its silo are evenly fed into the A3 heavy hammer crusher for crushing processing through the A2 vibrating feeder. The crushed materials are then transported by the B2 belt conveyor to the A4 three-layer heavy-duty circular vibrating screen for screening and grading, resulting in stone materials of 30mm or more, 20-30mm, 10-20mm, and less than 10mm. Stones smaller than 10mm are fed into A6 circular vibrating screen for screening, while 10-20mm and 20-30mm stones are fed into corresponding material piles through corresponding belt conveyors. Materials larger than 30mm are fed into A5 hammer shaping machine for fine crushing and shaping through B3 belt conveyor; The discharged material is transported by B7 belt conveyor to A6 circular vibrating screen for screening, which can separate 5-10mm stone materials, 0-5mm stone materials, and stone powder; The discharged material is sent to the corresponding specification material pile for storage through the corresponding belt conveyor.

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

The production line adopts a hammer crusher for crushing processing, with a large crushing ratio, which can crush large stone blocks into smaller particle size finished products at once; The hammer head is cast using new technology and has characteristics such as wear resistance and impact resistance; The particle size of the discharge can be adjusted according to production needs. The equipment structure is simple, easy to operate, suitable for various working conditions, with low maintenance costs and low energy consumption, which helps to reduce production costs.

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**ZHONGYUDINGLI**

Henan Zhongyu Dingli Intelligent Equipment Co., Ltd.

Address: Industrial Cluster Zone, Weihui City, Henan Province

Website:<http://www.dinglicrusher.com>

E-mail: [dingli@dinglicrusher.com](mailto:dingli@dinglicrusher.com) / [sales@zydks.com](mailto:sales@zydks.com)