

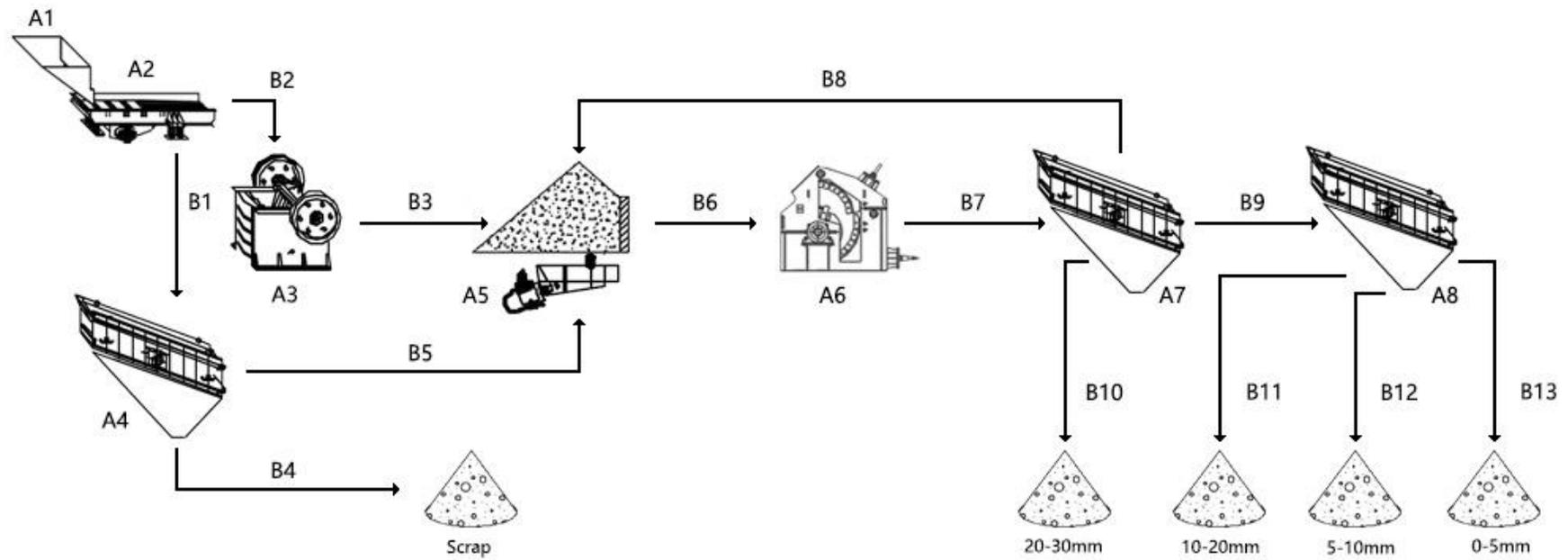
450 TPH stone crusher plant

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

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450 TPH stone crusher plant

450-550 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 screen	DL2YKQ2460	1
5	Vibrating Feeder	DLZGC1223	1
6	Impact crusher	DLHCS1523	1
7	Vibrating screen	DL2YKZ3680S	1
8	Vibrating screen	DL2YKZ3080S	1

Belt conveyor

NO.	Equipment	Model	Set
1	Belt conveyor	B400	1
2	Belt conveyor	B1000	1
3	Belt conveyor	B1000	1

4	Belt conveyor	B400	1
5	Belt conveyor	B400	1
6	Belt conveyor	B1000	1
7	Belt conveyor	B1000	1
8	Belt conveyor	B800	1
9	Belt conveyor	B1000	1
10	Belt conveyor	B800	1
11	Belt conveyor	B800	1
12	Belt conveyor	B800	1
13	Belt conveyor	B800	1

Workflow

The large blocks of material extracted from the mine in this project are uniformly fed into the A3 jaw crusher for coarse crushing processing through the A2 bar vibrating feeder at the bottom of the silo; The material sieved from the gap between the bars is sent to the A4 vibrating screen for screening through the B1 belt conveyor. It can screen out stones and waste materials that can be processed and crushed. The waste materials are sent to the waste pile through the B4 belt conveyor, and the crushable stones are sent to the transfer bin through the B5 belt conveyor; The coarse crushed stone material from the A3 jaw crusher can be sent to the transfer bin through the B3 belt conveyor. The material is then sent to the A6 impact crusher for medium to fine crushing and impact processing through the A5 feeder equipment below the transfer bin. The crushed stone material is sent to the A7 two-layer circular vibrating screen for screening through the B7 belt conveyor, which can screen out stones larger than 30mm, 20-30mm, and smaller than 20mm; Stones larger than 30mm are sent to the transfer bin through B8 belt conveyor, 20-30mm stones are sent to the corresponding material pile through B10 belt conveyor, and stones smaller than 20mm are sent to A8 circular vibrating screen for screening and grading through B9 belt conveyor. 0-5mm stones, 5-10mm stones, and 10-20mm stones can be screened out, and these three materials will be sent to the corresponding material pile through the corresponding belt conveyor.

Features of This Production Line Design

This production line uses jaw crushers for coarse crushing and impact crushers for medium to fine crushing and shaping. It has strong crushing capacity and a wide range of applications, and can efficiently process various common stone materials; Through impact processing, the finished particles can be made polyhedral, with high particle size and low needle like content; Strong particle size controllability, able to flexibly adjust the discharge particle size by adjusting the speed of the counterattack rotor and the screening system to meet the needs of different gradations; The equipment adopts high wear-resistant materials and modular design, with low failure rate and more convenient maintenance, greatly reducing investment and operating 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 / sales@zydlks.com