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ZHONGYUDINGLI

800 tph stone crusher plant

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

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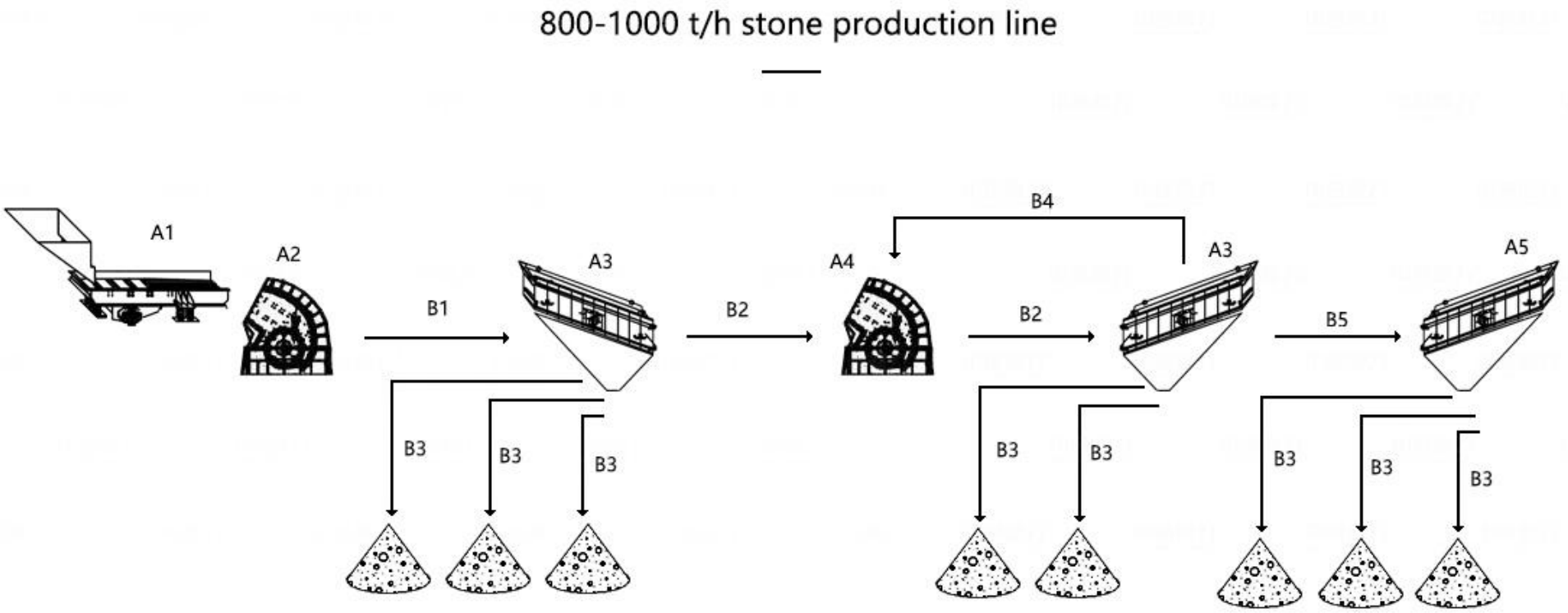

Main Equipment

NO.	Equipment	Model	Set
1	Vibrating Feeder	DLZGC2050	1
2	Hammer crusher	DLPCZ1620	1
3	Vibrating screen	DL3YK3080	4
4	Hammer crusher	DLPC1220	1
5	Vibrating screen	DL2YK3080	2

Belt conveyor

NO.	Equipment	Model	Set
1	Mixing Belt Conveyor	B1400	1
2	Mixing Belt Conveyor	B1200	2
3	Mixing Belt Conveyor	B1000	1
4	Return Belt Conveyor	B800	1
5	Finished Product Belt Conveyor	B800	8

Workflow

Raw Material Feeding： Raw materials are uniformly fed into the DLPCZ1620 Hammer Crusher (A2) by the DLZGC2020 Vibrating Feeder (A1).

Primary Crushing： The DLPCZ1620 Hammer Crusher (A2) performs primary crushing on raw materials. The crushed materials are conveyed to the DL3YK3080 Vibrating Screen (A3) via the Mixing Belt Conveyor (B1).

First-stage Screening： The DL3YK3080 Vibrating Screen (A3) classifies materials into different particle sizes. Qualified finished products are transported to the finished product stockpile via the Finished Product Belt Conveyor (B3).

Secondary Crushing： Oversized materials rejected from the first-stage screening are conveyed to the DLPC1220 Hammer Crusher (A4) for secondary crushing via the Mixing Belt Conveyor (B2).

Second-stage Screening： Materials after secondary crushing are returned to the Vibrating Screen (A3) for re-screening via the Mixing Belt Conveyor (B2).

- Qualified finished products are transported to the finished product stockpile via the Finished Product Belt Conveyor (B3).
- Oversized lumps are recycled back to the DLPC1220 Hammer Crusher (A4) for re-crushing via the Return Belt Conveyor (B4).

Fine Screening： Intermediate-sized materials from the second-stage screening are conveyed to the Vibrating Screen (A5) for fine screening via the Finished Product Belt Conveyor (B5).Final finished aggregates of various specifications are obtained and transported to the corresponding finished product stockpiles via the Finished Product Belt Conveyor (B3).

Features of This Production Line Design

High Production Capacity： Designed processing capacity: 800–1000 t/h, which meets the requirements of large-scale and continuous production and effectively improves overall project efficiency.

Mature Process： A closed-loop process of "crushing – screening – re-crushing – re-screening" is adopted to ensure full processing of materials at all stages, with excellent particle shape and reasonable gradation of finished products.

Compact Layout： Reasonable equipment configuration and smooth connection between belt conveyors (B1–B5) reduce material handling links, lower energy consumption and wear loss, and save floor space.

Easy Maintenance： Core equipment (hammer crushers, vibrating screens) adopts a modular design, allowing convenient replacement of wear parts and short maintenance cycles, thus effectively reducing downtime.

Diversified Finished Products： Through multi-stage screening (A3, A5), various specifications of sand and aggregate can be produced simultaneously to meet the diverse demands of different engineering projects.

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