

## Belt Conveyor

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**Belt conveyor** mainly meet the aggregate use in different environments, the connection of the crushing and screening equipment and crushing and grinding equipment to achieve the continuity and automation of production process, improve productivity, reduce labor intensity.



### Features of Belt Conveyor

The belt conveyor moves according to the abrasion and transmission principle, which can transport a great deal of materials, transport a long way, transport stably. And there is no relative movement between materials and the belt. It has advantages of low noise, simple structure, it's easy to maintain and has low energy consumption and standardized parts.

### Application of Belt Conveyor

Belt conveyor are widely used in the transportation equipment sector, such as the chemical industry, coal, metallurgy, mining, foundry, building materials, power, light, food, transportation, production lines and construction of hydropower stations and ports and other production sites. According to transportation technology requirements, the transfer system can be one or multi-conveyor or combined with other transfer equipments to meet the different layout of the operating line needs.

**Belt conveyor** can be operated in the circumstance temperature from -20°C and to 40°C, the temperature of transferred material should be lower than 50°C. The conveyor length can be manufactured according to the needs of users.

### Working Principle of Belt Conveyor

The belt conveyor is composed of frame, transferring belt, belt roller, intensive device, transmission device and so on. The machine body is made of high-quality steel plate joint. Frame is formed by height difference of front and back supporting legs, the category is a tilt with certain angle. On the frame, there are belt roller, carrier roller and so on for driving and supporting conveyor belt. There are two methods, driven by speed reducer and electric drum.

### Technical Data of Belt Conveyor

Belt Width(mm)	Belt Length (m) / Power (kW)			Belt Speed (m/s)	Capacity (t/h)
500	≤12/3	12-20/4-5.5	20-30/5.5-7.5	1.3-1.6	45-100
650	≤12/4	12-20/5.5	20-30/7.5-11	1.3-1.6	70-120
800	≤10/4	10-15/5.5	15-30/7.5-15	1.3-1.6	120-180
1000	≤10/5.5	10-20/7.5-11	20-40/11-22	1.3-2.0	160-250
1200	≤10/7.5	10-20/11	20-40/15-30	1.3-2.0	200-400

Note: Any change of **Belt Conveyor** technical data shall not be advised additionally.

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