



5 Simple Conveyor Application Rules

To implement a successful material handling solution, you must first be able to describe these things in reasonable detail:

1. What you have
2. What do you want to accomplish
3. What's your budget

Also, additional factors must be realized before finalization of the project is complete. However, below are a few basic—but essential—facts that must be known and discussed when reviewing the improvement of your current operational processes. The essence of good design is this: have an idea. Know your load, your needs, your environment, deadlines and expectations.

1: Know your load

To properly apply the correct conveyor, the exact product and/or product mix must be discussed. A 'box' will lead to more problems than ever expect to create a solution.

- i. What are your product(s) sizes and weights?
- ii. If they are bagged, what is the product contained within the bag? Is it uniform?
- iii. Is the product evenly distributed within the transport container?
- iv. What is the color of the packaging of the carrying container? Some electronic scanning and applying devices today cannot read certain materials which can cause huge problems when start-up occurs!
- v. Is the product liquid, which can shift during transport?
- vi. Are you using totes? Do they need bar codes or RFID tags?



2: Get familiar with your expectations

Make sure when discussing your project and application that you let us know what YOU expect out of the new equipment. If your expectations and hopes are not discussed, they will more than likely will never be met.

- i. Do you want to speed up production to shipping by 50%?
- ii. Add floor space or increase storage capacity?
- iii. Reduce your labor costs?
- iv. Make your work place safer and more ergonomic?

- v. Reduce maintenance issues with existing equipment by replacing it?
- vi. Conveyor system that utilizes PLC computer analytics?
- vii. Energy and sustainable returns?

3: Define the environment

No matter how great the equipment or material supplied, if it doesn't hold up to its environment, problems will occur. It is vital to understand at the start whether or not the operation will require conveyors of specialized construction.

- i. Do you have a dusty or dirty environment?
- ii. Oil, water or liquid spray or spillage on the product conveyed or around any of the equipment? Even the slightest possibility of this must be discussed.
- iii. Heavy workforce interaction and fork truck traffic?
- iv. Will it be overhead thus creating a possible danger to those under it in worst-case scenarios?



4: Know your deadline

This is a fact that very often is discussed as the bid is finalized. However, it is easier to work backward from your completion date than it is to try to squeeze it in too late.

- i. Discuss the ultimate timeline for completion of the entire project regardless of different sectors involved.
- ii. If it is a new building, are weather / construction allowances made for delays?
- iii. Are all parties aware (robotics, controls, mezzanine, etc...) of this deadline?

5: Know your plan of action following the purchase

- i. Do you have a training program for employees on the new equipment?
- ii. Is maintenance training performed prior to the implementation of the conveyor system?
- iii. Do you have a preventative maintenance contract or plan?
- iv. Will you be tracking daily, weekly, monthly product throughput as compared to expectations?

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