

## Floveyor Layout

The Process's inlet for a dry bulk solid material typically begins at an elevated location. Therefore, the dry material must be elevated (transferred) into a suitably sized surge container that is located above that inlet. This layout results in a gravity flow of the material into the Process's inlet.

Yet, others say that there is no reason for an elevated surge container, as it is too costly, and it takes up space that is sometimes not available. This puts several key process factors into jeopardy:

1. The process becomes a victim of 'just in time' material refill resulting in a very high degree of instantaneous reliability for the material availability itself.
2. The floor level operator isn't always available to locate the source material packages in the correct position at the correct time to maintain sufficient material availability for the instantaneous product flow through the transfer equipment throughout the production day.
3. The transfer equipment incurs significant changes to keep up with the flexibility of the process and its changing parameters. A VFD on the transfer equipment's motor is not an answer.
4. The material loading directly into the process's inlet from the material transfer equipment is time consuming, and it takes up valuable process time.
5. The material transfer equipment strictly moves the bulk solid material from one point to another. It should not be considered a Feeder as it does not act like a Feeder. A Volumetric Feeder predictably regulates bulk solid material flows within a range of prescribed rates.

With a gravity flow layout having a surge container, the following reliable process factors result:

- A. The Floveyor operates for short periods of time to refill sufficient amounts of material into the surge container.
- B. The floor level operator has sufficient time to position the source material packages and keep the surge container refilled.
- C. It is easy to change the material flow from the surge container into the process's inlet to adapt to the flexibility of the overall process and its parameters; there is no change required for the Floveyor equipment.
- D. The material loading is quickly accomplished, and well within a timely manner to keep up with the process throughput rate. It allows for untimely arrivals of the material.

While the source of a dry solid bulk material may be various types of packages (pail, small box, drum, small bag, bulk bag, IBC, hopper, bulk truck hopper, silo, bulk railcar hopper), a gravity flow layout has a destination surge container located above the Process's inlet. And, in order to accomplish this task of elevating flake, granular, mixture, or powder materials, a Floveyor aeromechanical conveyor is proven within the global market. Some of its features include:

- Quick material transfer.
- Position at any incline angle.
- Dust contained machine.
- Quiet operation.
- Low horsepower.
- Simple and efficient operation.
- Non-segregation of materials.
- Hygienic / Virtually no leftover material.
- Reliable.
- Quick and easy installation.

***The Floveyor is the cost effective solution for the elevation of dry bulk materials***