



## How to increase productivity in your factory

- Raw Material -

As mentioned in the *previous newsletter*, to increase productivity we must focus on optimizing the six common input factors and achieve the highest possible output. This article will focus on the usage of raw materials.

### ***AZO customers are aiming for a “clean” production***

Every AZO customer is aiming for a “clean” production area, but the approach of



achieving this is sometimes different. Some manufacturers simply accept the fact, that handling raw materials is a “dirty” task. It is considered normal to have a team to regularly clean the production areas and throw away the collected and contaminated dust and spillages. AZO has a different approach. All company owners will agree, each raw

material which is landing in the trash is a waste of money and additionally unecological.

### ***AZO focuses on the cause***

When AZO is designing a system, there is always a focus on areas which can create dust, leakage or spillages. Typically, those areas are the:

- Product feeding areas - the conversion of the materials received by the suppliers into the production process.
- Transport of the product to the process machines
- Filling & Packaging areas for intermediate or finished goods.

### ***Product Feeding Area***



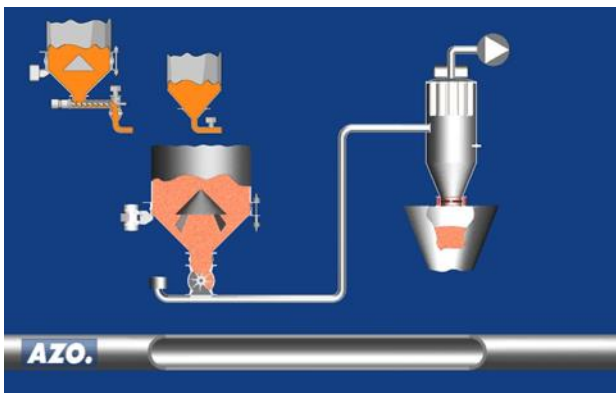
For the product feeding area AZO is designing feeding hoppers which are

ergonomic for the operator to use. This ensures the correct handling of bags. Additionally, the feeding hopper is equipped with a filter system to create a guided air flow. This avoids airborne dust escaping the hopper.

Individual filters are preferred where possible, to avoid contamination of the product and keep the material in the process without waste.

### ***Transport of raw materials***

To avoid any waste during transport, one of AZO's main focus is pneumatic conveying for the automation of raw materials. Principally, vacuum conveying is a preferred solution. Besides many other benefits, vacuum transfer is a closed system and can transport a huge amount of product quickly around the factory without spillage.



### ***Filling and packaging***

For filling and packaging, AZO ensures a design with dust-tight connections and an aspiration system to ensure a dust free filling process of the materials. Dust tightness can be achieved with the right choice of connection like pneumatic inflatable sealing or a manual belt connection, depending on throughput, bag or container to be filled.

The aspiration again, can be dedicated to avoid waste or a central aspiration to at least avoid unnecessary cleaning activities.



AZO is helping customers to find the optimal way how to handle raw materials in the most efficient way always following the principle to eliminate and avoid dust where possible and therefore reduce the waste for optimized efficiency.



In the meanwhile, you can check your productivity status with our short online survey to determine your individual improvement potentials.

About AZO Ltd.

AZO Ltd. provides innovative bulk material and raw material handling solutions for the reliable automation of ingredient handling in the food, pharmaceutical, chemical and plastic industry in Southeast Asia, Australia and New Zealand.

For more information about AZO's solutions for the plastic industry, check out our website or sign up to AZO's newsletter. We are looking forward to planning your next ingredient handling automation steps together with you!

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