CHOOSING THE <u>RIGHT</u> PACKAGING SYSTEM FOR YOUR PRODUCT
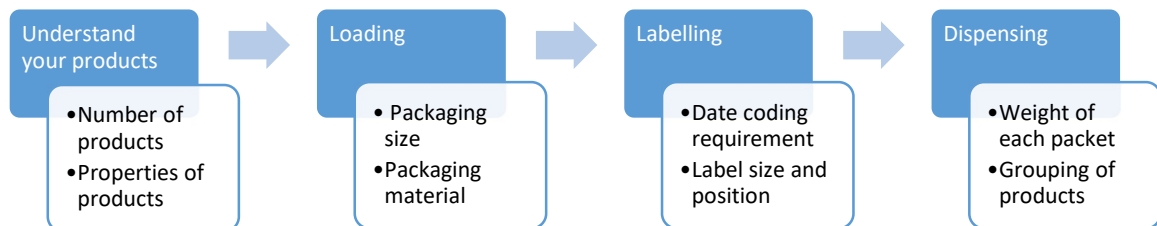
In Singapore, many manufacturing businesses have started to adopt automation in their operations. While some have it easier due to the nature of their product, others struggle to see the benefits of implementing automation when they are faced with complex issues.

One example is a dried goods wholesaler that offers a wide range of products that comes in various packaging sizes, from 200g dried preserved plum packet, 1kg almond packet, 500g dried barley, 500g roasted sesame seeds and more. The key automation challenge faced is whether to have a one-for-all packaging system, or a packaging system for each product.

And if the one-for-all packaging system can accommodate **a range of packaging sizes** of different thickness and a **dried goods of different textures**, some of which are sticky, oily and powdery in nature.

Assorted Dried Goods Packaging System (PackLine18)

Understand your products	Loading	Labelling	Dispensing
• Number of products • Properties of products	• Packaging size • Packaging material	• Date coding requirement • Label size and position	• Weight of each packet • Grouping of products

Benefits

SilverSteel Engineering designed and commissioned a customised packaging system (PackLine18) in 2018 for such an application.

- **Adjustable dial knobs** were selected for simplicity of use, rather than programmable adjustment. This has enabled the client to accommodate more than 10 different packaging sizes across their product ranges.
- **Blow-back system** integrated in suction cups allows dust-controlled vacuum suction to prolong operational lifespan and reduce maintenance work when packing of powdery products.
- **Modular head-weigher** units allow packing of wider weight range of products.
- **Auto-fill lifter system** remove the need for operator to perform repetitive high-risk work of filling from height and risk of developing work-related injuries. This also frees up the operator to perform other tasks.

Results

After implementation of PackLine18, what used to be a job for 5 – 6 operators over 2 hours have been reduced to a job that can be completed by one operator in 2 hours. The machine can run a different capacity, with basic version starting from 6-10 packets per minute.

If you have a similar requirement or would like to request for more information on this packaging system, do feel free to contact us for a free consultation.

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