

# Counting & Packaging Systems



# Features

Choice of construction materials

Single line speed of up to 100 bags per minute

Flow-wrapping bag size 30mm-250mm wide

High-accuracy with reject options available

Pre-orientation using standard Podmores machines


Multiple units can communicate with each other

Simple product change options for operators

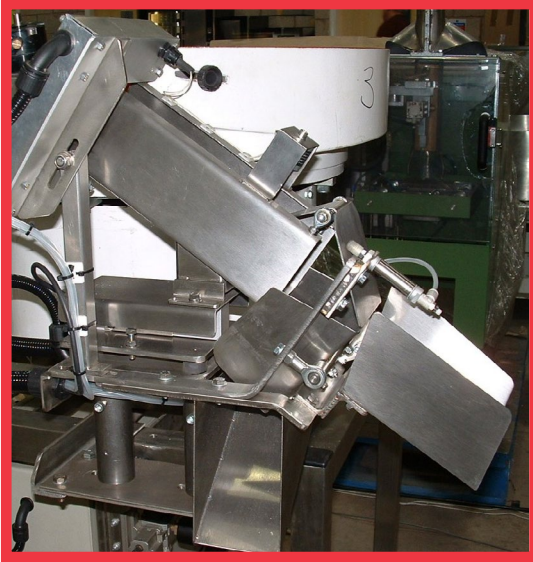
Small footprint for optimum space utilisation

Easy to clean

Simple maintenance



Here, six counting bowls are set to one side of the bucket elevator. They count out batches of wrapped sweets before depositing them into the buckets for transfer to an automatic bagging machine.



## Weight & Count Attachment

The Podmores Weigh & Count attachment allows each single bowl feeder station to be used as either a counting station, or as a batch weighing station, or indeed to check - weigh a pre - counted batch.

This feature is especially popular where a product has a high individual value, and it is essential that no over count can occur.



## Multi-Input Systems

Combine multiple Podmores bowl feeders or hopper loaders into the same system to increase throughput.

Left: two hopper feeders feed into one bucket elevator which feeds into a flow-wrapping machine.

Right: six bowl counting units and one manual station are counting batches, and feeding a bucket elevator. This type of solution makes it easy to quickly increase throughput.



# Counting



A single station counting bowl feeder being fed via a Podmores flighted belt elevator, which in turn is loaded from a bulk store hopper and feeder. This arrangement extends the batch capacity of the system, allowing operators more capacity time between loading

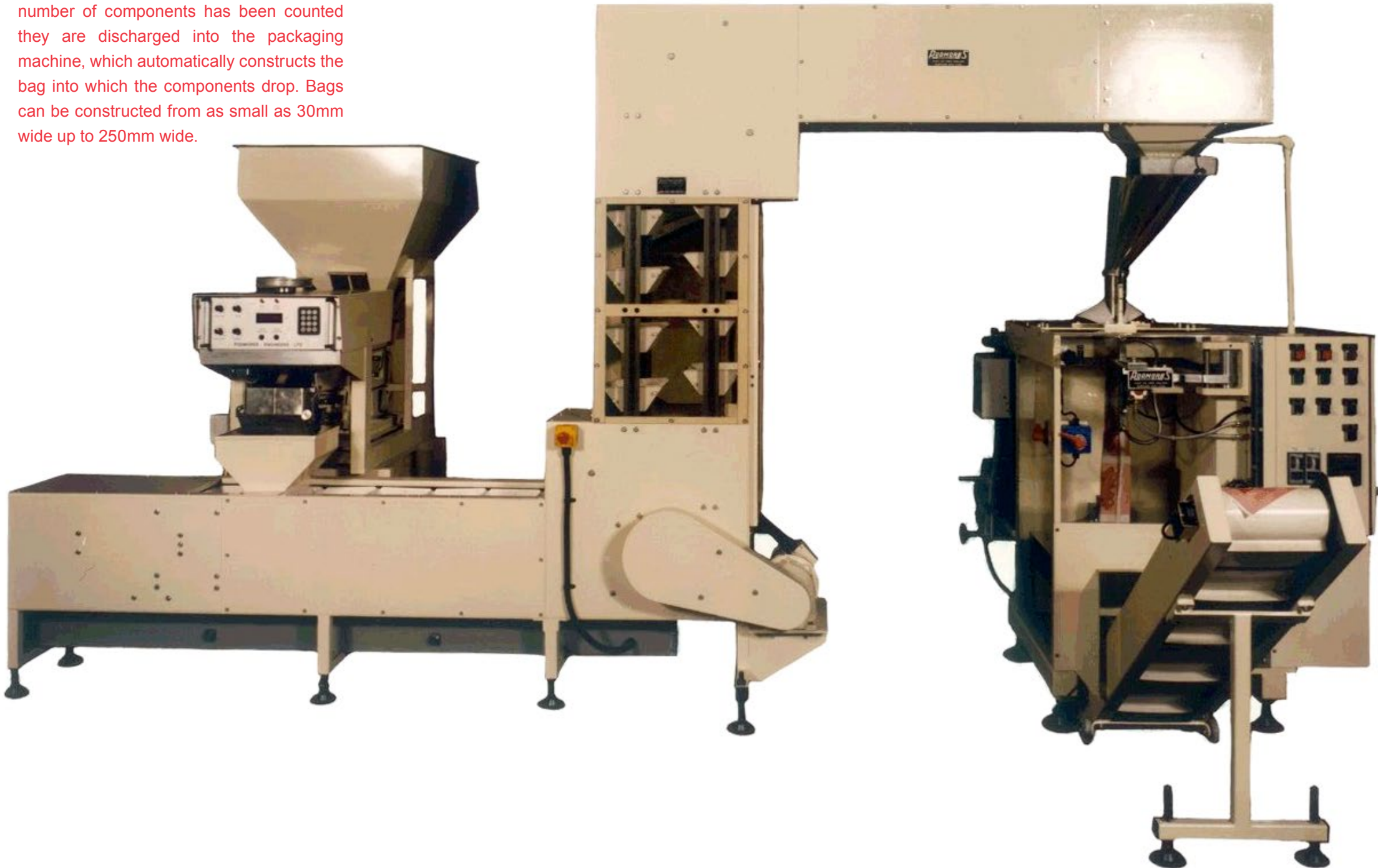


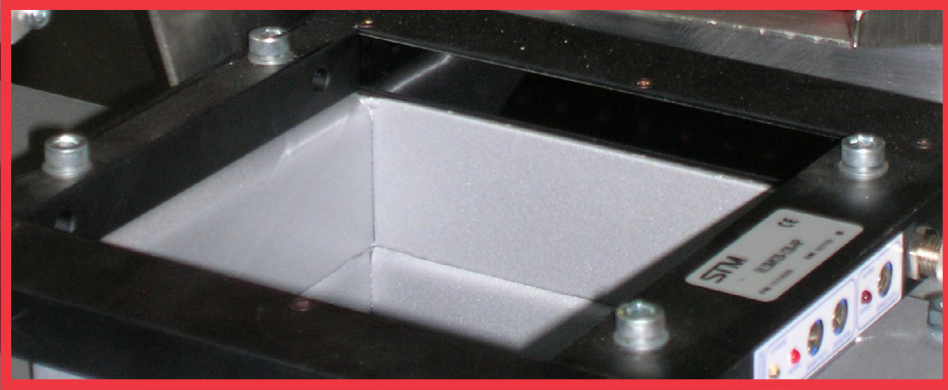
Here a single station inverted flight bowl is used to feed an accelerating conveyor. The system is designed to count small individual sachets .



Close up photo of a Podmores counting bowl stationed over a bucket elevator. This is part of a 7 counter unit (main photo on previous page) feeding a variety of mixed wrapped chocolate sweets.

This single counter is integrated with a heat seal form and fill machine. After the required number of components has been counted they are discharged into the packaging machine, which automatically constructs the bag into which the components drop. Bags can be constructed from as small as 30mm wide up to 250mm wide.





## High Accuracy Sensors

Podmores use high accuracy sensors to ensure you get just the right amount of product when you need it. Speak to us about how we can help you to automate and improve your counting and bagging applications.



## Easy Installation

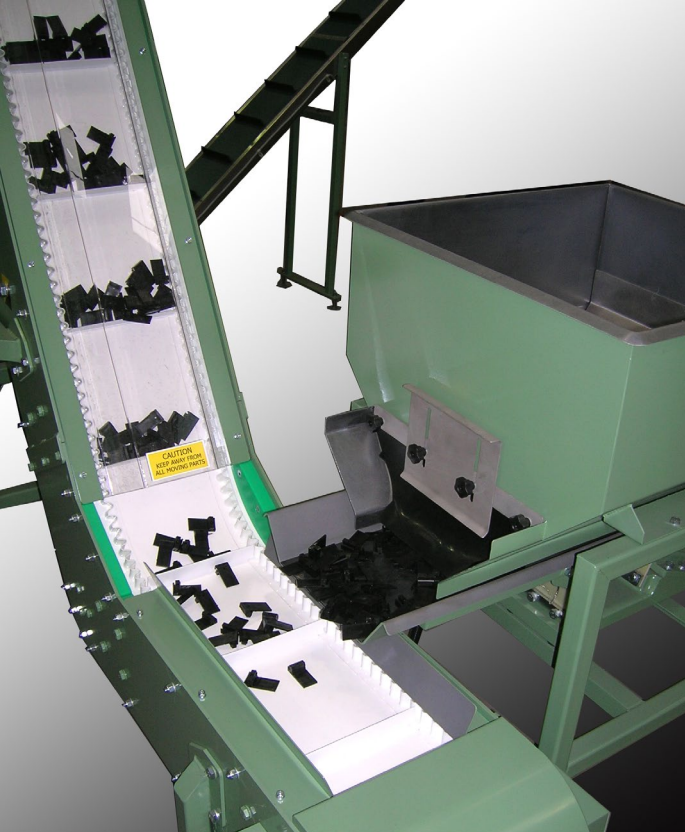
No major foundations are required, therefore your installation is easy and very inexpensive. Most Podmores equipment is simply plug-and-play.

## Reliability

Because Podmores has more than 80 years of experience in the industry and designs equipment to handle each specific application – our equipment has year on year reliability.

## Integration

Go straight from bulk loading to counting to flow wrapping to final packaging. Podmores can provide a wide range of high-speed baggers and conveyors to allow you to sort, count, weigh and pack your products into individual bags, or as you require.



Above: hopper feeder and flighted belt elevator.

Right: Flighted belt elevator feeding counting & bagging machine.

Far right: Bagging machine.



The Counting System has a hopper at ground level loaded by an operator, the hopper contents are fed automatically into a flighted belt elevator to raise the product to a high level bowl feeder fitted with a counting head, the bowl feeder is loaded automatically by the elevator and is controlled by a level sensor positioned over the bowl feeder.

## Accuracy

Accurate counts of the products are achieved by the bowl feeder before being discharged into an automatic vertical form fill and seal machine. The form fill and seal machine automatically makes fills and seals the plastic bags with the sealed bag being taken away and loaded into a pallet box by conveyor.

## Benefits

The benefits of this equipment are many and include minimum product give away, maximum use of resources through automation and efficient use of available floor area. In built flexibility of the system also means excellent equipment utilization with a quick return on the investment.



# Bagging



“The installation of this equipment maximizes labour resources and helps us to control costs ensuring our competitiveness is maintained, the importance of reliable, cost effective equipment is paramount – past experience with Podmores equipment and support made the decision to buy from Podmores easy” - Philip Allport, Director, Exitex Ltd

## Flexibility

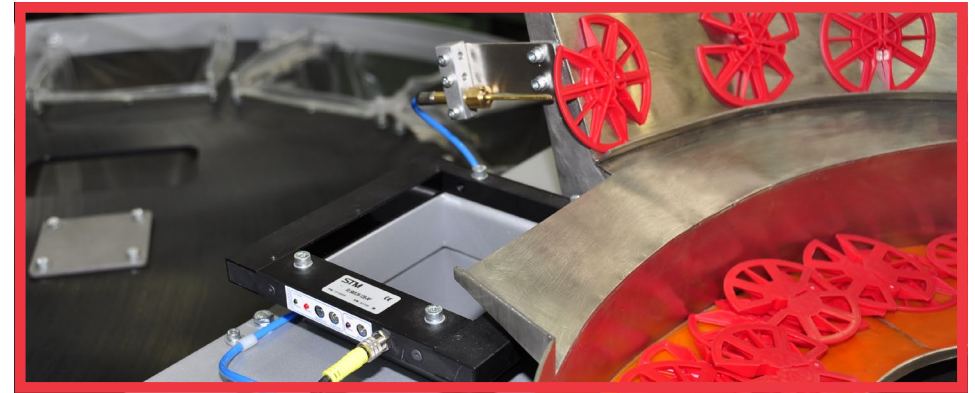
Single or Multi – Station units available. PLC Control allows for integration into existing packaging lines, or future expansions to your lines.

## Gentle Handling

Provides the absolute minimum vibration transfer, ensuring the gentlest handling of your valuable products.

## Economic

The simplicity yet effectiveness of operation means that only minimal supervision is required to run a major packaging line.



## Clear Information

Our counting and bagging systems come with controls suitable for your application. Whether you need a basic indicator of how many parts have been counted so far or if you need complete visual feedback from multiple stations with graphical controls for product changes, Podmores can provide the right controls for the job.





A single counter bowl feeder with counting and bagging system. This system was for a customer who required automatic bag filling with visual feedback. The bagging station indexes one turn when the bag is filled and an operator manually removed each full bag and inserted a new empty bag for filling.



