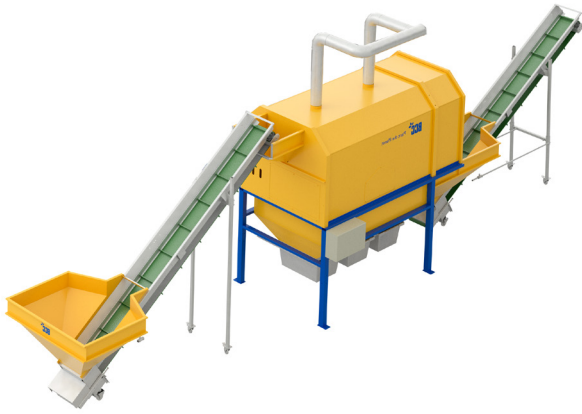




**BCC SEED EXTRACTION LINE**

## **Products & Solutions** for seed centres

After the collection of cones in the forest or plantation, further processing is required. The BCC Cone Tumbler is a versatile unit, which is used for seed extraction. The BCC Seed Extraction Line is well suited to larger seed processing plants or gene banks that maintain high production capacities



## BCC SEED EXTRACTION LINE

The BCC Cone Tumbler is a versatile unit, which is used for seed extraction. Its design allows for both continuous processing and batch wise processing of cones.

The BCC Seed Extraction Line is well suited to larger seed processing plants or gene banks that maintain high production capacities.

## THE PROCESS

### Efficient feeding:

Cones are manually poured from bags or containers into the hopper of the Feeding Conveyor.

For continuous processing: the performance is improved when using a Feeding Conveyor, since the flow into the Cone Tumbler becomes continuous and the load more even. The ribbed belt conveyor transports and dumps the cones into the opening of the Cone Tumbler's drum.

For batch processing: the in-feed and out-feed hoppers are similar in size and equal one batch of cones. This allows for efficient handling of cone batches.

### Variable speed and inclination:

The drum is equipped with a variable speed drive unit. The angle of the drum is also adjustable by means of pneumatic cylinders. These two parameters are fully adjustable to allow for precise calibration of the processing time.



### **Versatility:**

The tumbler is supplied with one metal drum insert – different mesh sizes are available for specific species and to meet particular needs. Seed extraction sometimes require different drum inserts with different mesh sizes.

### **Continuous or batch processing:**

When batches are processed continuously, the drum speed and inclination are adjusted to achieve the most optimal processing speed for best cleaning and extraction results.

In some cases longer processing times are required. In this case batch wise processing is performed. To allow for this the Cone Tumbler is equipped with a pneumatically operated door at the outlet and an automatic system for emptying the drum. The door is kept shut and the drum operated horizontally as long as the cones are processed. When the cone batch is cleaned or when all seed is extracted the door is opened and the drum lowered to empty it.



### **OPERATIONAL BENEFITS & KEY FEATURES**

- Flow-through design makes it possible to process both continuous or batch wise.
- Large cleaning extraction capacity.
- Various mesh sizes available.
- Drums are interchangeable with the assistance of a forklift. Note: high roof clearance is required inside the building.
- Variable speed drive unit and adjustable inclination allows for a good balance between processing rates and process quality.
- Control buttons logic and easy to operate.
- Equipment is properly sealed off and includes a dust pick-up connection to reduce dust to a minimum.



## TECHNICAL DATA

### Infeed Conveyor

Dimensions (L x W x H):	4500mm x 750mm x 2000mm (variable height)
Weight:	170kg
Power supply:	3 x 400V, 1.0 Amp, 50Hz
Power requirement:	0,37kW
Hopper capacity:	1000 litres

### Tumbler

Dimensions (L x W x H):	3600mm x 1600mm x 2700mm
Weight:	730kg
Power supply:	3 x 400V, 1.6 Amp, 50Hz
Power requirement:	0,55kW
Compressed air consumption:	200-300 liters/minute at 6Bar
Dust filter connection:	3000m <sup>3</sup> /hour

### Outfeed Conveyor

Dimensions (L x W x H):	4500mm x 750mm x 2000mm (variable height)
Weight:	170kg
Power supply:	3 x 400V, 1.0 Amp, 50Hz
Power requirement:	0,37kW
Hopper capacity:	750 litres

\* Note that the equipment can be customized to meet individual requirements

Disclaimer - As BCC AB equipment is continuously developed and refined, the design and capacity can differ from the figures listed here.

