

## BCC Tray Destacker



## Products & Solutions for forest nurseries

Fixed trays (e.g. HIKO and SideSlit trays) are handled in stacks by nesting them together to save storage space and for more efficient handling.



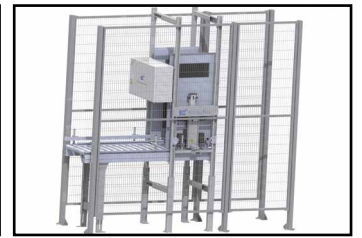
Robust design



Reliable operation



Quick and easy to load



Destacks different fixed trays

## THE BCC TRAY DESTACKER

New trays are normally delivered to the nursery, stacked on palettes. After infield planting trays are stacked together before returning them to the nursery. This makes tray handling and transport more efficient. The BCC Tray Destacker automatically separates stacked trays into single tray units to be fed into the Plant Production Line.

## THE PROCESS

### In feed:

Tray stacks are either manually loaded into the Tray Destacker, or fed automatically by a stack feeder belt. Tray type, stack height, length of feeder belt and production capacity of the production line determine how often tray stacks need to be placed on the belt.

Once a new stack of trays has been fed into the Tray Destacker, pneumatic cylinders, clamping and separation plates control the separating process. While the stack is lifted and transported out on the conveyor a photocell is used to determine when a) a new stack should be fed into the unit, b) when the bottom tray should be released and c) when a complete stack is empty.

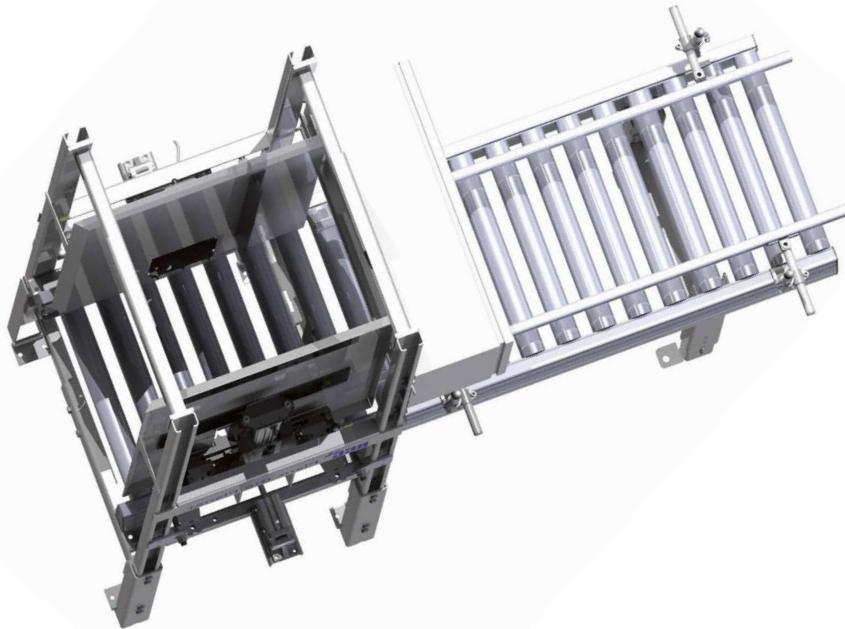
### Out Feed:

The separated tray is either pushed (when dropped on an out feed plate) or fed by conveyor belt into the next step of the production line, e.g. tray washer or tray filler.



## OPERATIONAL BENEFITS & KEY FEATURES

- Fast separation.
- Destacks different fixed tray types.
- Robust design.
- Reliable operation.
- Quick and easy to load.
- Control unit with a combination of electrical and pneumatic functions.
- Easy to change between different tray types.
- Can be integrated into existing line and conveyor.
- Up to 20 tray stacks can be fed using a stack feeder belt, reducing labor requirement.



### ACCESSORIES AND EXTRA FEATURES

- Can be integrated into existing line or customized with a roller conveyor.
- A stack feeder belt can be integrated with the Tray Destacker.
- Can be used as a Tray Stacker, to make stack of trays. For instance, from a washing line.
- The Tray Destacker can be customized for most fixed tray types.

## TECHNICAL DATA

### Destacker without Security cage and conveyor

Dimensions (L x W x H):	760mm x 860mm x 2220mm
Weight:	95kg
Power supply:	3 x 400V, 50Hz
Compressed air consumption:	100 liters/minute at 6Bar
Maximum production capacity:	22 trays/minute

\* HIKO: 350mm x 216mm, fixed tray

SideSlit: 385mm x 385mm, fixed tray

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

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

