



The BCC Dibbler

Products & Solutions for forest nurseries

Forest tree seedlings require an evenly distributed and geometrically balanced root system throughout the growing substrate for eventual proper anchoring of the tree after establishment infield. To achieve this, it is necessary to place the seed in the centre of the tray cell during the sowing process. The BCC Dibbler creates a cavity in the growing substrate which ensures the seed remains in the centre of the cell after sowing.



exchangeable dibbler plates



accurate dibbling



dibbler plate is fitted with nylon fingers.



adjustable for cavity depth

THE PROCESS

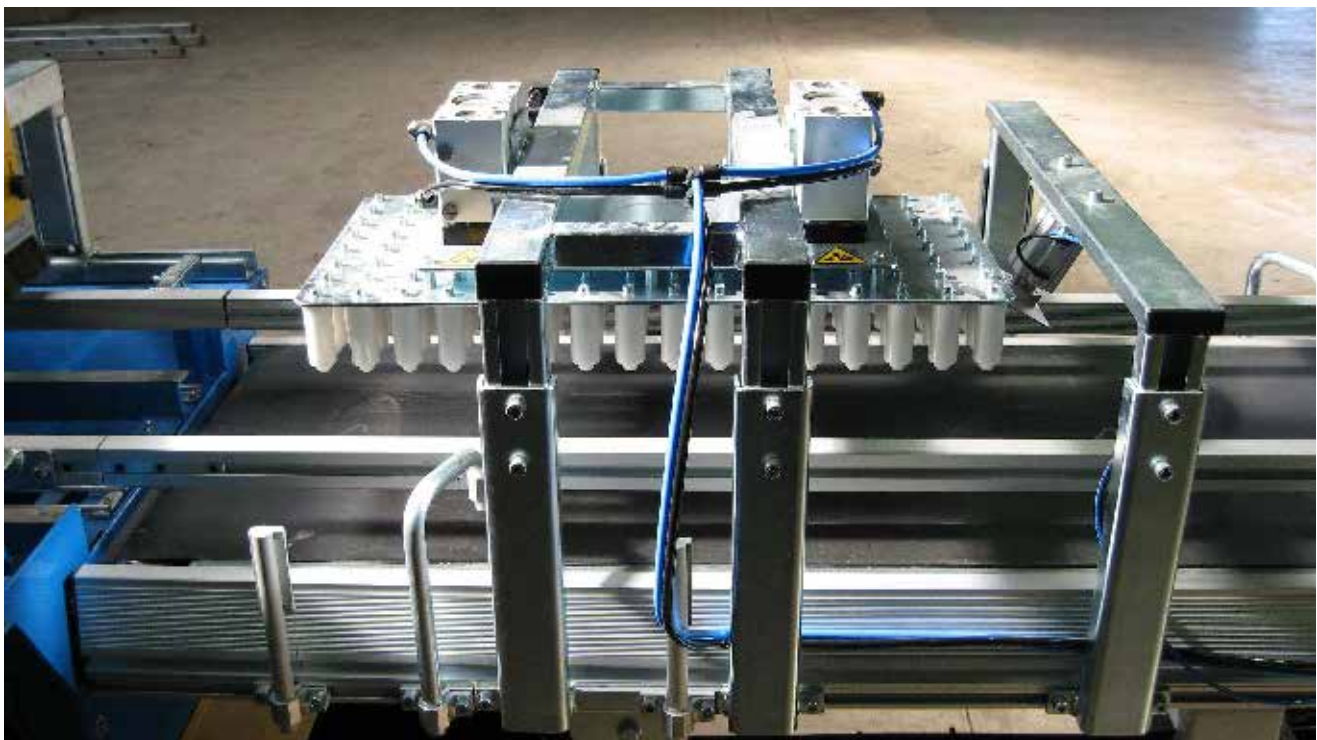
Process – for fixed trays

The Dibbler plate is fitted with nylon fingers. The type of tray used, determines the dibbler plate configuration and finger size and shape. The dibbler plate is easily exchangeable when switching between tray types. The dibbler plate moves down to a pre-set depth which is adjustable by a magnetic sensor. The fingers create a cavity in the growing substrate in the center of each tray cell. The dibbler plate returns to its upper position, retrieving the fingers from the tray cells.

Process – for single cells:

The Dibbler plate is fitted with nylon fingers. The type of tray used, determines the dibbler plate configuration and finger size and shape. The dibbler plate is easily exchangeable when switching between tray types.

The dibbler plate moves down to a preset depth which is adjustable by a magnetic sensor. Simultaneously a support plate is raised below the tray to support the single cells during the dibbling process. The fingers create a cavity in the growing substrate in the centre of each single cell. The dibbler plate returns to its upper position, retrieving the fingers from the single cells. At the same time, the support plate is lowered to its original position.



OPERATIONAL BENEFITS & KEY FEATURES

- Exchange packages allow for a variety of tray types to be used.
- Fast and accurate dibbling.
- Adjustable for cavity depth.
- Allows for centre placement of seed for development of geometrically balanced root systems.



dibbler plate is easily exchangeable when switching between tray types

ACCESSORIES AND EXTRA FEATURES

- Exchangeable dibbler plates.
- Dibbling fingers can be configured where multiple cavities per cell are required.
- Stripping plates can be added where growing substrate tends to stick to the dibbling fingers.
- For transplanting of small seedlings into larger tray cells, the Dibbler is fitted with transplanting fingers for making large enough cavities into the growing substrate. This Dibbler is normally fitted before a transplanting manual work station.
- The Dibbler can be modified to function as a compacting unit for nurseries with special filling requirements.
- For vegetative propagation, the Dibbler can be fitted with pins to create guiding holes for setting cuttings.



TECHNICAL DATA

Dimensions (L x W x H):	600mm x 700mm x 1200mm
Weight:	30kg
Power supply:	Controlled from filling- or seeding unit
Compressed air consumption:	50 litres/minute at 600kPa (6Bar)

Maximum production capacity:

HIKO (350mm x 216mm, fixed tray): 20-22 trays/minute

Plantek & BCC SideSlit
(385mm x 385mm, fixed tray): 18 trays/minute

96 Insert Frame
(517mm x 350mm, single cell tray): 10 trays/minute

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.*

