



The BCC Tray Covering Unit

Products & Solutions for forest nurseries

To create a cool and moist micro-climate conducive to seed germination, seed is covered with a layer of material after the sowing process. This layer also protects the seed during the germination phase. Mulching material is sometimes used to physically hold the seed in place and prohibit excessive growth of algae and moss.



substrate hopper is mounted over the feeding belt



adjustable gate to determine thickness



hopper is fitted with adjustable sides



application of a uniform layer for even germination

TRAY COVERING UNIT

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The BCC Tray Covering Unit is used to cover trays with a thin and uniform layer of material after sowing. The unit is fully integrated into the BCC Filling and Sowing line.

THE PROCESS

A sensor detects an incoming tray which signals an adjustable timer. This timer controls the start and stop times of the feeding belt of the Tray Covering Unit. This results in precise covering of the tray and minimises spillage. A material hopper is mounted over the feeding belt. An adjustable gate on the hopper determines the thickness of material covering the tray. The hopper is fitted with adjustable sides which controls the width of the material layer applied, depending on tray type used. Feeding will stop automatically as per timer delay setting.





cover trays with a thin and uniform layer of material after sowing

OPERATIONAL BENEFITS & KEY FEATURES

- Application of a uniform layer for even germination.
- Adjustable gate to determine thickness of layer applied.
- Adjustable sides to control width of layer applied for different tray types.
- Flow activated through a sensor to minimise spillage.
- Can also be used for other applications including application of mycorrhiza in the substrate.



ACCESSORIES AND EXTRA FEATURES

- Media feeding belt to transfer material to hopper

TECHNICAL DATA

Dimensions (L x W x H):	950mm x 850mm x 1750mm (depending on height of conveyor belt)
Weight:	85kg
Power requirement:	0,18kW
Power supply:	3 x 400V, 50Hz,
Maximum production capacity (approx.):	
HIKO (350mm x 216mm, fixed tray):	20 trays/minute
Plantek & SideSlit (385mm x 385mm, fixed tray):	18 trays/minute
96 Insert Frame (517mm x 350mm, single cell tray):	10 trays/minute

* 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.

