

Products & Solutions

for forest nurseries



Plant the Planet



The BCC Oak seeder



high precision seeded Acorns



good visibility while sowing



40 L hopper



motor driven brush

The BCC Oak Seeder

The BCC Oak Seeder allows for a continuous and automated process of sowing Acorns in an efficient and controlled way. Sowing of Acorns has traditionally been done manually, but as labor cost constantly increase, the automated process of sowing becomes an attractive solution for the professional plant producer.

THE PROCESS

Acorns are cleaned and separated into different batches by the means of size fractioning. The fractioning of the Acorns is done through processing the Acorns in a simple drum screen. This is done to achieve maximal precision and performance of the seeding unit. Seed sizes may vary depending on customer operations and also geographical region.

To customize the Oak seeder for different seed sizes is very easy and it is done by simply exchanging the distribution plate (unscrewing two screws) to desired hole dimension. The seeding unit will be delivered with the number of distribution plates needed for each customer.

Acorns are manually filled in the 40 L hopper. The seeding unit will feed acorns down to the distribution box by the means of a belt conveyor. A proper amount of acorns will automatically and continuously be dropped into the distribution box following the production pace.

The distribution box is equipped with brush clothing on the lower side. The upper distribution plate, which has a

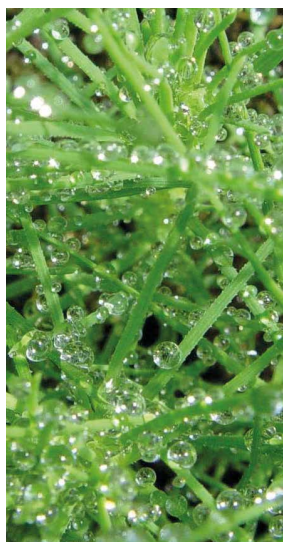


BCC oak seeder

customized pattern for the tray and seed size will be pushed underneath the distribution box wherein acorns fall into the holes in the plate. The plate has a back and forth movement. Right underneath the distribution plate is an opening system. The growing tray is transported on the conveyor belt to two stoppers. The dibbling unit makes a hole in the growing substrate in the center of the cell. Both the distribution plate and the opening system moves into position exactly above the growing tray. When the distribution plate reaches the correct position above the tray, the opening system will open and the acorn will fall into the tray by the means of gravity. When the stoppers release a new growing tray will be pushed into the seeding position.



belt conveyor for feeding Acorns to the distribution box



OPERATIONAL BENEFITS & KEY FEATURES

- Accurate seeding placing a single seed in the center of each tray cell.
- Fast and reliable operation through gravity seeding.
- Handles a wide range of seed sizes and seed shapes.
- Compatible for different tray types.
- Low maintenance.

TECHNICAL DATA

| | |
|--|------------------------------------|
| Dimensions (L x W x H): | 2000mm x 600mm x 1700mm |
| Power supply: | 3 x 400V, 50Hz, 5Amp |
| Compressed air consumption: | 100 litres/minute at 600kPa (6Bar) |
| Production capacity (approx.) HIKO (350mm x 216mm, fixed tray): | 6-8 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.

