

Select-O-Mat Basic

"Extraordinary grading"

The Select-O-Mat Basic is a uniquely designed machine for grading young plants into 3 different grades. The Select-O-mat provides for exceptionally precise gradings and handles delicate plants with the utmost care. On top of that, due to the design, the operation of the machine is very easy and very reliable.

Working of the machine

Trays with young plants will be put between the slats of the source conveyor belt which transports the tray to the push-up unit. At the push up unit, a number of plants will be pushed up, not the complete row but 1/2, 1/3 or 1/4 of the plants of 1 row will be pushed up at once. In this way plants are placed completely separated from each other in front of the camera.

Why choose the Select-O-Mat Basic?

- ✓ Handling with care
- ✓ Easy to operate
- ✓ Low maintenance



In pushed-up position a picture of the plants will be made by the camera. If required, the push-up pins can rotate, so the plants rotate in front of the camera. In this manner multiple views of the plant can be made. After the pictures are analysed, the grippers will be placed above the plants on the push up pins and pick the plants from the pins and bring them to the correct destination conveyor. On the destination conveyor, the plants will be put in the tray for the correct class. Rock wool blocks can be replaced in the same size cell, loose filled plugs are placed back in a tray with less cells.



The Select-O-Mat is highly accurate.



Options

- 2nd camera for grading on plant width
- Destacker for destination tray
- Extra push-up unit for another tray size
- Extra holder at push up when not using star-tray

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Features

- Simple operation of the machine
- In house developed camera software
- Small number of moving parts
- Low maintenance cost
- Plants are standing still while making pictures of the plant
- High reliability
- Capacity 3,000-4,000 plants/hour*

* depending on plug size, plant size and tray size

Technical specifications

Dimensions L x W x H	4,500 x 3,000 x 2,000 mm
Total kVA	2,5 kVA
Total air consumption	250 ltr/min
Weight	1,500 kg
Plug size	Suitable for 405 plug tray up to 128 plug tray
Plant height	Depending on plug size, but max 8cm
Capacity guideline	3,000 – 4,000 plants/hour (depending on plug size, plant height and type of tray)

Other benefits for the Select-O-Mat Basic

- 1 operator for 3 or more units
- Simple to operate, minimal training required, easy to use Windows PC and TEX control panel. The PC based camera system allows for ease of use in regards to program adjustments, camera info, data collection and export.
- Proven, reliable through-put capacities even when running 24 hours a day
- The Select-o-mat has been designed for reliability and is simple to maintain. Many of the parts and mechanisms are similar to our transplanters and grading machines which are widely used worldwide. Therefore parts are always available and service is more familiar.
- Quick cleaning and sterilisation of the gripper fingers which come into contact with the plugs.
- Proven push-up system for accurate grading and gentle handling of the plants. Unique 4 finger gripper spreads apart for picking and planting only gripping the plug and not the plant.
- Easier to control a disease spread than with a cup system.
- Low noise level
- Smaller footprint even with multiple machines

Postal address

Visitors address

Contact

Sales